

Occurrence and use of highly fluorinated substances and alternatives

Report from a government assignment



The Swedish Chemicals Agency is supervisory authority under the Government. We work in Sweden, the EU and internationally to develop legislation and other incentives to promote good health and improved environment. We monitor compliance of applicable rules on chemical products, pesticides and substances in articles and carry out inspections. We review and authorise pesticides before they can be used. Our environmental quality objective is A Non-toxic Environment.

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Preface

The Swedish Chemicals Agency (KEMI) has been assigned by the Swedish Government to produce a national action plan for a toxic-free everyday environment: $Action\ plan\ for\ a\ toxic-free\ everyday\ environment\ 2011-2014-protect\ the\ children\ better$. The action plan has been extended to 2020. Efforts are going on in several areas, both in Sweden, within the EU and internationally and often in cooperation with other authorities.

Reducing chemical risks in the everyday environment is one step towards attaining the Swedish Parliament's environment quality objective A Non-Toxic Environment, which is the objective that the Swedish Chemicals Agency is responsible for. Within the framework of the action plan, we compile knowledge in the Swedish Chemicals Agency's report and PM series elaborated by experienced colleagues, researchers or consultants. In this way, we present new and essential knowledge in publications which can be downloaded from the website www.kemikalieinspektionen.se.

One area of focus in the action plan is highly fluorinated substances. The Swedish Chemicals Agency has been assigned to produce a national programme of measures for highly fluorinated substances. As part of this task the Swedish Chemicals Agency has carried out a survey of the occurrence and use of highly fluorinated substances and alternative substances and materials. The survey is presented in this report.

The aim of the survey is to give a clearer picture of where highly fluorinated substances are currently used and what alternative substances, materials and technologies are available.

The survey was carried out by the Department for the Development of Legislation and Other Instruments. The head of unit Agneta Falk-Filipsson was responsible for the project and the project group comprised Stellan Fischer and Jenny Ivarsson (project leader). Johan Forsberg and Maria Delvin have also contributed to the report.

Content

| Summ | nary | 6 |
|---------|--|----|
| Samm | nanfattning | 8 |
| 1 | Background | 10 |
| 2 | The assignment and its scope | 11 |
| 3 | Terminology, manufacture, function and abbreviations | 12 |
| 3.1 | Perfluorinated and polyfluorinated alkyl substances (PFAS) | 12 |
| 3.1.1 | Non-polymers | 13 |
| 3.1.2 | Polymers | 14 |
| 3.2 | Manufacture and technical quality | 15 |
| 3.2.1 | Electrochemical fluorination, ECF | |
| 3.2.2 | Telomerization | |
| 3.2.3 | Technical quality | |
| 3.3 | Properties and functions | |
| 3.4 | Abbreviations and explanations | 17 |
| 4 | Legislation and voluntary agreements | 18 |
| 4.1 | The Stockholm Convention | 18 |
| 4.2 | EU regulations | 19 |
| 4.3 | Voluntary agreements | 20 |
| 5 | Survey methodology | 20 |
| 5.1 | Highly fluorinated substances and alternatives on the market | 21 |
| 5.1.1 | The work process | 21 |
| 5.1.1.1 | Regulatory databases | 23 |
| 5.1.1.2 | Scientific literature | 24 |
| 5.1.1.3 | Company information | 24 |
| 5.2 | Uncertainty in gathered information | 25 |
| 5.2.1 | Substance identification | 25 |
| 5.2.2 | Assessment of end use | 26 |
| 5.2.3 | The limits of notification requirements | 26 |
| 5.2.4 | Confidential company information | 26 |
| 5.2.5 | Import of articles | 26 |
| 6 | Occurrence and use of highly fluorinated substances | 27 |
| 6.1 | General overview | 27 |
| 6.1.1 | Types of PFAS | 27 |
| 6.1.2 | Description of PFA usage. | 30 |
| 6.1.3 | Number of PFAS on the global market | 31 |
| 6.1.4 | Volumes in the EU | |
| 6.2 | Identification of areas of application | 33 |
| 6.2.1 | Textiles and leather | |
| 6.2.2 | Paper- and food-packaging | 34 |
| 6.2.3 | Fire-fighting foam | 35 |

| | dix 1: Abbreviations and explanationsdix 2: Highly fluorinated substances found on the world marke | |
|--------------------|--|----|
| 10 | Bibliography | 70 |
| 9 | Discussion and Conclusions | 66 |
| 8.1.3.6 | Photographic & Electronic equipment and components | 65 |
| 8.1.3.5 | Hydraulic systems in the aviation industry | 64 |
| 8.1.3.4 | Surface coating of metal (hard- and decorative-chrome plating) | 64 |
| 8.1.3.3 | Fire-fighting foam | |
| 8.1.3.2 | Paper- and food-packaging | |
| 8.1.3.1 | Textiles and leather | |
| 8.1.3 | Alternatives for specific areas of application | |
| 8.1.2 | Non-chemical technologies | |
| 8 8.1.1 | Alternative substances, materials and technologies Fluorine-free substances | |
| 7.5 | The European chemicals data base IUCLID | |
| 7.4.3 | In expired chemical products (0-100 kg marketed each year in Sweden) | |
| 7.4.2 | PFAS in active chemical products | |
| 7.4.1 | Changes over time | |
| 7.4 | The Swedish Products Register | |
| 7.3 | Patent information | |
| 7.2 | Conformational changes in PFAS chains | 53 |
| 7.1 | Market history | |
| 7 | Market trends | 52 |
| 6.2.10.4 | Plant protection agents | 51 |
| | Oil- and mining-production | |
| 6.2.10.2 | Building materials | 50 |
| 6.2.10.1 | Medical devices | 50 |
| 6.2.10 | Other uses | 50 |
| 6.2.9 | Synthesis chemicals (intermediaries) | |
| 6.2.8.4 | Market information Photographic & Electronic equipment and components | |
| 6.2.8.3 | Photoresistors and anti-reflective coatings for semiconductors | |
| 6.2.8.2 | Photographic surface layers | |
| 6.2.8.1 | Electronic equipment and components | |
| 6.2.8 | Photographic & Electronic equipment and components | |
| 6.2.7 | Hydraulic systems in the aviation industry | |
| 6.2.6 | Metal (hard- and decorative-chrome plating) | |
| 6.2.5.4 | Ski Wax | |
| 6.2.5.3 6.2.5.4 | Cleaning agents and polish Non-stick products | |
| 6.2.5.2 | Paint, printing ink and lacquer | |
| 6.2.5.1 | Impregnating agents for textiles | |
| 6.2.5 | Household products | |
| 6.2.4 | Cosmetic products | |

Summary

Highly fluorinated substances (per- and polyfluorinated alkyl substances, PFAS) are used in many different articles and chemical products due to their attractive properties. They are repellent to water, grease, and dirt, temperature resistant and film-forming. However, other less desirable properties are their extreme persistence in the environment, and that several of them accumulate in living organisms and can be toxic.

The knowledge of the presence and use of highly fluorinated substances is limited and this report is a survey of how these substances are used. The report will be used in future work to prevent additional health and environmental problems with PFAS.

The survey was conducted at the Swedish Chemicals Agency in (the spring) 2015. It is based on information from databases available to the agency (e.g. the Swedish products register and EU databases). Searches were also made in scientific publications and reports as well as lists of industrial chemicals from various countries (mainly from North America and Asia). In addition, information has been obtained from the industry and searches have been made in patent databases. Although all known uses of PFAS are considered in the report, the focus is on those assessed to be most relevant for Sweden. Alternatives to PFAS, alternative materials and methods are also included in the survey.

The highly fluorinated substances have been compiled and grouped and, when possible, related to different uses.

The results of this survey demonstrate that there are probably more than 3,000 commercial highly fluorinated substances in circulation on the global market. The largest group is polymers. Many of the substances have technical qualities with more or less unspecified formulations. We see that the industry has replaced longer carbon chain lengths with shorter ones, mainly six perfluorinated carbons. Information from various patents suggests a strong increase of proposed uses of existing substances in new technical areas. Further, it indicates that the development of new highly fluorinated substances is more moderate.

The survey shows that these substances already today are widely used, from more well-known areas, such as fire-fighting foam, textiles and food packaging to less investigated areas, such as cosmetics, dental restorative materials and dirt-repellent coating for smartphones.

Identified alternatives to PFAS are fluorine-free substances, different materials and alternative techniques. Alternatives could be identified primarily for textiles and fire-fighting foam. Generally, it has been difficult to find alternatives that will match the desired properties of the highly fluorinated substances. This lack of alternatives demonstrates that there is a need for technical development.

Due to significant lack of available information this survey cannot give a complete picture. For example, information on quantities could only be obtained for a few substances. Furthermore, our sources could only give information on uses for about half of the identified substances. This is not surprising, since many of the highly fluorinated substances are entering the EU and Sweden through imports of articles, and for those there are virtually no control.

Another reason for the lack of information is that many highly fluorinated substances are very effective and therefore used in low concentrations to achieve the desired effect. Within REACH there are register requirements for the manufacturers or importers of substances from 100 tonne/year. At low volumes, which can be the case for most PFAS, information

requirements are very low. For quantities below 100 tonne/year (1 tonne/year from June 2018) manufacturers and importers are not required to submit any information at all. In Sweden manufacturers and importers are obliged to register chemical products in the Swedish products register. However, there are in many cases no requirements to notify substances that are added in concentrations below 5 percent, which often is the case for highly fluorinated substances in chemical products.

The results of the survey show that there is a need for increased reporting demands from the industry in Sweden as well as the rest of the EU. Furthermore, we see that there is a need to follow the development of both the known and the less known uses.

Sammanfattning

Högfluorerade ämnen (per-och polyfluorerade alkylsubstanser, PFAS) används i många olika varor och kemiska produkter på grund av sina eftertraktade tekniska egenskaper. De är fett-, smuts- och vattenavvisande, temperaturtåliga och filmbildande. Andra, mindre eftersträvans-värda egenskaper är dock att de är extremt svårnedbrytbara i miljön, samt att flera av dem ansamlas i levande varelser och kan vara giftiga.

Kunskapen om högfluorerade ämnens förekomst och användning är begränsad och denna rapport är en kartläggning av hur ämnena används. Rapporten ska användas i det kommande arbetet med att förhindra ytterligare hälso- och miljöproblem med PFAS.

Kartläggningen genomfördes på Kemikalieinspektionen under våren 2015. Den är baserad på information från databaser som myndigheten har tillgång till (t.ex. det svenska produktregistret och EUs databaser). Sökningar har även gjorts i vetenskapliga artiklar och rapporter samt listor över industrikemikalier från olika länder (främst från Nordamerika och Asien). Dessutom har information inhämtats från industrin och patentdatabaser. Alla kända användningar av PFAS har vägts in i rapporten. Fokus ligger dock på användningar som bedöms som mest relevanta för Sverige. Rapporten redovisar även alternativ till PFAS samt alternativa material och metoder.

De högfluorerade ämnena har sammanställts och grupperats och, i de fall det varit möjligt, kopplats till olika användningsområden.

Resultatet av kartläggningen visar att fler än 3000 kommersiella högfluorerade ämnen troligtvis finns i omlopp på världsmarknaden. Största gruppen utgörs av polymerer. Många av ämnena är tekniska kvaliteter med mer eller mindre ospecificerade sammansättningar. Vi ser att industrin gått över till ämnen baserade på kortare kolkedjor, främst sex perfluorerade kol. Information från olika patent antyder en stark ökning av föreslagna användningar av befintliga ämnen inom nya teknikområden. Vidare verkar utveckling av nya högfluorerade ämnen uppvisa en mera måttlig utvecklingstakt.

Kartläggningen visar att dessa ämnen redan idag har en bred användning, från mer kända såsom brandskum, textil och livsmedelsförpackningar till mindre undersökta som kosmetika, tandlagningsmaterial och smutsavvisande ytbehandling för smartphones.

Identifierade alternativ till högfluorerade ämnen består av fluorfria ämnen, andra materialval samt alternativa tekniker. Det är främst för textil och brandskum som alternativ har hittats. Generellt har det varit svårt att hitta alternativ som mäter sig med de högfluorerade ämnenas eftertraktade egenskaper. Denna brist på alternativ visar på ett behov av teknisk utveckling.

Betydande brist i tillgänglig information gör att denna kartläggning inte ger en heltäckande bild. Exempelvis har information om mängder enbart varit möjlig att få fram för ett fåtal ämnen. Vidare saknas information om användning i våra källor för hälften av de identifierade ämnena. Detta är inte förvånande, då många av de högfluorerade ämnena kommer in i EU och Sverige genom import av varor, och för dessa saknas i stort sett kontroll.

En annan anledning till avsaknad av information är att många högfluorerade ämnen är mycket potenta och därför endast behöver används i låga koncentrationer. Inom Reach finns krav att registrera ett ämne som tillverkas eller importeras i mängder om minst 100 ton per tillverkare/ importör och år i EU. Vid de låga volymer som det kan handla om för PFAS är krav på information mycket låga. För mängder under 100 ton/år (1 ton/år fr.o.m. juni 2018) behöver tillverkare och importörer inte registrera någon information alls. Även det svenska produkt-registret har liknande begränsningar i registreringsplikten. Här finns i många fall inget krav på

att anmäla tillsatsämnen som används i halter lägre än 5 procent, något som ofta är fallet för högfluorerade ämnen i kemiska produkter.

Resultaten från kartläggningen visar att det finns behov av ökade inrapporteringskrav från industrin i så väl Sverige som resten av EU. Vidare ser vi att det finns behov av att bevaka utvecklingen för såväl de mer kända som de mindre uppmärksammade användningarna.

1 Background

Highly fluorinated substances (perfluorinated and polyfluorinated alkyl substances, PFAS) are used in many different chemical products and articles because of their desirable properties and as a result they find their way into the environment. The substances have extremely poor environmental biodegradability (persistent, P) and many of them accumulate in living organisms (bioaccumulating, B) and are toxic (T). There is a lack of overall knowledge of highly fluorinated substances and to prevent further pre-existing health and environmental problems from building up and persisting for a long time, it is important to map out the occurrence and use of these substances.

We know that the use of highly fluorinated substances in fire-fighting foam is particularly problematic as it involves direct release into the environment. There are also other possible sources of the highly fluorinated substances that are found in humans and in the environment. Highly fluorinated substances can cause very long term problems in the environment by contaminating groundwater and subsequently drinking water. It is suspected that drinking water with high levels of these substances can increase the risk of adverse health effects, affecting for example the thyroid gland, the liver, fat metabolism and the immune system.

In the government directive M2015/375/Ke, *Action plan for a toxin-free everyday environment*, the Swedish Chemicals Agency has been instructed to develop a programme of measures for dealing with highly fluorinated substances. In implementing this task we have carried out a survey of how highly fluorinated substances are used and what alternative substances and materials are commercially available. The survey will be used as a basis for other projects within the programme of measures for highly fluorinated substances.

There is only limited knowledge of the occurrence of PFAS in Sweden and the EU. One reason is that many PFAS are very potent and are therefore used at low concentrations to achieve the desired effect. These low concentrations can be below the level at which REACH requires information to be registered and therefore do not permit hazard and risk assessments. For quantities below 100 tonne/year¹ manufacturers and importers are not required to register any information at all.

There are various phases in the life cycle of highly fluorinated substances (Figure 1) when release can occur, with exposure of humans and the environment. The first is the manufacture of the substance itself, after which there are various processing stages in which the substance may be used (such as process chemicals in the production and formulation of chemical products, for example, fire-fighting foam). This survey focuses on final stage uses, i.e., the final use of a chemical prior to its entering the waste management stage, as this is deemed to be the most relevant to Sweden. However, use as a starting material in chemical synthesis (polymer production) is described in section 6.2.9. The waste management stage is an important part of the life cycle. Bearing in mind that all highly fluorinated substances (directly or indirectly) are very persistent and in some cases also bioaccumulating and toxic, waste from various applications may be highly relevant with regard to exposure. Incineration at high temperatures (at least 1100°C) generally breaks down PFAS to carbon dioxide and hydrogen fluoride (Sandblom 2014, UNEP 2012). However, it is not known what is produced at lower temperatures.

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¹ This will be reduced to 1 tonne/year from the start of June 2018.

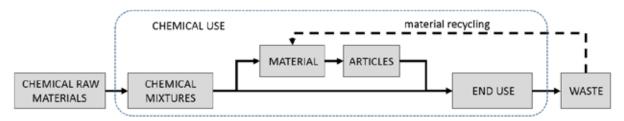


Figure 1: Life cycle of chemicals in the community.

2 The assignment and its scope

The survey looks at highly fluorinated substances, the definition of which, as used in this study, was derived from the conventionally accepted definition of perfluorinated and polyfluorinated alkyl substances, PFAS (OECD 2013). Added to these are those perfluorinated substances which, though lacking functional groups, are regarded as extremely persistent and have similar areas of application (cosmetics raw materials, emulsifiers, solvents, refrigerants).

The survey includes known highly fluorinated substances on the world market as well as known alternatives. This is based on information from the literature and from those databases to which the Swedish Chemicals Agency has access.

This survey includes both short- and long-chain PFAS. Using this definition there are a very large number of highly fluorinated substances on the world market. A large group of these (>1000) includes only short fragments of perfluorinated carbon, principally the CF₃-group (see Figure 2). Compounds with CF₃-groups are broken down to perfluoroacetic acid, which is much less persistent than other PFAS (Benskin 2015), and can also be formed naturally in the environment. The CF₃-group has been assessed to be of less relevance and has therefore not been included in this survey.

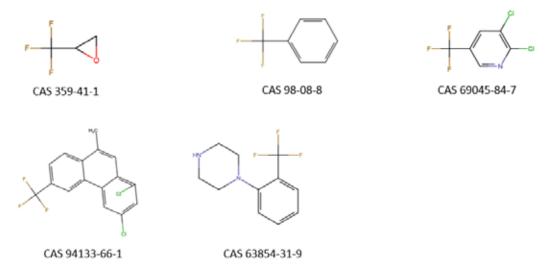


Figure 2: Examples of substances that only have "- CF_3 " and are therefore not included in the survey.

A group of PFAS with short perfluoro chains which by contrast have been included in the survey is perfluoro ethers, in which several short perfluoro chains are linked to each other via oxygen bridges (so-called ether bridges, see Figure 3). If there are several oxygen bridges in the same chain, the substance is termed a perfluoropolyether. These have been included in the

survey as it is suspected that they have similar properties, including persistence, to PFAS with longer carbon chains (Gomis et al. 2015).

Figure 3: Other types of perfluoro ethers that are described in the survey.

The survey focuses on chemical products and articles in Sweden in which PFAS can be found. As it can be assumed that there are similar uses in other EU countries and non-EU countries, information from other countries is to a certain extent included in the assignment. As PFAS can be incorporated into polymers used in the production of articles imported from other countries outside the EU, PFAS marketed in other parts of the world are included in this survey.

Uses considered in this report are primarily end uses but the use of PFAS as starting materials in polymer production is also described. However, the waste produced by this end use is not included in the survey.

To the extent that information was available on how much PFAS are used, quantities have been recorded (however, the information is only available for a few substances and applications).

There are several studies which have analysed PFAS in various chemical products and articles in different markets. A number of these are mentioned in this survey. However, only a few substances have been analysed (mainly those for which chemical reference substances are available).

The survey includes no exposure calculations or risk assessments. This also applies to the various alternatives mentioned in the report.

3 Terminology, manufacture, function and abbreviations

3.1 Perfluorinated and polyfluorinated alkyl substances (PFAS)

Highly fluorinated substances belong to an extensive group of substances which can be divided into several sub-groups, some of which were reported in OECD (2013). To begin with, polymers and non-polymers are normally separated and these can then be divided into the sub-groups listed below.

3.1.1 Non-polymers

- Fully or partially fluorinated carbon chains that are usually² bound to a functional group³ (n = number of perfluorinated carbons, CX=PFAS with X perfluorinated carbons)
 - o Perfluoroalkyl sulfonic acids (PFSA): e.g., PFHxS and PFOS
 - long chain $n \ge 6$, PFHxS (C6) and longer.
 - short chain n < 6, e.g., PFBS (C4).



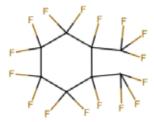
- o Perfluoroalkyl carboxylic acids (PFCA): e.g., PFOA
 - long chain $n \ge 7$, PFOA (C7) and longer.
 - short chain n < 7, e.g., PFBA (C3), PFHxA (C5).



o *Precursors to PFSA and PFCA*: such as fluorotelomers, e.g., 6:2 FTOH and 8:2 FTS. Fluorotelomers consist of a carbon chain that is not fully fluorinated and a functional group (6:2 indicates that 6 carbons are perfluorinated, 2 are non-fluorinated). These can be broken down to PFCA in the environment.



o *Branched and/or cyclic perfluorocarbon chains*: e.g., Decafluoro-5,6-bis(trifluoromethyl)cyclohexane.

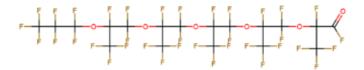


o *Perfluoro ethers:* ethers can have one or more oxygen bridges (Figure 3). Those with the most bridges are so long that they can be defined as polymers.

² Fluoro waxes consist solely of a perfluorinated carbon chain and are included in this survey.

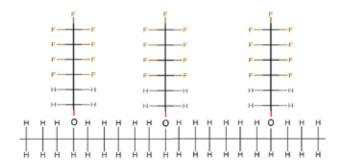
³ By functional group we mean a group of atoms which has a major effect on the molecule's properties. Examples of functional groups are an -OH bound to a hydrocarbon chain (this gives an alcohol) and the carboxyl group -COOH which gives a carboxylic acid.

The limit for applying the term polymer is uncertain but it could be greater than 20 (Posner 2015). In the literature, ethers with more than one oxygen bridge are termed perfluoropolyethers, PFPE (Buck et al. 2011). It is mainly the low molecular weight polyethers that have been recorded in this survey. Polyethers have two or more perfluorinated methyl-, ethyl- and/or propyl chains, linked together by oxygen bridges (see Figure 3), e.g., 3,6,9,12,15-Pentaoxaoctadecanoyl fluoride, 2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17, 18,18,18-eicosafluoro-2,5,8,11,14-pentakis(trifluoromethyl)- (CAS no. 13252-15-8).



3.1.2 Polymers

• Side-chain fluorinated polymers: Polymers with fluorinated side chains. Side-chain fluorinated polymers comprising polyfluorinated (and possibly perfluorinated) side chains. These can be broken down to PFCA.



• *Fluoropolymers:* Polymers with a fluorinated backbone (the backbone consists solely of carbon atoms to which fluorine is bound).



Examples of common fluoropolymers are:

- o Polytetrafluoroethylene (PTFE) which is used in Teflon[®].
- o Polyvinylidene fluoride (PVDF) which is used in electronics, for example, loud speakers.
- o Fluorinated ethylene propylene (FEP) which is mainly used in cables, for example, in computers.
- o Perfluoroalkoxyl polymer (PFA) which is used, for example, in cable insulation that requires unusual thermal, chemical, etc., properties.

Fluoropolymers are not produced from PFCA nor from their precursors. However, variants of different PFCA are used as process chemicals in manufacture and the finished product may contain residues of these substances.

3.2 Manufacture and technical quality

As stated earlier in section 3.1 the highly fluorinated substances group is complex and includes several different substance groups. To obtain a better understanding of this, this section describes the underlying chemistry on which these substances are based as well as the two main manufacturing processes.

The highly fluorinated substances are based on two structural components:

- 1) a hydrophobic (water repellent) tail which consists of a perfluorinated part and
- 2) a hydrophilic (water soluble) component.

In some cases there is also a "spacer" group which links these together (Figure 4). These three components together create a substance with many beneficial functions. The water-soluble component can be made up of a wide range of different groups (which means that the highly fluorinated group has a lot of development potential): a) anionic, such as carboxylates, sulfonates and phosphates, b) cationic, such as quaternary ammonium, c) non-ionic, such as acrylamide oligomers and polyethylene glycols, and d) amphoteric, such as betaines and sulfobetaines (Buck et al. 2012).

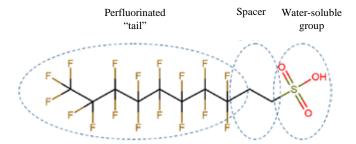


Figure 4: Schematic diagram of the formation of fluorosurfactants.

Highly fluorinated substances are mainly produced via two different processes: electrochemical fluorination, ECF and telomerization (Buck et al. 2011). The highly fluorinated substances formed can then undergo further reactions to produce polymers and various derivatives.

3.2.1 Electrochemical fluorination, ECF

Electrochemical fluorination, ECF is a method which major manufacturers in the west are increasingly moving away from (Buck et al. 2011). The method involves dissolving, in liquid hydrogen fluoride (HF), the organic chemical raw material (for example, octane sulfonyl fluoride, $C_8H_{17}SO_2F$) that is to be fluorinated and passing an electrical current through the solution (electrolysis). This causes all the hydrogen atoms (H) to be replaced by fluorine atoms (F). The process is very powerful and results in a mixture of linear and branched perfluorinated isomers with different carbon chain lengths. The relationship between the amounts of linear and branched perfluorinated carbon chains that are formed during ECF varies, depending on how well the process is controlled, but roughly 70-80 percent is linear and 20-30 percent branched. ECF with $C_8H_{17}SO_2F$ yields various perfluorinated substances which in turn can react further; for example perfluoroctane sulfonyl fluoride (POSF,

C₈F₁₇SO₂F) which is the starting material for manufacturing PFOS. The major fluorochemical manufacturers (DuPont, 3M and BASF) previously used ECF to produce perfluorinated alkane sulfonyl derivatives and products from these, principally those based on six and eight (though also ten) perfluorinated carbon atoms. PFOA has also historically been manufactured using this process. Nowadays ECF is not used to the same extent and is based on perfluorobutane, therefore C4 rather than C8 (Buck et al. 2011). It is not clear how extensively the ECF process is used nowadays; there is information on its use in at least three facilities in the EU (ECHA 2015).

3.2.2 Telomerization

Telomerization is now the most commonly used process for manufacturing highly fluorinated substances (Wang et al. 2014). The first step involves the reaction of a perfluoroalkyl iodide ($C_mF_{2m+1}I$, PFAI, most commonly PFEI), termed a telogen, with a tetrafluoroethylene iodide ($CF_2=CF_2$, TFE), termed a taxogen. The telogen and the taxogen react to form a mixture of perfluoroalkyl iodides with longer perfluorinated chains, $C_mF_{2m+1}(CF_2CF_2)_nI$ (termed Telomer A). The product mixture is often allowed to react further in a second step by adding ethylene to form C_mF_{2m+1} (CF_2CF_2) $_nCH_2CH_2I$ (termed Telomer B). Telomer A and Telomer B then serve as intermediates that are used to manufacture more building blocks which then react further to produce a large group of fluorotelomer based surfactants and polymers (Buck et al. 2011). When a linear telogen and taxogen react, the product is exclusively linear. If a telogen that is branched and/or has an odd number of carbons atoms is reacted with a taxogen, the product is branched, with or without an odd number of carbon atoms. However, it is uncertain how marketable such branched variants are.

3.2.3 Technical quality

The technical quality depends on the manufacturing process for the highly fluorinated substances. In the manufacture of C6 (substances with six perfluorinated carbons), C8 (substances with eight perfluorinated carbons) are produced as by-products. The intermediate C6 product contains around 20 percent C8 which to a large extent is removed before the end product is brought onto the market. According to industry residual content is less than 0.01% of C8 in the C6 end product (European Commission 2014). However, there are studies which show that C6 products have large contents of both C8 and longer carbon chains. In some cases the content of C8 can be more or less higher than that of C6 despite the fact that it is marketed as "C6" (SUPFES 2015). C4 (substances with four perfluorinated carbons) content has also been found in C6 products, though in smaller quantities. Similarly other lengths of carbon chains have been found in C8 products. A previous study from the Swedish Chemicals Agency (2006) shows that telomers are produced and marketed commercially as mixtures of different chain lengths of perfluorinated carbons.

3.3 Properties and functions

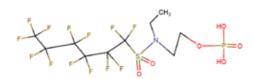
Highly fluorinated substances have been produced and used since the 1950s because of their special properties. The substances have high thermal stability, are fire resistant and have film-forming properties. They are repellent towards water, dirt and grease and are also electrically stable. They are used in many different applications, ranging from industrial use to consumer household use. As PFAS are very potent substances low concentrations will usually achieve the desired effect.

Moreover, the more or less fully fluorinated single carbon chains with a single functional group (similar to PFOS, PFOA) have PFAS chains incorporated as part of the larger molecule. One aim is to combine the properties of PFAS with other properties that will allow the substance to be used in new technical concepts. Examples of such structures are:

2-Propenoic acid, 2-[[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-eicosafluoroundecyl)sulfonyl] methylamino]ethyl ester

(CAS no. 66008-68-2)

Trisiloxane, 3-chloro-1,1,1,5,5,5-hexamethyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-(CAS no. 94237-06-6)



1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonooxy)ethyl]-(CAS no. 67969-65-7)



1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(phenylmethyl)-(CAS no. 50598-29-3)

3.4 Abbreviations and explanations

See Appendix 1

4 Legislation and voluntary agreements

Only a few highly fluorinated substances are currently governed by regulations, mainly PFOS (perfluorooctane sulfonate).

4.1 The Stockholm Convention

PFOS and around a hundred substances that can be broken down to PFOS were nominated by Sweden in 2005 for a global phasing out by listing them under the Stockholm Convention on Persistent Organic Pollutants, POPs. In a decision by the parties to the Convention⁴ in 2009 PFOS and PFOS-related substances were included in the Stockholm Convention's Annex B for global regulation of production, use and also waste management. However, in the regulations there are 20 permitted uses that are regularly reviewed. In 2015 a conference of the parties to the Convention carried out the first overhaul of these exemptions for PFOS use which are valid until 26 August 2015. This resulted in half the twelve time-restricted exemptions being cancelled for all parties. This means that for the following areas the global use of PFOS will cease no later than 2015: carpets, leather articles, textiles and fillers, paper and packaging material, and rubber and plastics.

Only two of the 179 parties have registered a need for the remaining time-restricted exemptions. These are: photomasks for semiconductors and liquid crystals for the manufacture of monitors, decorative chrome plating and hard chrome plating in closed-loop systems, electronic components for certain colour printers/photocopiers, insect bait for controlling red imported fire ants and termites, and chemical enhanced oil recovery.

With regard to the eight exemptions that are not time-restricted the conference of the parties decided only on continuing registration and follow up. Each party can decide for itself whether to cancel its registration of the use of PFOS in: photographic film, etchants for semiconductors and ceramic filters, hydraulic oils for the aviation industry, certain medical equipment, mist suppressants for hard chrome plating in closed-loop systems, fire-fighting foam and insect bait for controlling two species of ants. The overhaul carried out at the conference of the parties in 2015 showed that there are alternatives for fire-fighting foams, etc.

The regulation of PFOS under the Stockholm Convention has been implemented in the EU by the so-called POPs regulation⁵. In the EU some of the globally permitted (not time-restricted) uses have been withdrawn but some remain, including those for photographic film, hydraulic oils for the aviation industry, and mist suppressants for hard chrome plating in closed-loop systems. However, according to a study carried out in 2015 (European Commission 2015a) the only application for which there is still a need in the EU is in hard chrome plating.

The EU intends in 2015 to nominate the substance PFOA (perfluorooctanoic acid) for global phasing out by listing it under the Stockholm Convention (European Council 2015).

⁴ The Stockholm Convention involves parties from 179 countries.

⁵ Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

4.2 EU regulations

REACH⁶ is the most important regulatory framework for chemicals in the EU. At present the regulation does not impose any restriction on PFAS but a process is underway to restrict the use of PFOA through a supplement to Annex XVII of the REACH ordinance. If the proposed restriction is accepted a ban will be imposed on the manufacture and the release onto the EU market of PFOA and substances that can be broken down into PFOA, as well as the use of any of these in manufacturing processes or articles.

Many perfluorinated long-chain carboxylic acids are already regulated or about to be regulated under the REACH system in the EU. Sweden is actively involved in this work, for example, the Swedish Chemicals Agency has submitted proposals for harmonized classification of PFNA (perfluorononanoic acid) and PFDA (perfluorodecanoic acid), for which we, together with Germany, have submitted (for PFNA) and will submit (for PFDA) proposals for addition to the REACH candidate list. PFNA is therefore expected to appear on the candidate list at the end of 2015 and PFDA during 2016. We are also examining the possibility of placing PFHxS (perfluorohexane sulfonate) on the candidate list. PFHxS is a shorter version of PFOS.

The REACH candidate list currently includes PFOA, the ammonium salt of PFOA and four perfluorinated carboxylic acids with longer carbon chains (Table 1). If a substance appears on the candidate list this does not mean that its use is restricted. However it is subject to an information provision requirement in accordance with Article 33 of REACH. This stipulates that a manufacturer, importer or distributor of a product containing more than 0.1 weight percent of substances on the candidate list is required to provide information on these substances. Substances on the candidate list may in the long term become the subject of the REACH authorization process.

| <i>Table 1: PFAS on the candidate list spring 2015.</i> | Table | 1: | PFAS | on the | e candidate | list s | spring | 2015. |
|---|-------|----|-------------|--------|-------------|--------|--------|-------|
|---|-------|----|-------------|--------|-------------|--------|--------|-------|

| Substance | CAS no. |
|--|-------------|
| Perfluorooctanoic acid (PFOA) | 335-67-1 |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 |
| Heneicosafluoroundecanoic acid (PFUnDA) | 2058-94-8* |
| Heptacosafluorotetradecanoic acid (PFTeDA) | 376-06-7* |
| Pentacosafluorotridecanoic acid (PFTrDA) | 72629-94-8* |
| Tricosafluorododecanoic acid (PFDoDA) | 307-55-1* |

^{*} Perfluoro carboxylates for which there is a lack of information on areas of use.

In the current situation only PFOS and PFOA (and some of their related substances) have harmonized classification and they are classified as, amongst other things, reproductively toxic, carcinogenic and harmful to the thyroid.

PFOS comes under the Water Framework Directive⁷, which means it is a priority substance with environmental quality standards that are used to establish chemical status. If

⁶ Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The substance is not registered under ECHA.

⁷ Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for Community action in the field of water policy, Directive 2008/105/EC of the European Parliament and of the Council of 16 December 2008 on environmental quality standards in the field of water policy.

environmental quality standards are exceeded then good chemical status in surface water bodies is not achieved and measures must be taken. PFOS is also subject to EU regulations governing the export and import of hazardous chemicals⁸. The regulations do not impose any restrictions on the use of the substance but do contain certain requirements for information concerning export and import.

PFAS are also governed by an EU regulation concerning plastic material intended to come into contact with food⁹. The regulation includes a list of substances that can be used (the so-called Union list). The list also states the manner in which the substances may be used. PFOA is one example of the PFAS that are included.

In addition there are a number of regulatory frameworks which ban substances according to their classification, for example, the regulatory framework for medical devices which regulates the use of CMR substances. This means that PFAS can be regulated indirectly, depending on classification.

The regulation of cosmetic products has been dealt with in the Swedish Chemical Agency's report "Bättre EU-regler för en giftfri miljö" (Improved EU-rules for a non-toxic environment) (Swedish Chemicals Agency 2012). The report states that cosmetics regulations are aimed at protecting consumers from health risks associated with the use of cosmetics, but the regulations do not deal with environmental aspects, nor with health risks mediated through the environment (for example, drinking water). The cosmetics regulations state that such risks should be dealt with through the REACH regulation.

4.3 Voluntary agreements

At the start of 2006 the 2010/2015 PFOA Stewardship Program (US EPA 2015) was launched. This is a voluntary agreement between industry and the US Environmental Protection Agency aimed at reducing and eliminating industrial emissions and PFOA content in products. The agreement also covers substances that can be broken down to PFOA as well as related substances with longer carbon chains. Through an incremental reduction of emissions and content, there will be a complete phasing out of these substances by the end of 2015. DuPont, 3M, Solvay and BASF are amongst the companies taking part. There has been a significant reduction of PFOA and the companies have also reported that there will be no problem in entirely phasing out PFOA within the specified time scale. At the same time as industry has implemented these changes, an increase has been observed in the use of highly fluorinated substances with shorter carbon chains (principally with six perfluorinated carbons but also with four carbons).

5 Survey methodology

The survey was developed from a preliminary study carried out by the Swedish Chemicals Agency in spring 2014 and comprises two parts, one of which concerns the occurrence and use of highly fluorinated substances which are described in section 6, and the other of which concerns the occurrence and use of alternative substances, materials and technologies which can be found in section 8.

⁸ Regulation (EU) No. 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals.

⁹ The European Commission's Regulation (EC) No. 10/2011 on plastic materials and articles intended to come into contact with food.

5.1 Highly fluorinated substances and alternatives on the market

The work of this survey is based on information from databases that the agency has access to (e.g., the Swedish Products Register and the ECHAS database of registered substances). An important limitation for these sources is the fact that the material may be confidential. This means it is not always possible to communicate all data in detail. In addition, there is a lack of information on substances that are distributed in smaller volumes: in the Products Register less than 100 kg per product and year and under REACH (IUCLID) less than 100 tonne per company and year. In many cases there is no requirement to declare substances to the Products Register which are added at concentrations below 5% ¹⁰, which is often the case with PFAS in chemical products.

Searches have also included scientific articles and various reports on, and lists of, industrial chemicals from other countries (mainly North America and Asia). Information from industry has also been examined.

All known uses have been recorded but the focus has been on those that are most relevant to Sweden. Information on substances has been compiled, grouped and, where possible, linked to different areas of application.

Substances manufactured in Asia and North America have been included, mainly because they can enter the EU and Sweden via articles, with importers expected to have difficulties in obtaining information on any PFAS content.

5.1.1 The work process

A screening of available information was carried out to gain an awareness of the great variety of highly fluorinated substances on the Swedish market. The work began with an initial inventory of known substances on the world market (Figure 5). Information on which articles and chemical products PFAS end up in is often not found in open source literature. As the majority of those substances that are found lack all types of function descriptions, these have been deduced instead from other information such as chemical structure, chemical and physical properties, and structural analogy with known substances. Possible areas of application have been assumed from technical function, thus giving an indication of occurrence in consumer products (incl. synthetic chemicals).

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 $^{^{10}}$ Only for substances with a high hazard classification (CMR) and/or with a CSR that according to REACH needs to be declared at lower concentrations.

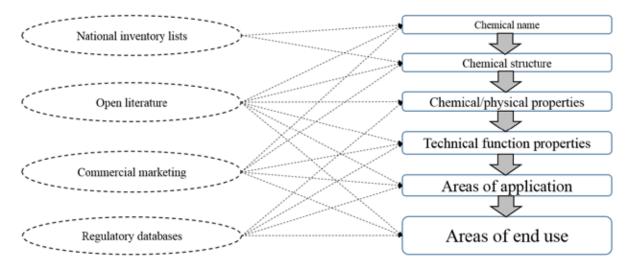


Figure 5: The work procedure for identifying highly fluorinated substances (grey arrows) together with the main types of information sources.

Official national lists of industrial chemicals¹¹ ("Inventory lists") have been an important source of information for the international survey. However, behind the lists there is a substantial amount of hidden data because regulations usually give suppliers of newly developed substances the right to withhold the exact identity of these substances from publication in order to protect the company from competitors. Therefore we also attempted to discover additional substances on the international market by looking through the marketing material of various companies.

Searches have also been made of various regulatory databases, such as the Products Register (covering Swedish chemicals management), the IUCLID database (substances registered under REACH) and CosIng (the EU's cosmetics database).

Information on alternatives (substances and materials) to highly fluorinated substances is based on various reports and documentation from industry. Available information on substances/substance groups, technologies and materials has been recorded for various areas of application.

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¹¹ Sweden, the EU, the USA, Canada, China, Japan, South Korea, New Zealand and the Philippines (downloadable from the internet).

5.1.1.1 Regulatory databases

The Products Register

The Swedish Products Register covers a substantial part of Swedish management of chemical products. Use data has been stored since 1992 and covers Swedish products that are marketed in Sweden at more than 100 kg per year. However, information on composition for substances without hazard classification only needs to be recorded if the content in the product is above 5 percent. Most highly fluorinated substances lack hazard classification and, if they are used at low concentrations, are not recorded in the Product Register. The search for use information has been carried out for both commercially active products and expired products. Unlike other chemical registers the Swedish Products Register also includes polymers. The register only covers the use of PFAS in chemical mixtures. However, indications of usage as raw material for articles can be recorded indirectly if the articles were manufactured in Sweden (via sector and function codes in the Products Register). For "commercially active" products on the Swedish market the last year for which data can be searched on the register was 2013.

The IUCLID database

IUCLID is a regulatory database ¹² which contains information on industrial chemicals that are registered under REACH. It contains substances that are classified as hazardous or have been brought onto the EU market in a quantity of at least 100 tonne per company per year (the limit will be reduced to 1 tonne in 2018). In the first instance the non-confidential information has been covered by the survey.

National inventory lists

National authority inventory lists ("regulatory inventory lists")¹³ have been used to identify which chemicals are found in various markets throughout the world. These mainly cover industrial chemicals. The information available on these lists is chemical names and various identity numbers (usually CAS number). This is often enough to identify which are highly fluorinated substances. Searches have been carried out of inventory lists from the EU (EINECS, as well as substances pre-registered under REACH), the USA (TSCA), Canada (DSL), China (IECSC), Japan (ENCS), Korea (KECI), the Philippines (PICCS) and New Zealand (NZIoC).

The EU's Classification and Labelling Inventory database

The hazard classification of chemicals is stored on a publicly searchable database called "C&L Inventory"¹⁴. This contains around 130,000 substances. Highly fluorinated substances that have only been identified in this database have not been included with those that are "available on the market" but have been dealt with separately. The reason is that it also contains substances that are still undergoing research and development.

The EU's cosmetics database

On its database CosIng the European Directorate General for Health and Food Safety records information on substances that may be found in cosmetics (CosIng 2015). The database is available on the internet. It lists, amongst other things, the so-called INCI name which will appear in the list of contents printed on the cosmetic products. The database also contains more detailed information on the chemical identity and function(s) of the substances.

¹² http://ECHA.europa.eu/information-on-chemicals/registered-substances

¹³ http://www.cirs-REACH.com/Inventory/Global_Chemical_Inventories.html

¹⁴ Included here are both harmonized classification and the company's own classification. http://ECHA.europa.eu/information-on-chemicals/cl-inventory-database

Patent information

Searchable patent information includes detailed descriptions of chemicals and their intended use. However, a patent does not constitute proof that a proposed use will be commercialized. Nevertheless it does contain valuable technical information that can clarify the scanty information obtained from other sources. A patent usually consists of a very comprehensive body of text. Each patent should therefore always include a brief summary. This survey uses the database of the United States Patent and Trademark Office, USPTO¹⁵. This was chosen because it represents a large and strategic market (in which patents are sought from all over the world). In addition, the database has a flexible search engine. The search functions "date search" and "indexed text search" were used.

As patents can be searched back in time (>1760s) it has been possible in patent searches to determine the trends over time in perfluoro technology. By carrying out retrospective searches it is possible to determine when a chemical first turned up in a patent and in how many patents certain words appeared over a particular time period. The text fragment "perfluoro" is often used in the English language technical literature in which the use of highly fluorinated substances is mentioned. The fragment "perfluoro" was therefore chosen for searching patent databases. Text searches were carried out on two levels: in the abstract text and in whole body of the text. If "perfluoro" was found in the summary it was assumed that the patent focused on the development of perfluoro technology; for example, the development of new substances, polymers or materials. If instead "perfluoro" was found in the full body of text it was assumed that the patent concerned the use of existing perfluorinated substances on the market in new areas of application. Whole text searches also included summary texts. However, this overlap was assessed to be negligible as it was estimated that it did not exceed 4 percent of cases. This search strategy should only be regarded as a preliminary screening of trends. One restriction in the choice of a name fragment is that in principle it should also include substances with only one perfluorinated carbon (which have been excluded from the survey). However, test searches of the database showed that such substances did not occur very often. For a more reliable assessment one also needs to analyse and categorize each individual patent.

5.1.1.2 Scientific literature

Inventories have also been made of use descriptions in scientific articles, regulatory reports and industry documentation. Posner at al. (2013) have compiled data to obtain an overview of which PFAS are found in various applications and have surveyed usage in the Nordic countries. In many studies the focus has been on PFOS and PFOA but Posner et al. (2013) have taken a broad view in an attempt to include all PFAS on the Nordic market. The work with the Stockholm Convention includes reports which describe different uses, such as UNEP/POPS/POPRC.9/INF/11/Rev.1 (2013) and the European Commission (2015a). Another example is OECD's and UNEP's global perfluorinated and polyfluorinated chemical group which in 2013 produced a synthesis paper on highly fluorinated substances (OECD 2013).

5.1.1.3 Company information

The marketing material of chemical companies has been used as a complementary source of information on chemical usage. A number of publicly searchable databases have been used,

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¹⁵ http://patft.uspto.gov/netahtml/PTO/index.html

including LockChem¹⁶, ChemNet¹⁷, ChemicalBook¹⁸, Made-in-china¹⁹ and AgenaChemical²⁰.

Different branches of the chemical industry in the EU have compiled lists of substances in the various sectors. This survey employs an inventory of chemicals that were used in printing inks for printing on food packaging (EuPIA 2013).

To some degree the age of a substance on the global market can be estimated from the date when the substance assigned to an international identity number (CAS no.). This can sought from the registry management organization Chemical Abstract Service²¹. This survey instead applied a simplified method based on the fact that the length of the CAS number increases with the time of registration. This relationship is shown to be linear from around the year 2000. A simple equation was then used to calculate the registration years during the period 2000 to 2014²². However, the registry date can in individual cases sometimes be misleading. For example, deviations can arise when old substances are re-registered and where the manufacturer has delayed for several years before obtaining a CAS number (e.g., to avoid publicity). The method works best when screening a large number of substances.

5.2 Uncertainty in gathered information

5.2.1 Substance identification

Most information databases which contain chemically related use information can normally be searched using the substance's CAS number. In many cases companies communicate substance information without attaching the CAS number. This applies to marketing, safety data sheets and registration with various authorities. As a result an unknown number of PFAS have not been picked up in this survey. A rough estimate has therefore been made in this survey of how many PFAS on the world market missing CAS numbers. This has been carried out using information on substances registered with the European Chemicals Agency's (ECHA's) IUCLID register and with the EU's cosmetics database, CosIng. Both registers are based on legislation which requires the reporting of all contained components. The chemicals reported here are given an unambiguous chemical identification. It is expected that the CAS number will be included if it is available. It is therefore possible to make a rough estimate of the number of "hidden" substances from the number of registered PFAS which have no CAS number.

Many PFAS are not pure substances but isomer mixtures. In practice they are mixtures of similar PFAS. Normally the length of the perfluorinated chain varies and/or the chain is to a greater or lesser degree branched. The chemical name does not always indicate whether a PFAS is an isomer mixture. Also, it usually does not indicate the dominating chain length. Overall, isomer mixtures create significant uncertainty with regard to what substance is being used.

¹⁶ http://www.lookchem.com

¹⁷ http://www.chemnet.com

¹⁸ http://www.chemicalbook.com

¹⁹ http://www.made-in-china.com

²⁰ http://www.angenechemical.com

²¹ http://www.cas.org

²² CASno (without hyphen) = 262133 * registration date (Excel's data format) + 9E+09. When applied to the period 2000-2014, gives a precision of R^2 =0.9994.

5.2.2 Assessment of end use

For PFAS where the CAS number is available it has been possible to carry out database searches of different markets. However, there was only a very sparse amount of available information on how the substances were used. Possible areas of application can nevertheless be deduced on the basis of chemical structure and similarity with other PFAS with known uses. Yet there can be large variations in uncertainty. The large number of identified substances has not permitted any more detailed analysis of the end uses of PFAS.

5.2.3 The limits of notification requirements

It is because PFAS have such high potency that information in various regulatory substanceand product-registers on how they are used is conspicuous by its absence. High technical effectiveness means that only very low concentrations need to be added, whereas in many cases requirement for registration depends on content or quantity. Only industrial semimanufactures and concentrates are recorded, while end-user products fall outside the regulatory framework.

5.2.4 Confidential company information

Another difficulty with PFAS is that they are relatively new on the international market. The more recently a substance has appeared on the market the more concerned the manufacturer is over information on its molecular structure and usage becoming known to competitors. In many cases manufacturers regard the content of fluoro ingredients as trade secrets and therefore do not always apply for patents for their products. However, they may consider releasing information in special cases where a confidentiality agreement is involved.

5.2.5 Import of articles

Many PFAS uses involve the manufacture and treatment of solid materials. A major part of the materials and articles consumed in the EU are manufactured outside the EU. As a whole this leads to a great deal of uncertainty over the occurrence of PFAS in imported articles (e.g., textiles). The reason is that the EU's chemicals legislation is not totally appropriate for imported articles. Naturally, the fact that importers of articles do not normally have focus/expertise in the field of chemicals means even greater uncertainty.

6 Occurrence and use of highly fluorinated substances

Summary of the Occurrence and use of highly fluorinated substances

- There are more than 3000 commercial PFAS on the world market.
- A substantial proportion of them do not have a CAS number.
- The largest group is polymers (mostly acrylate based).
- Isomer mixtures make up more than 14 percent of PFAS (C8-14 and C4-8 are the most common).
- Information on quantities is seldom available.
- Use in the EU currently involves mainly chains with six perfluorinated carbons.
- · PFAS have many different areas of application.
- As the substances are highly effective, only low concentrations are needed in products.
- There is no usage information available for half of all PFAS.
- Less well-known areas of application include cosmetics, dental restorative material, medical equipment and dirt-repellent agents for building materials, smart phones and solar cells.

6.1 General overview

The main limitation in uncovering information on end uses of PFAS is the fact that it is often not generally available. In addition a difficulty generally encountered by purchasers of PFAS-based products is the fact that the product name is often retained even if the chemical composition is changed over time (Swedish Chemicals Agency 2014). For example, some fire-fighting foams and impregnating agents have been replaced by more short-chain PFAS alternatives but have kept the same product names. This creates difficulties for purchasers who want to know what substances a product contains.

Because of the known environmental risks associated with long-chain PFAS, industry in the west has largely switched to more short-chain variants for various applications (Posner et al. 2013). These include:

- 6:2 fluorotelomers, which replace their long-chain equivalents.
- Perfluorobutane sulfonyl fluoride (PBSF)-based PFAS, which replace perfluorooctane sulfonyl fluoride (POSF) for surface treatment and coating.
- Perfluoropolyethers (PFPE), which are alternative process chemicals for fluoropolymer production.

6.1.1 Types of PFAS

PFAS on the international market are found in a large number fluoroorganic groups (Table 2). One large group comprises different types of PFAS-containing polymers. The most common polymer type is (meth)acrylate-based. A second major group comprises fluorosurfactants, principally various sulfonamide derivatives. Other major PFAS groups include phosphates,

alkanes, esters, sulfonic acids (surfactants), carboxylic acids, silicones/siloxanes, (meth)acryl monomers, iodides, sulfonamides, thiols, etc.

All identified PFAS are listed in Appendix 2 with CAS number, EC number, name, chemical grouping and perfluoro chain length.

Table 2: Chemical grouping of PFAS found on the global market and the number of different substances in each group.

| Fluoro group | Number of substances |
|--|----------------------|
| fluorinated (meth)acrylate polymers | 234 |
| N-alkyl perfluoroalkyl sulfonamides | 226 |
| poly/perfluorinated polymers | 173 |
| poly/perfluorinated phosphoorganics | 143 |
| polytetrafluoroethylene (PTFE) | 137 |
| poly/perfluorinated alkanes/alkenes | 120 |
| poly/perfluorinated sulfonic/sulfinic acids | 93 |
| poly/perfluorinated carboxylic acids | 93 |
| other poly/perfluorinated organics | 90 |
| poly/perfluorinated ethers | 80 |
| poly/perfluorinated esters | 69 |
| poly/perfluorinated alkanoyl/sulfonyl chloride or fluorides | 68 |
| poly/perfluorinated iodides | 64 |
| poly/perfluorinated (meth)acrylates | 58 |
| poly/perfluorinated alcohols | 56 |
| poly/perfluorinated sulfonamides | 52 |
| poly/perfluorinated siloxanes/silicones/silanes/silicates | 50 |
| poly/perfluorinated thiols | 45 |
| poly/perfluorinated copolymers | 35 |
| fluorinated urethanes polymers | 33 |
| poly/perfluorinated amines | 34 |
| polyfluoro siloxane and silicone polymers | 29 |
| poly/perfluorinated ammonium organics | 21 |
| poly/perfluorinated naphthalenes | 16 |
| poly/perfluorinated oxiranes | 14 |
| poly/perfluorinated ethoxylates | 8 |
| fluorinated oxetane polymers | 8 |
| poly/perfluorinated iodides | 4 |
| poly/perfluorinated urethanes | 3 |
| perfluoroalkyl sulfonamides | 2 |
| polyvinylidene fluoride (PVDF) | 2 |
| Total number | 2060 |

From the chemical name, 296 (14%) could be identified as isomer mixtures. They are usually mixtures of different lengths of perfluoro chains. Ranges of up to 1-24 carbons (C1-24) are found. The most common isomer mixtures are in the ranges C8-14 and C4-8 (Table 3). The broadest ranges are C1-24, C1-20 and C4-23 (Table 4).

Table 3: The distribution of various isomer mixtures amongst PFAS on the global market - The ten most common isomer mixtures on the global market.

| Perfluoro chain length | Number of PFAS |
|------------------------|----------------|
| C8-14 | 60 |
| C4-8 | 54 |
| C8-20 | 26 |
| C6-12 | 25 |
| C4-14 | 16 |
| C6-20 | 9 |
| C4-20 | 9 |
| C8-16 | 8 |
| C4-10 | 5 |
| C6-14 | 5 |

Table 4: The distribution of various isomer mixtures amongst PFAS on the global market - The ten broadest chain length ranges for PFAS.

| Perfluoro chain length | Size of chain length range |
|------------------------|----------------------------|
| C1-24 | 23 |
| C1-20 | 19 |
| C4-23 | 19 |
| C4-20 | 16 |
| C6-22 | 16 |
| C2-18 | 16 |
| C7-22 | 15 |
| C3-18 | 15 |
| C6-20 | 14 |
| C4-18 | 14 |

500-600 PFAS were found in the EU's Classification and Labelling Inventory database which were not found in any of the other databases that were searched. This could be because they are still in the research and development phase and are therefore more representative of newly developed PFAS. However, this assignment does not involve a closer analysis of what these substances are.

6.1.2 Description of PFA usage.

Information on how the substances are used could be found or deduced for around half the substances (Figure 6). The information discovered was usually brief. One fifth of the substances had associated information on "surface active substance" functions. Surface active substances have relatively broad areas of application. More detailed information was found for one third of all substances. These were, in decreasing order:

- Synthetic chemicals
- Electronics products
- Printing products
- Cosmetic products
- Textiles/leather impregnation
- Pharmaceuticals/plant protection/biocides
- Paint/Adhesive raw materials
- Paper impregnation
- Foam-based fire-fighting agents

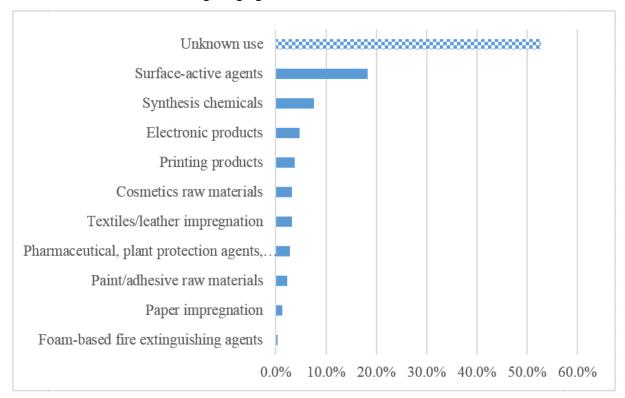


Figure 6: Uses (and non-uses) of PFAS identified on the global market (identified in spring 2015).

Many PFSA groups have several areas of application. Figure 7 shows the most commonly occurring associations. The number of PFAS identified for the different substance- and usage-groups is also included. The associations in the figure show a complex structure which suggests that the majority of PFAS groups probably have a broad usage potential in the community. However, only possible associations are presented. If quantitative data is found to be available it should be possible to determine which associations are dominant.

| Raw material for cosmetics | 76 | POLY/PERFLUORO ALKANES/ALKENES | 120 |
|---------------------------------------|------|--|-----|
| | | POLY/PERFLUORO SILOXANES/SILICONES/SILANES/SILICATES | 108 |
| Electronic products | 114 | POLY/PERFLUORO ALKANOYLISULFONYL CHLORIDE OR FLUORID | 68 |
| | | POLY/PERFLUORO ALCOHOLS | 56 |
| Synthesis chemicals | 703 | POLY/PERFLUORO PHOSPHORORGANICS | 143 |
| | | POLY/PERFLUORO AMINES/ANMONIUM COMPOUNDS | 54 |
| D-6 | | POLY/PERFLUORO CARBOXYLIC ACIDS | 93 |
| Surface-active agents | 493 | POLY/PERFLUORO ETHOXYLATES | 8 |
| Paint/adhesive raw materials | 57 | POLY/PERFLUORO ESTERS | 69 |
| Particadisesive raw materials | 3/ | POLY/PERFLUORO ETHERS | 80 |
| Printing products | 91 | POLY/PERFLUORO I COIDES | 68 |
| | | FLUOROPOLYMERS - BACKBONE | 139 |
| Unknown use | 1987 | FLUOROPOLYMERS - SIDE CHAIN | 276 |
| | | POLY/PERFLUORO (METH)ACRYLATES | 58 |
| Paper impregnation | 325 | POLY/PERFLUORO SULFONAMIDES | 280 |
| | | POLY/PERFLUORO NAPHTHALENES | 16 |
| Textile/leather impregnation | 348 | POLY/PERFLUORO OXIRANES | 14 |
| P | | POLY/PERFLUORO SULFONIC/SULFINIC ACIDS | 93 |
| Foam-based fire extinguishing agents | 8 | POLY/PERFLUORO THIOLS | 45 |
| Pharmaceutical, plant protection agen | 66 | POLY/PERFLUORO ORGANICS, OTHERs | 84 |

Figure 7: The number of PFAS found on the global market and their distribution between different areas of application. The figures give the number of substances per usage group (left) and chemical group (right).

6.1.3 Number of PFAS on the global market

The survey was able to identify 2060 highly fluorinated substances that are found or have been found on the global market. It is mainly substances with CAS numbers that have been identifiable. To obtain an idea of the total number of PFAS on the market an estimate is therefore needed of the number of PFAS without CAS numbers. This has been derived from two regulatory databases on which substances without CAS numbers must also be registered. These were the EU's IUCLID database (which is administered by the European Chemicals Agency, ECHA) and the EU's cosmetics database (CosIng). A total of 134 PFAS were found on these registers (Table 5). 49-53% of these substances had no CAS number. Assuming that this is true for all PFAS on the market, there will be an additional 2000 unidentified PFAS. This gives a total of around 4000 PFAS.

Table 5: Number of registered PFAS without a CAS number.

| Database | Total number of PFAS | PFAS without a CAS no. |
|-------------------------------|----------------------|------------------------|
| IUCLID (industrial chemicals) | 58 | 31 (53%) |
| CosIng (cosmetics chemicals) | 76 | 37 (49%) |
| Average value | 134 | 68 (51%) |

Examples of substances which may still not have been fully brought onto the market are the 500-600 unique PFAS found in the EU's Classification and Labelling Inventory database (all with CAS numbers). The database also includes chemicals that are in research and development. This could be the reason why these are not found in other databases.

Given the overall uncertainty in calculation and assumptions one might reasonably estimate that there are probably at least 3000 PFAS currently on the global market.

6.1.4 Volumes in the EU

It is not easy to obtain information on the quantities of highly fluorinated substances that are imported, manufactured and used in Sweden and the EU. It is assumed that the import of articles accounts for a substantial proportion. These are poorly monitored. Another reason for the scarcity of information is the fact that companies often regard fluorine content as confidential, something which came to light in the Swedish Chemical Agency's survey of fire-fighting foams carried out in spring 2014 (Swedish Chemicals Agency 2014). The most closely observed substances are and have been PFOS and PFOA. It is therefore not surprising that the information we have obtained mainly concerns these substances (and to some extent substances that can be broken down to PFOS or PFOA).

Within the framework of the Stockholm Convention and the POPs regulation there are lists of uses in the EU of PFOS and substances that can be broken down into PFOS (ESWI 2011, European Commission 2015a). The best available information has been compiled in Table 6 below.

The quantities recorded below do not give the full picture; it is most definite an underestimate with respect to the number of different highly fluorinated substances on the market.

Table 6: Estimated PFOS use in industry in the EU and Sweden. Source European Commission (ESWI 2011, European Commission 2015a) and Glas (2013).

| Sector | PFOS use in the EU (kg/year) | PFOS use in Sweden (kg/year) |
|--|---------------------------------|---------------------------------|
| Hard chrome plating industry | 6500 | 180 |
| Photographic industry | 562 | 0 |
| Semiconductor industry | 9.3 | 0 |
| Hydraulic fluids for the aviation industry | 600-730 | 6-10 |

The restriction proposal for PFOA (ECHA 2015) gives an estimate of the quantities of PFOA and PFOA-related substances that are imported into or manufactured in the EU (Table 7). The estimate is based on REACH registrations, information from the European Commission and consultation with industry. PFOA and its salts are not registered under REACH but it is estimated that 40 tonne PFOA (and its salts) are imported annually by the EU. Certain PFOArelated substances are registered under REACH and on the basis of this information it is assumed that 100-1000 tonne per year are manufactured in the EU. However, it is likely that not all PFOA-related substances are registered yet, which means it is probable that more than 1000 tonne are involved. According to industry 100-1000 tonne PFOA-related substances are imported each year (which are not registered under REACH). Only a limited number of companies participated in the consultation with industry, therefore it is highly likely that larger quantities are involved. In addition, it is assumed that substantial quantities of substances that can be broken down to PFOA enter the EU via import of articles, but it is difficult to obtain information on this (Table 7). ECHA (2015) regards textiles as a particularly important area of use and estimates that 1000-10,000 tonne of PFOA-related substances enter the EU in the form of imported textiles. There is a lack of information on other articles.

Table 7: Import of PFOA and PFOA-related substances into the EU.

| Import into the EU | (tonne/year) |
|--|--------------|
| PFOA (and its salts) as substances | 20 |
| PFOA (and its salts) as mixtures | 10 |
| Import of PFOA (and its salts) in articles | 10 |
| PFOA-related substances | 100-1000 |
| PFOA-related substances in textiles | 1000-10,000 |

6.2 Identification of areas of application

The various uses identified for highly fluorinated substances are recorded in this section. This is based on official databases which contain information from manufacturers and importers about what substances they use in their production. We have had access to the Swedish Products Register and the EU's IUCLID database and cosmetics database (CosIng), as well as various national inventory lists of industrial chemicals. These databases show that there are a large number of PFAS on the global market. As well as databases we have also included scientific literature, other reports, and company information.

6.2.1 Textiles and leather

Various highly fluorinated substances are used extensively by the textile industry in a range of textile-related articles such as outer garments, umbrellas, bags, sails, tents, parasols, car seat covers, leather articles, shoes, carpets, etc. They are used to repel water, oil and dirt (stains). PFAS contribute circa 2-3 percent of fibre weight in textiles and around 15 percent in synthetic carpets. There are mainly two different polymer groups that are used:

- 1) High molecular weight polytetrafluoroethylene (PTFE), which belongs to the PFAS group of fluoropolymers. This is used in highly porous fabrics (such as Gore-Tex®). A 10 micrometre thick membrane of PTFE is laminated onto a conventional textile material to impart mechanical strength. This thin film has 1.4 billion pores per cm². The pores are much smaller than raindrops (2-3 μm compared with 100 μm) but much larger than water vapour molecules (0.0004 μm). The materials are thus permeable to water vapour but not to water in liquid form (rain) and are therefore popular in outdoor clothing and camping equipment.
- 2) Side-chain fluorinated polymers such as, for example, PASF²³- or fluorotelomer-based acrylate polymers are used as surface treatments (finish) to improve surfaces and to make them water-, grease- and dirt-repellent. The method is used, for example, in textiles, carpets and leather.

These polymers can contain residues of, or are broken down to, fluorotelomers (such as 8:2 FTOH and 6:2 FTOH) or perfluorinated carboxylic acids (such as PFOA and PFHxA) (Posner 2015).

With so-called all-weather clothing it is normal for different parts of the garment to consist of different types of polymers. A porous PTFE membrane is often used to allow the garment to "breathe". Moreover, the outer later can consist of nylon or polyester that has been treated with side-chain fluorinated polymers. The occurrence of highly fluorinated substances in

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²³ Perfluoralkyl sulfonyl fluoride

textiles has been analysed in many studies (particularly all-weather garments but also carpets). In many cases high levels of polyfluorinated substances can be detected but this has varied between tests (Kotthoff et al. 2015, Greenpeace 2014a, Greenpeace 2014b, Liu et al. 2014, Liu et al. 2013, Greenpeace 2012, Herzke et al. 2012, STF 2006). The fluorotelomer alcohols observed in clothing are from the side-chain fluorinated polymer and not from the PTFE membrane. (Buck et al. 2011).

Protective clothing for various applications (for example, flame retardant clothing) can either be surface treated with a side-chain fluorinated polymer or produced from fluoropolymers such as woven porous PTFE or similar materials. A German study from 2012 looked at various perfluorinated substances in workwear for medics, pilots and firemen which protect against cold, rain and fire (Zangl et al. 2012). The concentrations varied but it was possible to detect, for example, PFHxA, PFOA, PFNA and PFDA in a number of analysed garments.

With PFAS used in textiles and leather, the trend in the west seems to be towards shorter chain lengths. Instead of side chains consisting of fluorotelomers with 6-14 perfluorinated carbons or POSF²⁴-based derivatives, shorter equivalents with side chains are now being used. In the 2000s 3M developed a number of surface treatment products that were side-chain fluorinated polymers based on derivatives of PBSF (perfluorobutane sulfonyl fluoride), i.e., in which four perfluorinated carbons were used. Examples of product names are Scotchguard PM-3622 (CAS number 949581-65-1), PM-490 (CAS number 940891-99-6) and PM-930 (CAS number 923298-12-8). There are also examples of fluorotelomers that are used as alternatives, primarily those based on six perfluorinated carbons. These contain copolymers from 6:2 fluorotelomers and polyfluorinated siloxanes. The company Miteni has launched polyfluoroalkyl alcohols (5:1 and 3:1 FTOH, CAS numbers 423-46-1 and 375-01-9) that can be used as building blocks for side-chain fluorinated polymers. Solvay uses PFPE as an alternative to side-chain fluorinated polymers (Wang et al. 2013).

In China, for example, PHxSF (perfluorohexane sulfonyl fluoride), is produced as an alternative to PFOS. There are also indications that there is some production in the EU, in Italy (Miteni 2015). PHxSF can be broken down to PFHxS (perfluorohexane sulfonate) which is a shorter version of PFOS.

Information from inventoried databases concerning textiles shows that, amongst polymers and polymer raw materials, it is mainly polyfluorinated/perfluorinated (meth)acryl polymers (C2-20) that are used. Other polymers include fluorinated urethanes (C4-18). Other raw materials include various polyfluorinated/perfluorinated substances. These are alkyl sulfonamide derivatives (C4-9), alkyl ammonium compounds (C4-7), alkyl alcohols (C3-14), and a smaller number of alkyl sulfonic acids/sulfinic acids (C8), alkyl thiols (C8-20), alkyl sulfonamides (C8), alkyl esters (C8-14), alkanes/alkenes (C6) and alkanoyl/sulfonyl chlorides or fluorides (C8).

6.2.2 Paper- and food-packaging

Fluorochemicals are used in the paper industry to manufacture grease- and water-repellent paper. They are used in food packaging (plates, popcorn bags and pizza cartons) and in other paper packaging (cartons, containers and masking paper). A content of 1-1.5 weight percent in the end product is normal (UNEP/POPS/POPRC.9/INF/11 2013).

There is a range of different brands from various suppliers on the international market that are listed in UNEP/POPS/POPRC.9/INF/11 (2013) and Posner et al. (2013). It is mainly side-

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²⁴Perfluorooctane sulfonyl fluoride (starting material in PFOS-manufacture)

chain fluorinated polymers and polyfluoroalkyl phosphonic acids (PAPs/diPAPs) that are used (Wang et al. 2013). Nowadays these are mainly based on 6:2 fluorotelomers, unlike previously when fluorotelomers with longer chains were used. Acrylate polymers and other polymers with a fluorinated side chain are also commonly found because they are effective repellents of oil, grease and water. Several examples of 6:2 fluorotelomers used for this purpose are registered in the USA, some being from DuPont. Perfluoropolyesters (PFPE) from Solvay are also used as alternatives. Usage in the EU and Sweden is unclear but according to researchers it is relatively easy to determine whether a paper has been treated with highly fluorinated substances (Trier 2015). Oil and water both form round drops with PFAS, whereas oil drops, but not water drops, are levelled out with, for example, silicone. In many cases there is a lack of information on PFAS in paper- and food-packaging as this is regarded as confidential business information. Analyses of Danish microwave popcorn bags show contents of diPAPs and S-diPAPs (Trier et al. 2011). An American study (Liu et al. 2013) was able to measure the content of FTOH in nearly 90% of food packaging examined. The highest levels found were of 6:2 FTOH (12 mg/kg) and the median level for total FTOH was 0.4 mg/kg.

Information from the Swedish Products Register, the IUCLID database and various inventory lists shows that on the global paper industry market there are a large number of polymers/polymer raw materials, mainly polyfluorinated/perfluorinated (meth)acryl polymers and monomers. Other major substance groups are poly/perfluorinated alkyl thiols (C4-20), poly/perfluorinated alkyl sulfonamide derivatives (C4-9), and poly/perfluorinated alkyl phosphorus compounds (C8). There are a smaller number in the substance groups alkyl esters (C6-14), alkyl silicones/siloxanes (C6) and alkyl sulfonic/sulfinic acids (C8).

6.2.3 Fire-fighting foam

The occurrence of PFAS in fire-fighting foam has been described in previous publications from the Swedish Chemicals Agency (Swedish Chemicals Agency 2013, 2015a, 2015b). There are various types of fire-fighting foam that are used with different types of fire. So-called Class A foams are for fires in fibrous materials such as in building whereas Class B foams are used for fires involving liquids. It is in Class B foams where highly fluorinated substances are used (Swedish Chemicals Agency 2015b). They are mainly used because of their effectiveness in creating a thin film of water between the foam and the burning fuel. The film increases the ability of the foam to spread rapidly over the liquid surface and at the same time inhibits evaporation and heat radiation. These fire-fighting foams are used in petroleum fires; for example, at airports and oil refineries, so-called Class B fires. There are also examples of fluorinated fire-fighting foams being used at fire-fighting training centres, though in a diluted form (Swedish Chemicals Agency 2015a).

Fluorine-based fire-fighting foams can be divided into the following categories:

- Fluoroprotein foam (FP). Common outside Sweden and used, for example, for fire protection in petroleum industries and on board ships.
- Film forming foam (AFFF, Aqueous Film Forming Foam). Developed in the 1960s and used for petroleum fires in, for example, aviation and the marine sector.
- Film forming fluoroprotein foam (FFFP). Also used in aviation. Fluorinated substances are also used here as foam stabilizers (Wang et al. 2013).
- Alcohol- resistant fluoropolymer detergent liquids (alcohol-resistant aqueous film forming foam, AR-AFFF). This is a universal foam in which the fluorinated substance is used as a foam stabilizer.

• Alcohol-resistant film forming fluoroprotein foam (AR-FFFP). This is a universal foam developed in the 1970s.

The survey of fire-fighting foams carried out by the Swedish Chemicals Agency together with the Swedish Civil Contingencies Agency in spring 2014 (Swedish Chemicals Agency 2015a) shows that there are two manufacturers of fire-fighting foam in Sweden: Fomtec in Helsingborg and Kempartner in Vadstena. They produce film forming foams, both with and without fluorosurfactants. With regard to suppliers, the Swedish market for fire-fighting foam is dominated by Dafo, Presto and Kidde. Dafo has part ownership in Fomtec and distributes Fomtec's products to airports, oil terminals, and fire and rescue services. Presto purchases a large portion of its products from Dr Sthamer in Germany, ABC Fire Protection in England and also from smaller European manufacturers. ABC Fire Protection specializes in portable fire extinguishers. Kidde buys in most of its fire-fighting foam from Angus in England and supplies industries, coast guard operations, and fire and rescue services in Sweden.

According to the Swedish Chemicals Agency (2014) there were no direct imports from manufacturers outside the EU or USA by those players who participated in the study. The fire-fighting foam used was produced in the EU and USA. However, this may not apply to other parts of the EU market. On the basis of information obtained in the various interviews we carried out in the course of the survey, it would seem that fire-fighting foam has nowadays become restricted and is only used to a small extent. This applies to both training and real fires. However, the situation appears to vary between municipalities. One player who was interviewed said that their use of foam was increasing as the area of application for fire-fighting foam had been expanded to include fires in buildings.

Even though manufacturers believe that their products comply with Swedish legislation and do not contain any PFOS, the survey of fire-fighting foam shows there is a lack of knowledge about other PFAS. Fire-fighting foam available on the Swedish market may contain an amount of various components but the information on fluorosurfactants is often regarded as confidential. There is therefore a significant lack of information on constituent highly fluorinated substances. Producers regard constituent components as confidential business information and therefore do not seek to patent their products. However, they may consider releasing information in special cases where a confidentiality agreement is involved. Another problem can be that purchasers and users are unable to find out whether a product has changed its chemical content.

According to the Swedish Chemicals Agency's PM from 2013, which identified fire-fighting foam as a possible polluter of drinking water (Swedish Chemicals Agency 2013), fire-fighting foam is produced as a concentrate (1-6% fluorosurfactants) and mixed with water. This agrees with information in the Swedish Products Register. A search for products with perfluorinated and polyfluorinated substances shows that there are a number of highly fluorinated substances with fire extinguishing function. However, the information in the Products Register is deficient as in most cases companies are not required to record lower levels of PFAS. The information in the Products Register is therefore incomplete (see section 7.4).

Nowadays PFOS and substances that can be broken down to PFOS are regulated globally under the Stockholm Convention (read further in section 4.1). However, only in the EU is there a ban on their use in fire-fighting foam. Globally PFOS is permitted in fire-fighting foam. Production and use still take place in China (even of PFHxS - six perfluorinated carbons) for fire-fighting foam. In 2002 the only manufacturer in the west, 3M, ceased producing PFOS-based AFFF and then developed an agent based on a fluorinated ketone in gaseous form (CAS number 756-13-8, UNEP/POPS/ POPRC.8/INF/17 2012). Today most

AFFF are based on fluorotelomers with six perfluorinated carbons. There is also a company in China that has developed an AFFF product based on PFBS derivatives (four perfluorinated carbons). It is not clear whether it is distributed nowadays (Fire fighting foam coalition 2015, Wang et al. 2013).

The Stockholm Convention has ordered a study of which fluorine-based fire-fighting foams (in the AFFF group) are currently in use and has written about C6-fluorotelomers (for example 6:2 FTS) and dodecafluoro-2-methylpentan-3-one which is manufactured by 3M (UNEP/POPS/POPRC.8/INF/17/ Rev.1 2012). Nine different fluorinated fire-fighting foams are named in the analysis but the chief fluorinated component (6:2 FTS and dodecafluoro-2-methylpentan-3-one) is given for only two of these. For the other seven there is a reference to confidential business information. It also writes that AFFF can be used in all different types of fire extinguishing equipment (e.g., sprinklers, portable fire extinguishers, fire services equipment).

According to Posner et al. (2013) the alternatives that are most commonly used are C8-C20- γ - ω -perfluorotelomer thiols with acrylamide (CAS number 70969-47-0). The aim is to use pure 6:2 fluorotelomers (betaines and amine oxides). However, it has proved difficult and expensive to get rid of longer chain molecules (e.g., C8) that can be broken down to PFOA. The petroleum sector has declared that it uses PASF (perfluoralkyl sulfonic acids) and FTS (fluorotelomer sulfonates). It has also been reported in a publication from the Swedish Chemicals Agency (2013) that the new generation of fire-fighting foams are to a large extent based on 6:2 FTS.

Swedavia, which owns ten Swedish airports, including Arlanda and Landvetter, had previously used fluorine-based fire-fighting foams but in June 2011 switched to a fluorine-free alternative (see section 8.1.3.3).

The Swedish Armed Forces began phasing out the use of perfluorinated substances in fire-fighting foam in Sweden in 2011 [according to Berglind et al. (2013)]. Nowadays the Swedish Armed Forces use a fluorotelomer-based fire-fighting foam, i.e. the substance that is broken down to perfluorinated substances. (Swedish Chemicals Agency 2015a).

PFOS can still be found in old portable fire extinguishers and in the equipment of fire and rescue services (Berglind et al. 2013). Concentrates of fire-fighting foam can be found in the inventories of fire services and on ships.

In autumn 2014, under commission from the Swedish Chemicals Agency and the Swedish Civil Contingencies Agency, Örebro University analysed ten different fire-fighting foams that were on the Swedish market (Swedish Chemicals Agency 2015b). Selection for analysis was based on the Agencies' previous survey of fire-fighting foams (Swedish Chemicals Agency 2015a) and on what was considered to be common on the Swedish market. In the analyses the researchers searched specifically for certain known PFAS but the products were also screened, revealing other fluorinated substances. One problem in the analysis was the fact that some samples from users were contaminated. Samples from unbroken packaging (with less risk of contamination) were also included in the study. The results showed that it was in Class B foams where fluoro-organic substances were to be found. The main substance groups contained in these foams were 6:2 fluorotelomer-based (6:2 FTSAS²⁵ and 6:2 FTAB, CAS number 34455-29-3²⁶) which can be broken down to the perfluorinated substances PFHxA

²⁵ Fluorotelomermercaptoalkylamido sulfonate.

²⁶ Fluorotelomer sulfonamide alkylbetaine, 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-3-[[(3,3,4,4,5,5,6,6,7,7,8,8,+ C339458-tridecafluorooctyl)sulfonyl]amino]-, inner salt.

and PFPeA). All products from unbroken (non-contaminated) packaging contained 6:2 FTS, PFHpA, PFHxA and shorter carboxylic acids. PFOA and PFNA could also be detected, though at low concentrations. The analysis report concludes that C8 was probably not used in the products studied. Whether low concentrations of PFOA and PFNA are detected depends in all likelihood on the technical quality of the C6-fluorochemicals (also certain amounts of C8 are formed in the production of C6).

Information from inventoried databases, etc., on fire-fighting foam is limited. Only six PFAS are mentioned. Besides those mentioned above there are also the following:

- Polymers (the Swedish Products Register, precise identity confidential).
- Polyperfluorinated alkyl thiols (the Swedish Products Register, precise identity confidential).

6.2.4 Cosmetic products

There has recently been an expansion in the use of highly fluorinated substances in various cosmetic and hygiene products (Fujii et al. 2013). This specifically concerns polyfluoroalkyl phosphonic acids (PAPs/diPAPs). These are used in sun creams, body lotions and other cosmetic products to make the products oil- and water-repellent. A Japanese study (Fujii et al. 2013) analysed various products that contained PAPs or other fluorine-based compounds (for example, polyfluoroalkyl silylated mica) according to the international cosmetics database INCI (International Nomenclature of Cosmetic Ingredients). Various cosmetic products for the face and nails were analysed, as were sun creams from various manufacturers. The results show that besides PAPs the products also contained perfluorinated carboxylic acids, PFCA (in the form of PFOA and shorter carbon chains such as PFHxA and PFHpA). 87 percent of cosmetics samples (13 of 15) and 89 percent of sun creams (8 of 9) contained PFCA. The highest concentration of analysed PFCA found was 5.9 µg/g in a foundation cream in powder form and 19 µg/g in a sun cream. The levels were generally higher in the sun creams. Also analysed were products which, according to INCI, did not contain any fluorine-based substances (such as PAPs) but which came from the same manufacturer. These contained no detectable PFCA which, according to the study, indicates that PAPs are an important source of PFCA in consumer products. However, this was a small study and more analyses would need to be performed before any reliable conclusions could be drawn.

CosIng is the European Commission's public database with information on substances that may be found in cosmetic products (see section 5.1.1.1). As well as chemical identity, there is also information on the substances' technical functions. 76 PFAS were found in the database. These represent many different chemical groups (see Table 8).

Table 8: Substance groups that can be found in cosmetics (CosIng 2015).

| fluorinated (meth)acrylate polymers |
|---|
| poly/perfluorinated naphthalenes |
| poly/perfluorinated alkanes/alkenes |
| other poly/perfluoro organics |
| poly/perfluorinated alcohols |
| poly/perfluorinated siloxanes/silicones/silanes/silicates |
| poly/perfluorinated polymers |

| poly/perfluorinated copolymers |
|---|
| poly/perfluorinated sulfonamides |
| polytetrafluoroethylene (PTFE) |
| poly/perfluorinated phosphoorganics |
| poly/perfluoro ethers |
| poly/perfluoro esters |
| polyfluoroalkyl phosphoric acid esters (PAPs) |
| poly/perfluorinated sulfonic/sulfinic acids |
| poly/perfluorinated (meth)acrylates |

The public part of the database contains no information on concentrations and quantities so it is not possible to determine how commonly occurring these are in cosmetics on the Swedish market.

Table 9 shows the technical functions of various PFAS in cosmetic products. These cover a broad range of uses, such as anticaking agents, emulsifiers, antistatics, stabilizers, surfactants, film formers, viscosity regulators and solvents. The list shows that many of the substances have been used for a variety of different functions. Many of them are indicated for use on the skin and hair.

Table 9: Functions found (incl. combinations) for PFAS in cosmetic product (CosIng 2015).

| Adsorbent, anticaking, emulsion stabilizing, skin conditioning |
|---|
| Adsorbent, anticaking, skin conditioning, binding, emulsion stabilizing |
| Anticaking |
| Antistatic, hair conditioning, skin conditioning |
| Binding |
| Binding, emollient |
| Bulking |
| Cleansing, surfactant |
| Cosmetic chemical |
| Detangling, skin conditioning, solvent |
| Emollient |
| Emollient, skin conditioning |
| Emulsifying |
| Emulsifying, skin conditioning |
| Emulsifying, surfactant |
| Emulsion stabilizing, solvent, surfactant |
| Emulsion stabilizing, skin conditioning |
| Film forming |
| Film forming, opacifying |
| Film forming, skin conditioning |
| Film forming, viscosity controlling |
| Hair conditioning |
| Hair conditioning, skin conditioning |

| Hair conditioning, skin conditioning, solvent | | | | |
|--|--|--|--|--|
| Hair conditioning, skin conditioning, surfactant | | | | |
| Skin conditioning | | | | |
| Solvent | | | | |
| Solvent, skin conditioning | | | | |
| Solvent, viscosity controlling | | | | |
| Surfactant | | | | |
| Surfactant, viscosity controlling | | | | |

6.2.5 Household products

PFAS are used in various household products. Often only low concentrations are needed to achieve the desired function in various cleaning agents (window polish, floor polish, waxes and car care products). Other examples of household products in which PFAS can be used are paints, printing inks, lacquer and cooking vessels (non-stick frying pans coated with PTFE).

6.2.5.1 Impregnating agents for textiles

There are a number of studies which show the content of various highly fluorinated substances in impregnating agents for textiles (Ye et al. 2014, Kotthoff et al. 2015, Liu 2014, Herzke et al. 2012, Fielder et al. 2010, Schulze and Norin 2007). These examine both fluorotelomers (FTOH and FTS) and perfluorinated substances, primarily carboxylic acids with various chain lengths. It is mainly fluorotelomer alcohols, FTOH, that are found in high concentrations. In the Swedish study by Schulze and Norin (2007) 3 out of 13 analysed products had concentrations of 1000-9000 mg FTOH (C4-C10)/L impregnating agent. The median values for 10:2 FTOH, 8:2 FTOH and 6:2 FTOH in the German study by Kothoff et al. (2015) were 71 mg/kg, 146 mg/kg and 19 mg/kg, respectively.

There was no available information on textile treatment in the databases searched as this is too detailed a function to be found listed there.

6.2.5.2 Paint, printing ink and lacquer

Highly fluorinated substances such as PFOA can be used in paints and printing to improve wetting, smoothness and flow. The highly fluorinated substance is used to reduce surface tension in paints so that the surface on which the paint is applied is wetted. Compared with other wetting agents, such as silicones, PFAS are more effective in reducing surface tension which ultimately improves paint adhesion. It is primarily in water-based paints where these properties are required and PFAS can be present at concentrations of about 1 percent. However, this figure is unreliable; in most cases there may be much lower concentrations, around 0.05 percent (ECHA 2015). Yet there does not appear to be any significant use of highly fluorinated substances [at least not in Denmark and Finland according to Posner et al. (2013)]. Suppliers in the paint industry are of the opinion that surface-active fluorinated substances are generally significantly more expensive than alternative surface-active substances. They are therefore used only if such a low surface tension is required that this cannot be achieved with a fluorine-free alternative (UNEP/POPS/POPRC.9/INF/11 2013).

Adding fluorinated surface active substances to inkjets improves the working of modern printers as well as enhancing picture quality with different media. The surface active fluorinated substance improves surface wetting during the printing process (UNEP/POPS/POPRC.8/INF/17 2012).

As for other areas of application, there are indications that, where paint and lacquer are concerned, industry has switched to highly fluorinated substances with shorter perfluorinated chain lengths (ECHA 2015). Highly fluorinated substances that can be found today are:

- Short-chain fluorotelomer-based surface-active substances (for example, Capstone®).
- C4-compounds based on PFBS (particularly where the surface treatment of electronic products is concerned).
- · Fluorinated polyethers (for example, PolyFox®).

A number of polymers and polymer raw materials appear in inventoried databases of paints and adhesives. These include perfluorinated and polyfluorinated (meth)acryl polymers, PTFE, and fluorinated urethane, as well as several complex compounded side-chain fluorinated polymers (copolymers) which have not been categorized. Other raw materials include various polyfluorinated/perfluorinated substances. These are alkylsulfonamide derivatives (C4-9), silicones/siloxanes (C2-14), alkylammonium compounds (C4-7), and a smaller number of alkyl thiols (C4-20), alkyl sulfonamides (C4-8), phosphorus compounds (C6), iodides (C11), alcohols (C8-14), meth(acrylates (C6).

For printing inks there are on the global market a smaller number of polymers/polymer raw materials, principally PTFE, poly/perfluorinated (meth)acryl polymers (C4-16) and fluorinated urethanes (C8). Other raw materials include various poly/perfluorinated alkyl sulfonamide derivatives (C4-8), polyfluorinated silicones/siloxanes (C6-14), poly/perfluorinated alkyl sulfonamides (C4-8), poly/perfluorinated alkyl alcohols (C8-14).

An inventory carried out by the EU branch organization for printing inks, published in 2013, found 37 highly fluorinated substances that were used within that sector [out of a total of 5452 substances according to EuPIA (2013)]. These were divided into four different technical printing ink functions: "monomer or other precursors", "plastics additives", "polymer resins" and "printing ink additives" (Table 10). Most PFAS belong to the group sulfonic acids and sulfonamide derivatives. These were all categorized as "printing ink additives" and have between four and nine perfluorinated carbon chains. PFAS were also found in binders in the form of perfluoropolyethers, perfluoro(meth)acrylate and perfluoralkyl alcohols. Other PFAS are PTFE and a polyfluorinated siloxane polymer.

Table 10: PFAS in printing inks in the EU (EuPIA 2013).

| Chemical group | Number of PFAS | Function | Perfluorinated chain length |
|---|----------------------|----------------------------|-----------------------------|
| N-alkyl perfluoroalkyl sulfonamides | 16 | Printing ink additives | C4-9 |
| poly/perfluorinated sulfonic acids | 8 | Printing ink additives | C4-8 |
| polytetrafluoroethylene (PTFE) | 4 | Printing ink additives | C4 |
| poly/perfluorinated polymers | 1 | Printing ink additives | |
| poly/perfluorinated ethers | 1 | Monomer or other precursor | C3 |
| poly/perfluorinated copolymers | 1 | Printing ink additives | |
| poly/perfluorinated carboxylic acids | 1 | Printing ink additives | C7 |
| poly/perfluorinated carboxylic acids | 1 | Plastics additives | C7 |
| poly/perfluorinated alcohols | 1 | Polymer resins | C8-14 |
| poly/perfluorinated (meth)acrylates | 1 | Polymer resins | C6 |
| poly/perfluorinated (meth)acrylates | 1 | Monomer or other precursor | C1-6 |
| polyfluoro siloxane and silicone polymers | 1 | Printing ink additives | C8 |
| fluorinated (meth)acrylate polymers | 1 | Printing ink additives | C6 |

6.2.5.3 Cleaning agents and polish

With regard to floor polish most manufacturers believe that fluorinated substances are necessary to give the product the desired properties (wetting, flowing and levelling evenly over the floor). Concentrations of 100-200 ppm have been found in the products (Posner et al. 2013).

A German study (Kotthoff et al. 2015) analysed nine different cleaning agents. The results showed low or no content of perfluorinated carboxylic acids whereas levels of fluorotelomer alcohols were high (median 10:2 FTOH 23 mg/kg, 8:2 63 mg/kg, 6:2 38 mg/kg). In an American study (Liu et al. 2014) of around fifty different consumer products in ten different categories, products for the treatment of floors and stone/wood had the highest levels of 6:2 FTOH (the highest level was 331 mg/kg) and 8:2 FTOH (the highest level was 92 mg/kg).

There was no available information on cleaning agents and polish in the databases searched as this is too detailed a function to be found listed there.

6.2.5.4 Non-stick products

So-called non-stick frying pans are treated with fluoropolymer (usually PTFE) to prevent food from sticking to the pan. PTFE-treated non-stick products cope with temperatures up to 290°C. Coatings are made up of one to three layers. These are sintered at ²⁷ between circa 200°C and circa 430°C (Termoflon coating 2015). A previous method involved the frying pan being hard blasted to give a rough surface to which PTFE could adhere. However, the method gave a surface that was prone to being removed when scraped with a metal implement. Nowadays PTFE with various degrees of "slipperiness" are used. The surface is still roughened initially and a sticky variant of PTFE is sprayed on as the base layer, followed by a middle layer of less sticky PTFE. Finally a layer of normal PTFE is applied (often mixed with ceramic material) for a more durable surface. These products have various trade names, for example, Teflon® which was launched by DuPont in 1944; another example is DyneonTM PTFE from 3M.

A Norwegian study (Herzke et al. 2012) analysed samples from six non-stick frying pans, three of which contained PFOS and PFHxS, though not at concentrations which exceeded the currently permitted PFOS level (threshold limit 0.1 weight %). PFOA was found in one of the samples (436 μ g/kg) which also had the highest total PFAS concentration (739 μ g/kg).

There was no available information on non-stick agents in the databases searched as this is too detailed a function to be found listed there.

6.2.5.5 Ski Wax

It has been shown that the use of PFAS in ski wax is a source of exposure for professional users of ski wax (mainly via air). Studies in Sweden and Norway have shown elevated levels of PFOA and PFNA in blood samples (Nilsson et al. 2010). Another study produced similar results (Freberg et al. 2010). Analysis has also been carried out of fluorotelomers in air samples in association with the use of ski wax, and this showed high levels of fluorotelomer alcohols, FTOH (Nilsson et al. 2013).

It is not certain what levels are present in the products themselves but ski waxes may contain mixtures of many different perfluoro-n-alkanes (C12-C24, C7 or C8) (Posner et al. 2013). Analyses of short-chain PFAS in the Nordic countries showed the presence of 6:2 FTOH in

²⁷ Sintering is a process in which particles are joined together at high temperatures to form larger objects.

all analysed ski waxes, though at low levels, 0.2-0.7 mg/kg (Blom and Hanssen 2015). A study of 13 different ski waxes (Kotthoff et al. 2015) showed the presence of various perfluorinated substances, principally perfluorinated carboxylic acids (C4-C14 PFCA in the form of PFBA, PFHxA, PFOA, PFNA and PFDA). PFOA (max. concentration 658 μ g/kg, median 3.2 μ g/kg) was found in 90% of the samples, along with PFHxA (max. concentration 183 μ g/kg, median 1.4 μ g/kg). PFOS could also be detected in all samples, though at lower concentrations.

There is a lack of market information on PFAS in ski wax. However, likely product choices can be obtained from information in patent documents (USEPO 2015). International patent information indicates that the first generation of PFAS in ski wax consisted of perfluorinated carbon chains (perfluoroparaffins, C1-21). It is proposed that these include both straight and branched chains (US patent 5202041, 1993, USEPO 2015). More complex perfluoro molecules appear in later patents, such as:

- Perfluoroalkyl polyether diols (US patent 6,465,398, 2002, USEPO 2015).
- Tetrafluoroethylene-perfluoro (propylvinyl ether) copolymer (US patent 6,465,398, 2002, USEPO 2015).
- Organofunctionalized silicone polymer, which contains at least one straight or branched, saturated or unsaturated perfluoro chain (C1-10), e.g., trifluoropropylmethyl/dimethyl siloxane) (US patent 7,745,560, 2010, USEPO 2015).
- Polychlorotrifluoroethylenes (PCTFE) (US patent 7,655,606, 2010, USEPO 2015).

6.2.6 Metal (hard- and decorative-chrome plating)

Fluorine-based surfactants are used as wetting agents in hard chrome plating processes²⁸ because they effectively reduce surface tension. During chrome plating hydrogen gas and oxygen gas are released from the chromium bath, drawing chromium vapour with them into the surrounding air.

The use of PFOS in non-decorative hard chrome plating is authorized under the Stockholm Convention²⁹. PFOS-related substances reduce surface tension in the chromium (VI) bath and form a barrier over the bath, thereby inhibiting the release of chromium vapour (the Swedish Chemicals Agency 2004). Other wetting agents are broken down more or less rapidly under the conditions prevailing in the chromium bath (which are strongly corrosive and oxidizing). Chromium (VI) is carcinogenic and therefore its emission is regulated in order to protect workers from exposure in the work environment.

Examples of areas in which hard chrome plated metal is used are wheel bearings and couplings for the rail industry, hydraulic cylinders and moulds for the plastics and rubber industries. Before 2010 circa 200 kg PFOS was used each year by the hard chrome plating industry in Sweden. Now usage is circa 180 kg/year. According to information (Glas 2013) there are seven hard chrome plating facilities in Sweden, three of which use PFOS. Non-decorative hard chrome plating accounts for 95 percent of the market. Because of internationalization of the machine industry over recent decades, a number of companies have disappeared from the sector.

²⁸ The term "hard" refers to the process for applying a 0.2 mm or thicker layer of a specific type of metal directly onto a substrate.

²⁹ This is assuming that it takes place in a closed system, which is a misleading term as 10-20% of the PFOS added is discharged in the waste water.

The PFOS-related substance that is used most in hard chrome plating is tetraethylammonium heptadecafluorooctane sulfonate (with trade names such as Fluortenside-248 and SurTec 960) which is found as 5-10 percent solutions.

In more recent years substitutes for PFOS seem to have appeared globally in the form of various polyfluorinated surfactants. For example, in the EU salts of 6:2 FTS (6:2 FTSA) are used which have been shown to be effective in certain tests but at present there are no alternatives that can match PFOS in creating low surface tension (European Commission 2015a). Therefore 3-10 times the amount of a polyfluorinated alternative is required to replace PFOS. Derivatives of PFBS (N(Et)4-PFBS, CAS number 25628-08-4) have also been registered in the EU for use in metal chrome plating, with a production volume of 1-10 tonne per year.

However, in some cases fluorotelomers have been shown to impart sufficiently good properties and are now used by two medium-sized hard chrome plating companies in Sweden. These companies believe that the cost is lower than with PFOS. Fluorotelomers were introduced into the Swedish hard chrome plating industry in 2009 by one dealer after which, in the same year, two companies carried out a test run with a substance and in 2011 they completely replaced PFOS with this substance. In addition, a smaller chrome plating firm is planning to introduce fluorotelomers. It is estimated that circa 8 kg fluorotelomers are now used in hard chrome plating in Sweden.

There are also alternative technologies which involve PTFE-coated spheres situated above the chrome bath.

In China two different products are used in place of PFOS. These are:

- Potassium 1,1,2,2-tetrafluoro-2-(perfluorohexyloxo)ethane sulfonate with the trade name F-53 and CAS number 754925-54-7.
- Potassium 2-(6-chloro-1,1,2,2,3,3,4,4,5,5,6,6-dodecafluorohexyloxy)-1,1,2,2-tetrafluoroethane sulfonate with the trade name F-53B and the CAS number 73606-19-6.

Approximately 20-30 tonne F-53 and F-53B were used in China in 2009. These are substances that can be broken down to PFHxS. Some of these substances can only be broken down in boiling water, which makes it an awkward process.

Decorative chrome plating is a different process from hard chrome plating which is described above. The chrome layer is much thinner $(0.05\text{-}0.5\mu\text{m})$ than with hard chrome plating $(0.2\,\text{mm})$ or thicker). PFOS was also once used in decorative chrome plating but new technology, which uses chromium (III) instead of chromium (VI), results in less intensive processes and non-hazardous aerosols. There is therefore not the same need for highly fluorinated substances (European Commission 2015a).

Decorative chrome plating is carried out for aesthetic reasons, preventing the metal from becoming tarnished and discoloured. It is used for car and motorcycle components, kitchen appliances, smartphones, etc.

Inventoried databases for metal chrome plating show that there is available information on the global market for a small number of substances (23) that can be used in metalwork. The use mainly concerns metal surface coating ("electroplating"), but in some cases it involves instead the use of lubricants in metal working. The substances found are recorded in Table 11.

Table 11: PFAS which can be used in metalwork. Chemical group with the largest number of substances recorded at the top (others in decreasing order).

| Chemical group | Perfluorinated chain length |
|---|-----------------------------|
| poly/perfluorinated alcohols | C8-14 |
| poly/perfluorinated amines | C5-12 |
| poly/perfluorinated (meth)acrylates | C6 |
| poly/perfluorinated phosphoorganics | C4-6 |
| poly/perfluorinated sulfonic/sulfinic acids | C8 |
| poly/perfluorinated sulfonamides | C6-8 |
| poly/perfluorinated sulfonyl chloride | C6 |
| n-alkyl perfluoroalkyl sulfonamides | C4 |
| fluorinated (meth)acrylate polymers | C7-8 |
| other poly/perfluorinated organics | C4-5 |

6.2.7 Hydraulic systems in the aviation industry

The manufacture of phosphate ester-based hydraulic fluids for the aviation industry involves the use of PFOS or PFOS-related substances as additives, with a PFOS level of around 0.1 percent. According to manufacturers they prevent fire, corrosion and evaporation. Before 2013 10 tonnes hydraulic fluids and 6 kg PFOS were used each year in Sweden. The equivalent figure for the EU was 600 kg PFOS/year. However, according to information from a supplier this use of PFOS has been phased out in Sweden and has been replaced by the use of other highly fluorinated substances. The total global market for highly fluorinated substances in hydraulic fluids for aircraft is estimated at circa 2 tonne per year (European Commission 2015a). The equivalent figure for the EU is circa 730 kg per year. Because of confidential business information it is difficult to find out which specific PFAS these products contain.

Inventoried databases only contain information on the use of hydraulic oils associated with three different PFAS. They are all cyclohexane-based poly/perfluorinated sulfonic acids (C7-8).

6.2.8 Photographic & Electronic equipment and components

6.2.8.1 Electronic equipment and components

Fluoropolymers are used in electronics because they are water-repellent and do not conduct electricity. They are used, for example, in printed circuit boards, PVDF films in loud speakers, transductors and similar products.

According to manufacturers the potassium salt of PFBS (CAS number 29420-49-3) is used as a flame retardant in polycarbonate resins (OECD 2013).

PFOS-related substances can be used in the manufacture of printers, scanners, digital cameras, mobile telephones, radar systems, etc. Use in colour printers and colour copiers is permitted in large parts of the world, but not in the EU. The PFOS-related substances are used as process chemicals and the end product is free from PFOS. They are used in many parts of the electronics industry and are added in various processes that are necessary both for electrical and electronic components and that involve both open and closed systems.

Highly fluorinated substances can be a component in dirt-repellent coatings which safeguard the transparency of glass surfaces on, for example, smartphones and solar cells (ACS 2009, US patent 8864897, Oct. 2014, USEPO 2015). These can consist of fluorosilanes with a perfluorinated dirt-repellent tail (see Figure 4). The tail can consist of C1-20 perfluoro chains or polyethers (molecular weight > 1000, at least 20Å³⁰ thick). Besides their dirt repellent properties fluoro substances are colourless and do not interfere with the optical properties that are necessary for the functioning of an underlying antireflex coating (US patent No. 6,277,485, USEPO 2015). (Meth)acrylates with straight (C1-9) or cyclic (C3-7) perfluorocarbon chains are also mentioned in patents for this type of use (US patent 8231973 from 2012, USEPO 2015).

6.2.8.2 Photographic surface layers

PFOS-related substances have been used in the photographic industry for the manufacture of film, film paper and photographic plates. It is mainly light-sensitive imaging materials (such as high speed film) that benefit from the properties of highly fluorinated substances (European Commission 2015a). It has also been reported that PFOA and PFOA-related substances (for example 8:2 FTOH) are used in the EU both professionally and by consumers. These fluorinated substances repel dirt and also function as friction control agents to reduce static electricity and surface tension. There are reports that 0.1-0.8 µg/cm² of PFOS-related substances were used previously and that small amounts of PFOS are still used in x-ray film for photo images for industrial and medical technology equipment. According to information from industry (ECHA 2015) less than 0.1 tonne PFOA and 0.1 tonne PFOA-related substances are used in the EU per year for photographic applications. However, this figure could be an underestimate. The use of photographic film globally and in Sweden is showing a downward trend in line with the development of digital technologies. In 2013 only a few gramme PFOS were imported into Sweden in film. Other conceivable highly fluorinated substances that have been identified in reports within the international work with the Stockholm Convention (UNEP/POPS/POPRC.9/ INF/11/Rev.1 2013) are substances with three or four perfluorinated carbons (C3 and C4) and telomer-based products with varying perfluorinated carbon chain length.

| \mathbf{T} | hic nce | is too | detailed | to be | found | in i | nventoried | databases |
|--------------|---------|--------|----------|-------|-------|------|------------|-----------|
| | | | | | | | | |

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 $^{^{30}}$ 1Å = 1x10⁻⁷mm.

6.2.8.3 Photoresistors and anti-reflective coatings for semiconductors

PFOS has been used as a surfactant to reduce surface tension and reflectivity in etching solutions, which is important for precise photolithographs in the semiconductor industry (photomasks). Small amounts of PFOS are required in a couple of critical photolithographic uses in the manufacture of semiconductor chips. (UNEP/POPS/POPRC.9/INF/11/Rev.1 2013). Before the year 2000 ca 500 kg PFOS were used for this application in the EU. Ten years later this figure was 10 kg. However, it is not clear which other highly fluorinated substances are used. Industry has stated that nowadays there are no alternatives for these critical applications. It is thought that PFBS, PFPE (perfluoropolyethers) or telomers can be used for non-critical applications (for example, developing agents).

This use is too detailed to be found in inventoried databases.

6.2.8.4 Market information Photographic & Electronic equipment and components

Market information on use in electronic equipment can be found in those databases that have been searched. In total 114 PFAS are associated with electronic equipment. Table 12 shows those fluorosurfactants that may possibly be associated with electronic products. The substances found have been listed in order of decreasing number on the global market.

Table 12: PFAS with possible associations with electronic products. Chemical group with the largest number of substances recorded at the top (others in decreasing order).

| Chemical group | Perfluorinated chain length |
|---|-----------------------------|
| poly/perfluorinated sulfonic/sulfinic acids | (C4-10) |
| poly/perfluorinated alkanes/alkenes | (C1-8) |
| other poly/perfluorinated organics | (C4-8) |
| poly/perfluorinated esters | (C1-8) |
| poly/perfluorinated carboxylic acids | (C5-8) |
| n-alkyl perfluoroalkyl sulfonamides | (C4-9) |
| poly/perfluorinated ethers | (C1-8) |
| poly/perfluorinated amines | (C4-18) |
| poly/perfluorinated siloxanes/silicones/silanes/silicates | (C4-8) |
| poly/perfluorinated phosphoorganics | (C4-9) |
| fluorinated (meth)acrylate polymers | (C4-8) |
| polytetrafluoroethylene (PTFE) | |
| poly/perfluorinated copolymers | (C8) |
| poly/perfluorinated thiols | (C6-8) |
| poly/perfluorinated iodides | (C4-20) |
| poly/perfluorinated polymers | |
| poly/perfluorinated ammonium organics | (C4-7) |
| poly/perfluorinated alcohols | (C3-8) |
| poly/perfluorinated (meth)acrylates | (C6-8) |
| poly/perfluorinated sulfonamides | (C8) |

6.2.9 Synthesis chemicals (intermediaries)

All manufacturers used to use sodium- or ammonium perfluorooctanoate (NaPFO or APFO, i.e. salts of PFOA) to a significant extent as process chemicals in the production of fluoropolymers (polymers with a fluorinated backbone, for an explanation see section 3.1). Surface-active fluorinated substances are used as emulsifiers and contribute to the substance's ability, from the aqueous phase, to react with substances from the hydrophobic phase to form a polymer. According to Prevedouros et al. (2006) only a few tenths of a percent of the highly fluorinated substance is required, relative to the amount of polymer produced. The process chemical (the surface-active fluorinated substance) is destroyed when the water-containing the fluoropolymer emulsion is dried at high temperatures. At low hardening temperatures residues of the process chemical can be found in the finished polymer product. One example of a fluoropolymer is polytetrafluoroethylene (PTFE) which is used in Teflon[®]; other examples are polyvinylidene fluoride (PVDF), fluorinated ethylene propylene (FEP) and perfluoroalkoxyl polymer (PFA). The largest manufacturers in North America, Japan and Europe have joined the American EPA's so-called Stewardship Program and have thereby undertaken to phase out PFOA and its salts from production by the end of 2015. This means that the use of PFOA for the production of fluoropolymers in the EU will decrease. By contrast it is highly likely that companies which have not joined the Stewardship Program (major manufacturers in China and Russia) will continue to use PFOA.

The current total demand for fluoropolymers in the EU is estimated at 53,000 tonne per year [20 percent of the global market according to ECHA (2015)]. In terms of volume PTFE is the most important fluoropolymer as it makes up circa 60 percent of the global fluoropolymer market. Demand in the EU for PTFE produced via emulsion (therefore using fluorochemicals as process chemicals) is estimated at 21,000 tonne per year. Assuming that supply in the EU reflects the global market, this means that 70 percent have joined the Stewardship Program and that other manufacturers are still using PFOA and their salts in their production. Therefore 6500 tonne per year (30 percent) of the PTFE used in the EU may contain residues of PFOA.

Studies reported in the PFOA restriction proposal (ECHA 2015) show that when PFOA is used as a process chemical the end product (the fluoropolymer) may contain relatively high levels of PFOA. But the level of PFOA can vary significantly, between 0.001-0.005 percent in dry material and 0.1-0.5 percent in dispersed material. This means that (based on 6500 tonne PTFE) that around 3-16 tonne PFOA per year enter the EU via imports of PTFE mixtures.

Even if several companies in the west have stopped using PFOA in their production, in recent years they have developed other fluorine-based alternatives, often producers develop their own. Use of these as process chemicals (corresponding to the way in which PFOA is used) can mean that there are residues remaining in the end product. In many cases various perfluoropolyesters (PFPE) are used as process chemicals instead of PFOA. For example, the global chemical companies 3M, DuPont, Solvay and Asahi have developed various substances which belong to the group PFPE.

GenX or D3 Dimer salt (CF₃CF₂CF₂OCF(CF₃)COO⁻ NH4⁺, CAS number 62037-80-3) from DuPont is registered under REACH for a production of 10-100 tonne/year in the EU. Other examples of fluorine-based process chemicals that are registered in the EU are ADONA from 3M (CF₃OCF₂CF₂CF₂OCHFCF₂COO⁻NH₄⁺, CAS number 958445-44-8) (Wang et al. 2013, ECHA 2015) and EEA-NH4 (ammonium difluoro [1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethoxy]acetate, CAS number 908020-52-0) (ECHA 2015). According to industry (ECHA 2015) highly fluorinated substances with shorter carbon chains function in a similar way to PFOA, though higher concentrations are required to achieve the

same effect. Chinese manufacturers can use 6:2 fluorotelomer carboxylic acids (6:2 FTCA, C₆F₁₃CH₂COOH, CAS number 53826-12-3) as an alternative to PFOA. There are also examples of Chinese companies (Chenguang 2015) which use PFPE-related substances as alternative process chemicals. As a rule, larger amounts of these substances are required, compared with PFOA (ECHA 2015).

On the basis of the above information it can be assumed that 14,500 tonne PTFE/year (21,000 x 70%) on the EU market may contain residues of fluorine-based process chemicals (with shorter carbon chain lengths than PFOA). If the same calculations as above are used (0.001-0.5% fluorine content, depending on type of material) this should mean that totally 7-36 tonne highly fluorinated substances with shorter perfluorinated carbon chains (primarily PFPE) enter the EU each year via the import of PTFE mixtures. However, it is important to remember that this is a rough estimate. For example, larger amounts of PFPE are required than PFOA in manufacturing. This should mean higher levels in the finished PTFE mixture.

Information from inventoried databases concerning use in synthesis shows that one third of the PFAS found on the world market can wholly or partly be used as raw materials for synthesis. These can be divided into two groups: polymer raw materials and raw materials for fluorosurfactants. The chemical groups recorded in Table 13 could be identified (arranged in order of decreasing number).

Table 13: PFAS that can be used as raw materials for the synthesis of polymers and fluorosurfactants. Chemical group with the largest number of substances recorded at the top (others in decreasing order).

| Polymer raw materials Chemical group | Perfluorinated chain length |
|--|-----------------------------|
| poly/perfluorinated (meth)acrylate polymers | |
| poly/perfluorinated urethane (meth)acrylate polymer | (C3-22) |
| polytetrafluoroethylene polymer (PTFE) | - |
| poly/perfluorinated oxetane polymers | - |
| Fluorosurfactant raw materials (only those most commonly occurring are included) | |
| poly/perfluorinated carboxylic acids | (C2-20) |
| poly/perfluorinated iodides | (C3-26) |
| poly/perfluorinated alcohols | (C3-22) |
| poly/perfluorinated alkanoyl/sulfonyl chlorides or fluorides | (C1-12) |
| poly/perfluorinated sulfonamide derivatives | (C4-9) |
| poly/perfluorinated esters | (C1-11) |
| poly/perfluorinated phosphorus compounds | (C4-12) |
| poly/perfluorinated (meth)acrylates | (C4-9) |
| poly/perfluorinated oxiranes | (C2-17) |
| poly/perfluorinated sulfonamides | (C5-8) |
| poly/perfluorinated sulfonic/sulfinic acids | (C4-8) |
| poly/perfluorinated ethers | (C1-4) |
| poly/perfluorinated alkanes/alkenes | (C1-17) |
| poly/perfluorinated thiols | (C6-11) |
| poly/perfluorinated siloxanes/silicones | (C6) |

6.2.10 Other uses

6.2.10.1 Medical devices

Fluorochemicals are used in medical devices and equipment. Textiles, for example surgical drapes and gowns are treated with side-chain fluorinated polymers to improve the surfaces and to enhance water-, oil- and dirt-resistance. The inert properties of fluoropolymers make them suitable material for implants and other medical materials. Also highly fluorinated substances are used in the manufacture of x-ray film that is still needed for photoimaging with medical equipment (OECD 2013). Old video endoscopes in hospitals have a CCD colour filter which contains small amounts of PFOS. New CCD filters are PFOS-free. There are other medical devices in which PFBS has replaced PFOS. Some manufacturing in the EU uses PFOA as a process chemical. This could, for example, be the manufacture of mechanical heart valves, artery tubes and equipment for implanting these (European Commission 2015b).

A Japanese patent for the manufacture of contact lenses from 2012 names a large number of PFAS as raw materials. These belong to the group (meth)acrylate polymers (C1-4) and carboxylic acid esters (C1-20) (US patent 8,288,496, USEPO 2015). The text of the patent refers to other patents in which PFAS are proposed as raw materials.

A Nordic study (Blom and Hanssen 2015) analysed, amongst other things, two different types of dental floss. The results show a content of various fluorotelomers (6:2 and 8:2 FTOH, average concentration 0.4 mg/kg and 2.5 mg/kg, respectively) and low levels of PFOA.

Linear/branched alcohols, ethers and esters with alkyl chains which are terminated with perfluoro chains (C1-6) (US patent 8,962,708, USEPO 2015) are mentioned in a German patent document from February 2015 dealing with the composition of UV-hardened dental restorative materials.

Another German patent document from 2013 dealing with the composition of UV-hardened dental restorative materials also mentions longer perfluorinated alkyl chains (C1-9 and C2-6) (US patent 8,466,210, USEPO 2015).

This use in medical equipment is too detailed to be found in inventoried databases.

6.2.10.2 Building materials

Fluoropolymers, such as PTFE and PVDF, can be used as surface treatments in various building materials (for example, tiles and glass material) to impart fire- or weather-resistant properties.

There are reports that some fluorochemicals are used in various building and construction products that have contact with lightweight concrete. Examples of these substances are thiols, C_8 - C_{20} - γ - ω -perfluorotelomer thiols with acrylamide (CAS number 70969-47-0). This is found in Australia but it is not known whether this use also occurs in the EU and in the Nordic countries (Posner et al. 2013). The construction material in question here is often recovered, crushed and used as a filling material at landfill sites.

This use in building materials is too detailed a function to be found in inventoried databases.

6.2.10.3 Oil- and mining-production

Highly fluorinated substances (formerly PFOS) are used in the oil and mining industries to enhance oil or gas recovery, as an aviation fuel, as a hydrocarbon solvent, as a petrol evaporation inhibitor, and to increase the amount of metal recovery from ore in copper and

gold mines (UNEP/POPS/POPRC.9/INF/11/Rev.1 2013). According to OECD (2006) 3M was intending to develop PFBS as alternatives to PFOS. Other perfluorinated substances for this use are (according to US patents) perfluoralkyl-substituted amines, amino acids and thioether acids. At present there is not much information on their uses.

This use in oil and mining production is too detailed a function to be found in inventoried databases.

6.2.10.4 Plant protection agents

International studies (UNEP/POPS/POPRC.9/INF/11 2013) have reported that highly fluorinated substances can be used in plant protection agents both as active ingredients (the pesticide) and as additives (adjuvants). PFAS can have various functions as additives: dispersants, to facilitate the spreading of plant protection agents on insects and plant leaves and to increase uptake by insects and plants. As PFAS is an effective additives it is only required in relatively low concentrations (0.1 percent). There are patents for these substances and they have been marketed. Posner et al. (2013) claim that no studies have been carried out to determine what they are and that there is a lack of information on manufacturers. It is also unclear whether and to what extent they are used on the Nordic and European markets (Posner et al. 2013). In Sweden, however, all plant protection agents have comprehensive information on composition, manufacturers of the substances contained and co-formulants.

The PFOS-related substance sulfuramid (or sulfluramid) (EtFOSA) is both a surfactant and a plant protection agent and is used in tropical environments against termites, cockroaches and other insects. PFOS-related agents are not used on the European market. The EU and the American EPA ceased registration of sulfuramid in 2008. On the other hand, the substance is used in Brazil and China. It is estimated that 10 percent of the substance is broken down to PFOS.

Moreover there are also plant protection agents which contain one or more fluorine atoms, usually as substance groups with -CF₃.

The use of plant protection agents is too detailed a function to be included in inventoried databases.

7 Market trends

Summary of Market trends

- Less than 2 percent are registered under REACH (should increase to <20 percent by 2018) and less than 4 percent in the Swedish Products Register.
- The Swedish chemical industry has carried out an extensive replacement of highly fluorinated substances (at least over the last 20 years).
- · Historical development towards shorter chains.
- · Many perfluorinated chains can be branched.
- Patent data indicates moderate development of new highly fluorinated substances, with a strong increase in the use of existing PFAS in new areas.

The occurrence of chemicals on the Swedish market is strongly integrated with the international market. This applies in particular to trade in imported articles and trade in small quantities of chemical products where the possibilities for control are limited. Therefore it is thought that even information on the use of articles manufactured in other parts of the world, such as the USA and China, can also be found in Sweden. Information from foreign sources has been assessed to be relevant and has therefore been included in this survey.

Of all the PFAS that can probably be found on the global market, 58 (<2%) were registered under REACH in 2015. Chemicals in the lowest quantity category (1-100 tonne per company per year) will be registered under REACH in 2018. Information on pre-registrations³¹ indicates that a good 500 more PFAS (a further 18%) will be registered.

Information on chemical-specific market trends is usually not officially available and is mainly produced for various industrial players. Some rough estimates can be made from the official information. In this study information has been gathered from scientific articles, an official patent database, and from confidential chemical registers in Sweden (the Products Register) and of the European Chemicals Agency (ECHA).

7.1 Market history

One way of understanding the history is to analyse at what point in time a manufacturer registered a CAS number. It has been possible to estimate the year of registration from and including the year 2000 (estimated from the length of the CAS number, see section 5.1.1.3). The majority of identified PFAS were registered before the year 2000 (87%). A clear downward trend can be observed for the remainder (13%). Fewer and fewer new PFAS are being registered. The figure was nearly zero in 2014 (Figure 8).

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³¹ The reduced list from 2010.

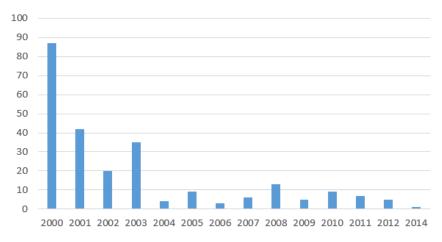


Figure 8: Number of CAS-registered PFAS per year.

7.2 Conformational changes in PFAS chains

Simpler perfluorinated chains in PFAS molecules have over time been replaced by more complex molecules (see Figure 9). This is in part because regulations and restrictions have been introduced as substances with simple perfluorinated chains have shown, and are suspected to have, PBT properties.

One adjustment that can be observed is a shortening of the perfluorinated carbon chain. Another tendency has been for the structures to become more complex, such as:

- Branched molecules.
- Cyclic molecules.
- With oxygen bridges in perfluorinated chains ["polyether"-bridges, Buck et al. (2012)].
- Fluorine atoms on one or more carbons in perfluorocarbon compounds have been replaced by other halogens or hydrogen atoms.

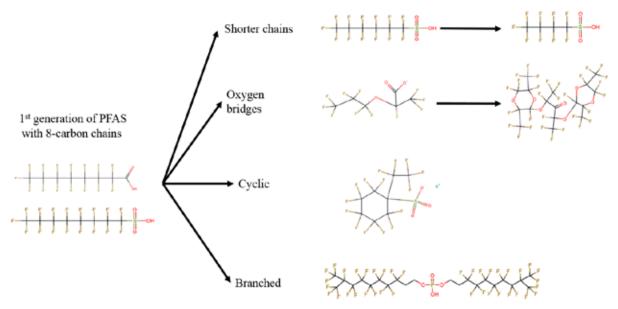


Figure 9: Changes in the conformation of perfluorinated chains (...-CF2-...) in marketed PFAS.

An American study (Liu et al. 2013) analysed perfluorinated carboxylic acids (PFCA) in various products between 2007 and 2011. Treated carpets, floor waxes, sealants and paperand food-packaging are examples of products included in the study. Different time trends could be observed. There was generally a reduction in PFCA content, particularly for carpets, textile care products and treated healthcare clothing. On the other hand, it was observed that recorded concentrations of PFBA had increased in 19 of 35 examined products, with floor waxes showing a significant increase. Perfluorinated sulfonic acids (PFSA) were also analysed in 14 different products over a period of time. Among the products analysed, various products used to treat carpets had the highest concentrations. It was observed that the concentration of PFSA in a carpet shampoo increased between 2008 and 2011. There are indications that the short-chain perfluorinated sulfonic acid PFBS has been developed by 3M as an alternative to PFOS (Wang et al. 2013). The results are in agreement with information from industry (Holt 2011) and elsewhere that short-chain PFAS are becoming more common in various areas of application. However, it is uncertain how effective C4 chemistry is compared with C6. According to experts (Posner 2015) C8 substances (such as PFOS, PFOA, 8:2 FTOH) confer the ultimate properties and to some degree C6 substances (6:2 FTOH etc.) can confer similar properties but are not as powerful as C8s. There is less certainty about the effectiveness of fluorinated substances based on four perfluorinated carbons (C4).

7.3 Patent information

The text fragment "perfluoro" is normally used in patents where highly fluorinated organic substances are mentioned. A patent usually comprises a very comprehensive body of text and must therefore always have a summary. A search for the fragment was carried out partly in the patent's summary and partly in the entire patent text. If it was found in the summary text it was assumed that the patent concerned a further development of perfluoro chemistry itself whereas if it was found in the full text it was assumed that the patent concerned the exploitation of existing perfluoro chemistry in more or less new areas of application (see section 5.1.1.1).

A total of 73,642 different patents contained "perfluoro" in their full text. In barely 4 percent of these, "perfluoro" was also mentioned in the summary.

The first patent in which "perfluoro" was found in the patent text was from the period 1950-1955 (Figure 10A). The curve subsequently shows a clear increase throughout the entire period studied (up to 1 Jan 2015). In the year 2000 3M announced that, for environmental reasons, it was ending its manufacture of PFOS (Swedish Chemicals Agency 2004). This could possibly explain the temporary brake in the number of patents during the period 2000-2010. However, the subsequent strong growth in patents during the most recent period (2010-2015) indicates optimism prior to a continuation in the use of perfluoro technology.

Our searches in patent summaries (the "abstract" text, Figure 10B) during the same period also show this in the form of a substantial increase in the occurrence of the text fragment "perfluoro". However, the difference was that the increase came to a halt in the 1990s, after which the trend was one of slight reduction.

In summary, the patent information indicates that the development of new perfluorinated substances appears to be proceeding at a moderate rate, whereas the use of existing perfluorinated substances is probably still developing strongly.

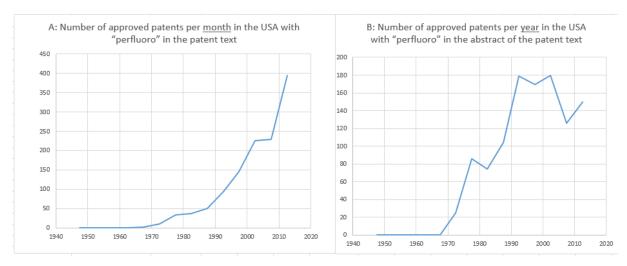


Figure 10: Trends over time in the number of patents in which the word "perfluoro" is mentioned in the full patent text (A), and in the text's summary (B) (searched in the patent database USPTO April 2015).

7.4 The Swedish Products Register

There are a total of 232 PFAS in the Swedish Products Register which is administered by the Swedish Chemicals Agency. A good half (53%) of these are products on the Swedish market (active products). Those PFAS that are no longer registered as active products (expired products) in Sweden can, despite this, still be found on the Swedish market, mainly for the following reasons:

- 1. They may be in products at concentrations that are below the limit at which substances must be reported. The limit is 5 weight percent for substances that are not classified as hazardous (which is the case for most PFAS).
- 2. They can be found in products sold in Sweden but are below the quantity limit at which registration with the Product Register is required (100 kg product/year per company).
- 3. They can be found in durable articles that have not yet reached the waste management stage.
- 4. They can arrive in Sweden via <u>imported articles</u> (e.g., in impregnated textiles). The substances may be used in countries from which Sweden imports consumer articles. Even those PFAS that are regulated in the EU (through the candidate list) may arrive in Sweden via articles imported from countries outside the EU.

The precise identity of substances on the Products Register is sometimes confidential and it may require the company's permission before a substance's identity can be published. Therefore only the chemical group to which they belong is given below. The range of lengths of perfluorinated carbon chains is also given.

7.4.1 Changes over time

The historical information in the Swedish Products Register allows analysis of trends over time. This shows that many PFAS, new to the Swedish market, were registered up to the start of the 2000s (the oldest registration date is from 1992, Figure 12). Around 2002 there was a temporary net reduction in the number of PFAS in active products. After this period the turnover of PFAS in the register balanced itself out at about zero (newly registered \approx deregistered).

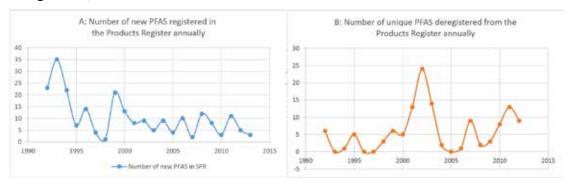


Figure 11: Annual increase (A) or decrease (B) in unique PFAS in the Product Register 1992-2013.

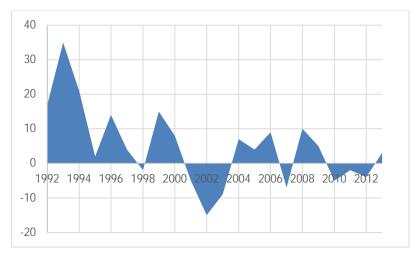


Figure 12: Net change in the number of unique PFAS in active products registered in the Products Register. Calculated as the number of new unique PFAS that are added through new registration (Figure 11a) minus the number of unique PFAS that disappear through deregistration (Figure 11b).

7.4.2 PFAS in active chemical products

There are 124 PFAS registered in active products. The most frequently encountered type of highly fluorinated substances in the Products Register is polymers. The most common fluoropolymer group is acrylate-based. Fluoropolymers are often combined in a complex manner with various types of monomers. This makes categorization of polymer type more difficult.

Many of the PFAS found in the Products Register are used or have been used in a number of product groups. Those PFAS that are present in products on the Swedish market (2013) are listed below in Table 14.

- **Impregnating substances for textiles and leather:** (meth)acrylate polymers (C4-20), urethane polymers (C8-14), other polymers (C2), N-alkyl sulfonamides (C4-8), alkyl alcohols (C3).
- **Paints, Adhesives, (including raw materials):** (meth)acrylate polymers (C4-20), PTFE polymers, silicone/siloxane polymers (C8-14), N-alkyl sulfonamides (C4-8), sulfonamides (C4-8), silicones/siloxanes (C6), alkyl phosphates (C6), alkyl alcohols (C8-14), etc.
- **Substances in Polish:** PTFE polymers, (meth)acrylate polymers (C6-20), other polymers (C6), alkyl phosphorus compounds (C6-12), alkyl phosphates (C6-12), N-alkyl sulfonamides (C8), alkyl ethers (C<5), silicones/siloxanes (C6), alkanes (C5) etc.
- **Metal surface treatment and surface coating substances:** alkyl sulfonic acids/amides (C6-8), PTFE, alkyl phosphates (C6-12), alkyl alcohols (C8-14), alkyl ethers (C<5), alkyl sulfonyl chlorides (C6), alkanes/alkenes (C6).
- **Printing ink substances:** (meth)acrylate polymers (C4-16), silicone polymers (C8-14), alkyl sulfonamides (C4-8), alkyl sulfonic/sulfinic acids (C4-8), silicones/siloxanes (C6), N-alkyl sulfonamides (C4-8), PTFE-polymers, alkyl alcohols (C8-14).
- **Raw materials for electronics:** alkyl sulfonic acids (C8), ethers (C<5), PTFE, alkanes (C5-7), alkyl alcohols (C3), N-alkyl sulfonamides (C4), alkyl amines (C5-18).
- **Fire-fighting foam substances:** alkyl sulfonamides (C6-20), alkyl thiols, N-alkyl sulfonamides (C6), polymers³².
- **Raw materials for optics:** ethers (C<5), esters, alkanes.
- **Biocide substances (insecticides/herbicides):** esters, phosphorus compounds.
- **Hydraulic oil substances:** alkyl sulfonic acids (C7).

³² The identity of the substances may be confidential.

Table 14: Number of PFAS in active product in the Swedish Products Register (2013, source: Swedish Products Register, SPR, 2015).

| Number of PFAS | Fluoro group | Number of years in SPR (average value) |
|-------------------|---|--|
| 23 | N-alkyl perfluoroalkyl sulfonamides | 10 |
| 22 | fluorinated (meth)acrylate polymers | 6 |
| 15 | poly/perfluorinated sulfonic/sulfinic acids | 9 |
| 8 | poly/perfluorinated copolymers | 7 |
| 7 | poly/perfluorinated carboxylic acids | 5 |
| 7 | poly/perfluorinated polymers | 6 |
| 6 | poly/perfluorinated alkanes/alkenes | 9 |
| 5 | poly/perfluorinated ethers | 12 |
| 4 | poly/perfluorinated amines | 4 |
| 4 | poly/perfluorinated (meth)acrylates | 9 |
| 4 | fluorinated urethanes polymers | 9 |
| 3 | poly/perfluorinated esters | 10 |
| 3 | poly/perfluorinated thiols | 9 |
| 3 | polytetrafluoroethylene (PTFE) | 11 |
| 3 | poly/perfluorinated ammonium organics | 9 |
| 2 | poly/perfluorinated phosphoorganics | 8 |
| 2 | poly/perfluorinated sulfonamides | 6 |
| 1 | poly/perfluorinated iodides | 3 |
| 1 | poly/perfluorinated siloxanes/silicones/silanes/silicates | 2 |
| 1 | poly/perfluorinated alcohols | 10 |

7.4.3 In expired chemical products (0-100 kg marketed each year in Sweden)

103 of the PFAS named in the Products Register were only found in expired products (do not fulfil the extended requirements for registration). However, the usage patterns for these are still relevant, particularly from an international perspective. These have therefore been compiled and used as surrogate data for those PFAS for which usage information is otherwise lacking. As these uses may be relevant we have listed them below and in Table 15.

- **Impregnating substances for textiles and leather:** (meth)acrylate polymers (C2-18), N-alkyl sulfonamides (C5-9), other polymers, e.g. urethane-based (C4-18), (meth)acrylates (C6-12), alkyl ammonium compounds (C4-7), alkyl sulfonic/sulfinic acids (C8), alkanes/alkenes (C6), alkyl thiols (C8-20), alkyl esters (C8-14).
- **Paint raw material substances:** N-alkyl sulfonamides (C4-9), alkyl ammonium compounds (C4-7), siloxanes/silicones (C4-6), siloxanes/silicones (C2-6), (meth)acrylate polymers (C4-8), fluorinated alkyl iodides (C11).
- **Impregnating substances for paper:** (meth)acrylate polymers (C4-20), (meth)acrylates (C6), alkyl thiols (C4-20), N-alkyl sulfonamides (C8-16), alkyl sulfonamides (C8-16), alkyl phosphates (C8), alkyl esters (C8-14).

- **Metal surface treatment-/surface coating-substances:** (meth)acrylate polymers (C10-20), other polymers (C8), (meth)acrylates (C6) and alkyl sulfonic acids (C6-12), alkyl sulfonamides (C8).
- **Substances in Polish:** (meth)acrylate polymers (C4-14), alkyl sulfonic/sulfinic acids (C8-10), alkyl sulfonamides (C6).

Table 15: Number of PFAS in expired product in the Swedish Products Register (1992-2012, source: Swedish Products Register, SPR, 2015).

| Number of PFAS | Fluoro group | Number of years in SPR (average value) |
|-------------------|--|--|
| 26 | fluorinated (meth)acrylate polymers | 9 |
| 14 | polytetrafluoroethylene (PTFE) | 15 |
| 11 | poly/perfluorinated polymers | 11 |
| 7 | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 15 |
| 6 | poly/perfluorinated alkanes/alkenes | 9 |
| 5 | poly/perfluorinated sulfonic/sulfinic acids | 18 |
| 4 | poly/perfluorinated sulfonamides | 4 |
| 4 | poly/perfluorinated siloxanes/silicones/silanes/silicates | 11 |
| 4 | poly/perfluorinated phosphororganics | 12 |
| 4 | fluorinated urethanes polymers | 15 |
| 3 | poly/perfluorinated ethers | 10 |
| 3 | poly/perfluorinated esters | 11 |
| 3 | polyfluoro siloxane and silicone polymers | 14 |
| 3 | other poly/perfluorinated organics | 8 |
| 2 | poly/perfluorinated alcohols | 16 |
| 1 | poly/perfluorinated alkanoyl/sulfonyl chlorides or fluorides | 2 |
| 1 | poly/perfluorinated copolymers | 18 |
| 1 | poly/perfluorinated thiols | 14 |
| 1 | poly/perfluorinated amines | 22 |

7.5 The European chemicals data base IUCLID

58 PFAS can be found in the IUCLID database (see Table 16). Of these, 14 are said to be used only as raw materials for synthesis, mainly polymers. Information on the use of the majority of these substances is confidential and in most cases very brief.

There are 551 PFAS in the list of substances which industry may consider registering in the future ("pre-registration", REACH pre-registration database 2008). There is no use information to be found here. Unlike the Swedish Products Register, in which the largest group is polymers, the largest group in IUCLID is N-alkyl perfluoralkyl sulfonamides (see Table 16). The difference is that there is no requirement for polymers to be registered under REACH (with certain exceptions), but they should be registered with the Products Register.

 $\textit{Table 16: Registered and pre-registered substances under REACH-number in poly/perfluoro\ groups.}$

| Fluoro group | Registered | Pre-registered |
|--|------------|----------------|
| N-alkyl perfluoroalkyl sulfonamides | 3 | 139 |
| poly/perfluorinated phosphororganics | 2 | 67 |
| poly/perfluorinated sulfonic/sulfinic acids | 2 | 45 |
| poly/perfluorinated carboxylic acids | | 44 |
| poly/perfluorinated alkanoyl/sulfonyl chlorides or fluorides | 3 | 27 |
| poly/perfluorinated alcohols | 2 | 23 |
| poly/perfluorinated amines | 1 | 23 |
| poly/perfluorinated (meth)acrylates | 2 | 22 |
| poly/perfluorinated esters | 1 | 21 |
| poly/perfluorinated sulfonamides | | 18 |
| other poly/perfluorinated organics | 15 | 17 |
| poly/perfluorinated ethers | 10 | 17 |
| poly/perfluorinated alkanes/alkenes | 7 | 17 |
| poly/perfluorinated iodides | 3 | 17 |
| poly/perfluorinated siloxanes/silicones/silanes/silicates | 2 | 15 |
| poly/perfluorinated oxiranes | | 10 |
| poly/perfluorinated thiols | 2 | 9 |
| poly/perfluorinated copolymers | | 6 |
| poly/perfluorinated ethoxylates | | 5 |
| poly/perfluorinated urethanes | | 5 |
| polytetrafluoroethylene (PTFE) | | 2 |
| poly/perfluorinated polymers | 3 | 1 |
| poly/perfluorinated naphthalenes | | 1 |
| Total number | 58 | 551 |

8 Alternative substances, materials and technologies

Summary of Alternative substances, materials and technologies

- The alternatives may be fluorine-free substances, or they may be other materials or technologies.
- Alternatives are primarily found for textiles and fire-fighting foams.
- It is difficult to find alternatives that have the same desirable properties as PFAS.

The alternatives to highly fluorinated substances can be fluorine-free substances which offer similar properties. Entirely different technologies may also be used which do not have the same requirement for chemicals (for example in textiles and fire-fighting foams). As previously described in this report (see section 3.3), highly fluorinated substances have a number of desirable functions. Their unique properties make them to a large degree "irreplaceable" in many applications (Buck et al. 2012). This is probably one reason why very little information can be found on alternatives.

8.1.1 Fluorine-free substances

According to the trade association FluoroCouncil (Holt 2011) fluorine-free alternatives are available for certain applications but they are not always as effective. It can be difficult to find a fluorine-free alternative when it comes to achieving a very low surface tension or where durable water- or grease-repellent properties are required. Table 17 below presents fluorine-free alternatives that are used in various areas of application. In section 8.1.3 we look at identified alternatives for specific areas of application.

Table 17: Fluorine-free alternatives (UNEP/POPS/POPRC.9/INF/11/Rev.1 2013, OECD 2013, MST 2005).

| Group | Uses |
|---|---|
| Propylated aromatics (naphthalenes/biphenyls) | Water-repellent agents for rust prevention systems, marine paints, surface treatments, etc. |
| Fatty alcohol polyglycol ether sulfonates | Levelling and wetting agents |
| Sulfosuccinates | Levelling and wetting agents Wetting agents and dispersants in paints and the surface treatment industry |
| Surface-active hydrocarbons | Photographic industry |
| Siloxane and silicone polymers | Impregnation of textiles, leather and carpets or surface treatment Wetting agents in the paint and ink industries Cleaning agents, polish and car wax Anti-foaming agents |
| Stearamidomethyl pyridine chloride | Impregnation of all-weather textiles, leather and carpets |
| Polypropylene glycol ether, amines, sulfates | Levelling and wetting agents Decorative chrome plating, etc. |

8.1.2 Non-chemical technologies

For some applications alternative technologies can be introduced and replace highly fluorinated substances without any need for other chemicals. In the area of plant protection agents this can, for example, involve biological, physiological or natural control methods for dealing with pests. Another example is foam blankets and other barriers which can be used instead of PFAS as mist suppressants for surface treatment of metals (OECD 2013).

8.1.3 Alternatives for specific areas of application

This section describes alternatives to PFAS in specific areas of application. However, an alternative described for one particular use could possibly have other uses. Most information on conceivable alternatives has been found for textiles and fire-fighting foam, but even here the information is scanty. For other uses, for example decorative chrome plating, there is no longer the same need for highly fluorinated substances.

8.1.3.1 Textiles and leather

With regard to water-repellent properties there are a number of substances that can be used instead of highly fluorinated substances. It is more difficult to find alternatives for grease- and dirt-repellent agents. Those substances most discussed as water-repellent alternatives to fluorine are:

- Silicone-based agents, for example, high molecular weight polydimethylsiloxanes (PDMS). Silicones (or polymerized siloxanes or polysiloxanes) is the general name for inorganic polymers based on chains of oxygen and silicon. Hydrocarbon compounds are bound to these chains. They are resistant to the action of chemicals, are not water soluble and do not conduct electricity.
 In the manufacture of PDMS can be found various cyclic and linear siloxanes such as cyclic octamethylcyclotetrasiloxane (D4, CAS number 556-67-2), decamethylcyclopentasiloxane (D5, CAS number 541-02-6) and dodecamethylcyclohexasiloxane (D6, CAS number 540-97-6). Fluorinated siloxanes
- Mixtures of silicones and stearamidomethyl pyridine chloride, sometimes together with carbamide (urea) and melamine resins.
- Waxes and paraffins, which usually consist of modified melamine-based resins.

(fluoroalkyl siloxanes) are also found in this group.

- Particular structures, so-called dendrimers, that were developed to imitate the ability
 of the lotus blossom to repel water. These structures often occur in nanosize (1 to 100
 nm) and generally comprise hydrophobic, modified, highly branched polymers,
 including polyurethane.
 - According to industry dendrimers confer superhydrophobic properties, which means large contact angles (larger than 150°), that can be used in coatings for textiles, leather, etc. The literature contains a large variety of dendrimers for which a range of different areas of application are described; some of these are fluorinated and some are cationic.

One conceivable alternative non-chemical technology is tightly woven fabrics. Another is the so-called reverse osmosis membrane. The membrane comprises extremely thin films made of polymer materials and is constructed in such a manner that it is highly impermeable to water in liquid form but permeable to water vapour (breathable fabric). An alternative to PTFE is a composite of a hydrophobic polyester and a hydrophilic polymer which forms a microstructure that allows the fabric to "breathe". The reverse osmosis membrane lets the user

feel dry but does not stop the outside of the garment becoming wet. There are commercially available alternatives to PTFE for this application on the international market (Posner 2015).

One example of an international initiative to find fluorine-free alternatives is Huntsman Textile Effects (global supplier of dyes and other chemicals for the textile industry) which started a collaboration with DuPont to develop a new product with water-repellent properties. According to the companies this is the sector's first water-repellent treatment that consists totally of renewable material, 63 percent of which is obtained from plant-based, non-GMO raw materials (Ecotextile News 2015).

In Sweden researchers and industry are working in collaboration in the FORMAS-funded project SUPFES (2015) to find an alternative that can replace harmful fluorinated chemicals in textile. The aim of the research is to assess the risks associated with various chemicals and to ensure that the alternatives do have the desired functions.

8.1.3.2 Paper- and food-packaging

Use of grease-resistant paper started before the introduction of PFOS technology and there are technologies that do not require fluorochemicals. At least one manufacturer has developed a fluorine-free alternative, the Norwegian firm Nordic Paper. It uses a high density paper which prevents the passage of grease through it.

8.1.3.3 Fire-fighting foam

Fire-fighting foam is, as described in section 6.2.3, divided into different classes according to what fire they are intended for: class A foam for fibrous materials and class B foam (in which PFAS are found) for fires involving liquids. According to the Swedish Civil Contingencies Agency various alternative solutions should replace the majority of all uses of foams for fire extinguishing as these can involve negative effects for both humans and the environment (Swedish Civil Contingencies Agency 2015).

Nowadays Class A foam or water is used as the extinguishing agent for fires in buildings. If water is used at high pressure (200-300 Bar) it creates a mist of many small water droplets which has an effective extinguishing effect. It both cools smoke gases and reduces oxygen levels. To prevent any re-ignition and protect neighbouring buildings an agent is added which comprises inorganic salts (such as ammonium, phosphates, sulfates and chlorides). According to studies these salts reduce the size of water droplets by a factor of at least four, thereby making the mist more effective. Additives also have a cooling effect.

As stated by the Swedish Civil Contingencies Agency it is important for the incident commander at a fire to assess whether or not to try to extinguish the fire. Extinguishing can cause major environmental damage and it may be better to allow the fire to burn in a controlled manner.

For example, petroleum fires are tackled by using Class B foam to "put a lid on" the fire. Most foam products for Class B fires contain highly fluorinated substance and according to the Swedish Civil Contingencies Agency fire-fighting foam products need to be developed. One possible approach is to develop mist fire-suppression systems with additives, even for liquid fires. Another way is to develop an entirely new technology, such as expanded glass (Pyrobubbles), which is currently being studied.

There are various fluorine-free Class B foams on the Swedish market. An example is protein-based or detergent-based fire-fighting foam (Swedish Chemicals Agency 2015a). In 2011 the new fire-fighting foam Moussol-FF 3/6 was introduced at Swedavia's airports (Arlanda,

Landvetter, etc.). It is used in both training and emergency call outs. According to Swedavia the product is broken down to carbon dioxide and water in the environment. It is also effective in the sort of fire suppression required at airports where high safety standards have to be maintained (Fridlund 2014).

According to manufacturers and some users, fluorine-free fire-fighting foams do not have as good an extinguishing effect as foams with fluorosurfactants (Fomtec 2015). Compared with fluorine-based fire-fighting foams (AFFF foams) around twice as much water and foam concentrate are required when extinguishing liquid fires. According to some analyses fluorine-free fire-fighting foams may give less protection against re-ignition which means that the fire may flare up without warning (Fomtec 2015). There are operations whose standards are such that current fluorine-free fire-fighting foams are not acceptable alternatives. One example is the Swedish Armed Forces which, in the event of a fire, allows 90 seconds to reach the location and a maximum of 90 seconds to cool down the cockpit (Borgh 2014). According to the Swedish Armed Forces it is difficult to find fluorine-free alternatives which meet these safety requirements. However, fluorine-free detergent foam is used in training.

The fire-fighting foams manufacturer Solberg distributes fire-fighting foams in a number of countries in the EU, but not in Sweden (Swedish Chemicals Agency 2015a). The company has developed a fluorine-free foam concentrate, RE-HEALINGTM, which is a mixture of hydrocarbon surfactant, water, solvent, sugar, preservative and a corrosion inhibitor. This is produced for use at concentrations of 1, 3 or 6 percent to control Class B fires. According to the manufacturer the presence of complex carbohydrates gives the foam a much greater capacity to absorb heat than fluorine-based foams (Solberg 2015).

Various fluorine-free alternatives have also been recorded in several reports in the Stockholm Convention. The fire-fighting foams mentioned are silicone- and hydrocarbon-based surfactants, synthetic detergent foams and protein-based foams. However, these fluorine-free fire-fighting foams are often used in combination with fluorosurfactants (UNEP/POPS/POPRC.8/INF/17/Rev.1 2012).

8.1.3.4 Surface coating of metal (hard- and decorative-chrome plating)

There are fluorine-free alternatives (aminoethanol, CAS number 141-43-5 and alkyl sulfonates which are marketed under the name TIB Suract CR-H) but they do not appear to be as effective and currently have only a small market share. One problem is that fluorine-free alternatives are broken down in a chrome bath and therefore need to be constantly replenished.

There are also alternative technologies such as foam blankets and other barriers that can be used to inhibit misting. Combined with increased ventilation these alternative technologies reduce mist formation so much that there should be no need to use PFOS and PFAS to reduce mist formation. A closed system or increased ventilation combined with extraction of chromium (VI) have been proposed as alternative solutions where chromium (III) technology not yet functions (European Commission 2015a).

8.1.3.5 Hydraulic systems in the aviation industry

There are some hydraulic fluids which do not contain fluorochemicals. However, according to reports produced within the framework of the work with the Stockholm Convention (UNEP/POPS/POPRC.9/INF/11 2013), they can damage metal components in hydraulic systems. The degree of acidity needs to be constantly monitored as this determines the lifetime of the fluid. It is said that the search for alternatives has been going on for 30 years

but because of confidential business information it is difficult to discover whether fluorinated compounds are involved and, if so, exactly what they are.

8.1.3.6 Photographic & Electronic equipment and components

According to reports from the work with the Stockholm Convention (UNEP/POPS/POPRC.9/INF/11 2013) alternatives are being developed in this area.

Because of the development of digital technologies the use of photographic film has decreased markedly. Those alternatives identified under the Stockholm Convention (UNEP/POPS/POPRC.9/INF/11/Rev.1 2013) are:

- Hydrocarbon-based surface-active substances
- · Silicone chemicals

9 Discussion and Conclusions

Summary of Discussion and Conclusions

- There is a wide range of substances as well as substantial development of new substances and areas of application.
- A significant lack of available information means that this survey does not give a complete picture.
- The Swedish Chemicals Agency therefore intends to look at an expanded requirement for reporting to the Swedish Products Register. We also intend to examine how this can be managed at an EU level.
- Existing knowledge indicates to us that the use of PFAS in fire-fighting foam is what most urgently needs to be addressed and we are therefore reviewing the regulations and other measures relating to fire-fighting foam.
- The survey has identified many lesser known uses, such as cosmetics, dental restorative materials and smudge-repellent surface treatment for smartphones.
 The Swedish Chemicals Agency intends to monitor developments in these areas.
- The pattern of usage shows that the flow of used PFAS into the waste management stage is substantial which means it should be ensured that waste management is properly implemented.
- The lack of alternatives to PFAS shows a need for technological development. Alternatives have mainly been found for fire-fighting foams and textiles.

The range of different PFAS available on the world market was much greater than expected. This meant that a deeper analysis of the use of various substances was not possible. Instead of focusing only on a limited number of substances with more or less known applications, the focus was extended to obtain an overview of the previously unknown diversity of substances on the market.

This assignment is aimed at end uses, i.e. the end use of PFAS in articles and chemical products. The survey shows that highly fluorinated substances have a very extensive range of uses and can be used in many different applications. Some areas of application are already well known, for example textiles and fire-fighting foams. Other areas are less well known. Amongst the "new" areas mentioned are:

- · cosmetics additives,
- dental restorative material and
- use in electronics (e.g., coolants and dirt-repellent agents for smartphones and solar cells).

The technological potential of these highly fluorinated substances has probably not yet been fully exploited on the international market. It is therefore likely that they will appear in new areas of application in the future. Surveys of how highly fluorinated substances are used can therefore quickly become out of date.

It is evident from current knowledge and from concentrations measured in the environment that the most problematic use is in fire-fighting foam. The Swedish Chemicals Agency is therefore examining the need for regulation and other measures and will present proposals to the government in spring 2016. We will also continue to monitor how PFAS are used in other areas and, where necessary to add to and analyse this information. Some areas of application

are in part the responsibility of other authorities and therefore our existing collaboration with other relevant authorities (the Swedish Environmental Protection Agency, the National Food Agency, the Geological Survey of Sweden, the Swedish Geotechnical Institute, the Swedish Agency for Marine and Water Management and the Swedish Civil Contingencies Agency) is important.

There are a large number of PFAS on the world market (>3000). There is only a limited amount of information on total quantities and the extent of usage in various areas of application. This does not come as a surprise as many highly fluorinated substances enter the EU and Sweden through the import of articles (for example, textiles) and for the most part these are not monitored. Less than 2 percent of the 3000 highly fluorinated substances are registered under Reach. Forecasts of future registrations (the latest round of registrations will be completed in 2018) indicate that a substantial proportion of all PFAS will still be unregistered (>80 percent). Even though the Swedish Products Register includes more PFAS, it covers at most 4 percent of internationally available PFAS. An important reason for the low representation of PFAS in the EU and Swedish registers is that these substances are very potent which means that they are normally used at low concentrations. This can mean that they do not need to be registered under REACH or in the Swedish Products Register. Additive substances at below 5 percent do not normally need to be recorded in the Swedish Products Register³³; this is usually well above the effective concentration for a highly fluorinated substance. The low level of usage means that the majority of PFAS on the market have an annual tonnage in the EU which is below the registration threshold under REACH (>1 tonne per company per year, from and including June 2018). The Swedish Chemicals Agency intends to examine the possibility of an expanded requirement for reporting to the Products Register for the group PFAS. An expanded requirement should make it easier to find information on which highly fluorinated substances are used in Sweden. The Swedish Chemicals Agency will work further to get an EU strategy in place for PFAS which will take into account problems with low volumes of use.

There are almost endless possibilities for designing polymers that contain perfluorinated chains and this is therefore difficult to monitor and regulate. Over time the first generations of PFAS with 7-8 perfluorinated carbon chains have been complemented with more complex PFAS molecules. Moreover, it has been observed that straight chain PFAS can also to a greater or lesser degree be contaminated with branched variants. PFAS with mostly branched chains are also available on the world market. A large number of PFAS in polymer form have been identified in this report, above all in material surface treatment. It is expected that many of these are broken down to other PFAS over time.

There is a relatively large group of perfluorinated substances which lack functional groups³⁴. In many cases these are probably end products and are used in many sectors of the community. They can include, for example, solvents, emulsion stabilizers in cosmetics, freons and coolants for electronics. It is expected that, like other perfluorinated substances, substances in this group are extremely persistent. The lack of a functional group will probably affect their surface-active properties.

³³ The threshold for reporting to the Swedish Products Register is 100 kg per product per year. Those highly fluorinated substances that are not classified as hazardous only need to be reported to the Register if the concentration is more than 5 percent.

³⁴ Circa 58 are found on the market. By functional group we mean a group of atoms which has a major effect on the molecule's properties. Examples of functional groups are an -OH bound to a hydrocarbon chain (this gives an alcohol) and the carboxyl group -COOH which gives a carboxylic acid.

Another identified group is PFAS with extra-long perfluorinated carbon chains (C>15). As well as being very persistent, their hazard characteristics are to a greater or lesser degree unknown.

The identity of a PFAS is often difficult to determine. Many contain isomer mixtures. Sometimes this is indicated in the name of the substance as this includes the range of perfluorinated chain lengths (around 14 percent of the substances found). There are ranges of up to 1-24 carbons (C1-24). The reason for giving intervals could be that fewer raw materials and/or imprecise synthesis methods are used. The large ranges create difficulties in work to regulate the use of PFAS, etc., as REACH legislation mainly deals with individual substances.

Our calculations indicate that at present less than 5 percent³⁵ of the identified substances are covered by some form of EU regulation. The REACH candidate list includes six long-chain carboxylic acids and the POPs regulation governs PFOS and substances that can be broken down to PFOA. If PFOA and substances that can be broken down to PFOA are restricted in the EU³⁶ and expected perfluorinated substances appear on the candidate list, there will be a further 3 percent. This means that less than 8 percent of the highly fluorinated substances are regulated or are about to be regulated within the EU.

An analysis of trends over time for how PFAS are introduced onto the market shows a complex picture. From their international identity numbers (CAS number) it appears that most PFAS that are available on the market were allocated their identity number before the year 2000. The number of PFAS with new identity numbers has fallen to nearly zero over the period 2000-2014. There could be a number of reasons for this. It could be that there is now almost no production of new PFAS. However, statistics for international patents indicate a steady influx of new patents for the development of new PFAS technologies (i.e., the development of new PFAS or the modification of existing PFAS). Another explanation could be that, once a substance group becomes associated with undesirable environmental properties, it is more likely that manufacturers will decide not to request CAS numbers for its substances. If companies decided against CAS numbers this might be due to a desire, at least in the first instance, to maintain a low profile with regard to competing manufacturers. It would appear from, amongst other things, statistics based on regulatory registers for industrial chemicals and cosmetics additives in the EU, that a substantial portion of existing PFAS (about half) are not marketed with CAS numbers.

The fact that many PFAS lack CAS numbers causes problems of identification, as the naming of substances in this group is very variable. It is often difficult to identify and categorize substances such as PFAS from the name only.

This survey has confirmed that industry (leastways in North America, Europe and Japan³⁷) has switched from highly fluorinated substances with carbon chains containing at least seven or eight perfluorinated carbons (for example PFOS, PFOA and 8:2 FTOH) to shorter carbon chains (mainly based on six perfluorinated carbons, such as 6:2 FTOH) and perfluoro ethers, such as perfluoropolyethers, PFPE). A switch to shorter carbon chains probably means increased volumes of PFAS on the market, as higher concentrations of substances with shorter carbon chains are required to achieve the same effect as produced by substances with longer carbon chains. If PFOS and PFOA (and substances that can be broken down to these), whose

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³⁵ Based on a total of 3000 substances, which is assumed to be an underestimate.

³⁶ The REACH restriction proposal that is under discussion. By PFOA here we mean PFOA, its ammonium salt and identified telomers that can be broken down to PFOA.

³⁷ As a result of regulations and the voluntary American Stewardship Program the majority of large manufacturers in North America, Europe and Japan have switched to substances with shorter chain lengths.

volumes of use are recorded in this report (see section 6.1.4), are replaced by other highly fluorinated substances, this will presumably mean higher volumes.

The lack of information on how and where PFAS are used makes it difficult to assess how the market is developing. Certain trends can be deduced from patent databases. Patent information indicates a strong growth in recent times in patents for using existing PFAS in more or less new areas of application (see section 7.3). However, patent proposals for new and modified PFAS show a more uniform development (circa 150 PFAS patents per year).

In the Swedish Products Register it is possible to see changes in chemicals management in Sweden (≥1992). This is most apparent for industrial intermediates (concentrates), primarily in the surface treatment of textiles. This register information shows a clear reduction in usage. The reasons are probably both regulatory and structural (e.g., the closure of the Swedish textile industry). However, the Products Register only includes chemical products (such as fire-fighting foam and impregnating agents) and not articles (such as textiles and paper packaging); PFAS-treated articles enter the Swedish market through imports. Fewer register entries for PFAS in the Products Register therefore does not indicate that the amount of PFAS on the Swedish market is decreasing.

As described in section 6 there are many examples of studies that have analysed PFAS in various chemical products and articles. As generally only a few PFAS are analysed there is a risk that the results do not give a complete picture. To obtain a fuller picture one needs more comprehensive analyses of screening character or analyses of the total content of organic fluorine.

This assignment focuses on end uses, i.e., the end use of PFAS in articles and chemical products where the next stage in the chain of use is waste management. Because of the wideranging use of these extremely persistent substances, we perceive that the management of material waste produced is important. Incineration at high temperatures (at least 1100°C) generally breaks down PFAS to carbon dioxide and hydrogen fluoride. However, within the scope of this survey we have come no closer to determining the best manner in which to handle the waste.

This survey shows that there is substantial development potential for alternatives to highly fluorinated substances. For some applications there are neither fluorine-free alternatives nor alternative methods. This is probably due to the unique properties of highly fluorinated substances which are therefore regarded as irreplaceable in many applications. One question that can be asked is whether these properties are really required for all applications. For example, use in textiles could be limited to clothing for occupational and protective purposes.

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Appendix 1: Abbreviations and explanations

| Highly fluorinated substances | Includes both fully and partially fluorinated carbon chains. |
|---|---|
| PFAS | Perfluorinated and polyfluorinated alkyl substances (PFAS) |
| Perfluorinated substances | Fully fluorinated organic substances, i.e., consisting of a carbon chain in which each hydrogen atom has been replaced by a fluorine atom. They are extremely persistent. |
| Polyfluorinated substances | Partially fluorinated organic substances, i.e., the carbon chain still contains some hydrogen atoms. They are not as stable as perfluorinated substances but can be broken down to perfluorinated substances. |
| Telomer | Partially fluorinated substances: part of the carbon chain is fully fluorinated, another part is a hydrocarbon. Can be broken down to perfluorinated substances. |
| End use | The final use of a chemical before it enters the waste management stage of the usage chain. |
| Precursors (to a perfluorinated substance, X) | Other highly fluorinated substances that can be converted to substance X. |
| Electrochemical fluorination, ECF | Manufacturing process for highly fluorinated substances |
| Telomerization | Manufacturing process for highly fluorinated substances |
| Telogen | Perfluorinated molecule which reacts with a taxogen in the first step in telomerization |
| Taxogen | Unsaturated molecule which reacts with a telogen in the first step in telomerization |
| Emulsion polymerization | Polymerization which normally begins with an emulsion that contains water, monomer and surface-active substance |
| PASF | Perfluoroalkyl sulfonyl fluoride which is a raw material in the production of perfluoroalkyl sulfonic acids (PFSA) |
| PFCA | Perfluoroalkyl carboxylic acids |
| PFBA | Perfluorobutanoic acid |
| PFPeA | Perfluoropentanoic acid |
| PFHxA | Perfluorohexanoic acid |
| PFHpA | Perfluoroheptanoic acid |
| PFOA | Perfluorooctanoic acid |
| PFOA-related substances | All substances that can be broken down to PFOA |
| APFO | Ammonium pentadecafluorooctanoate (ammonium salt of PFOA) |
| PFNA | Perfluorononanoic acid |
| PFDA | Perfluorodecanoic acid |
| PFUnDA | Perfluoroundecanoic acid (Heneicosafluoroundecanoic acid) |
| PFDoDA | Perfluorododecanoic acid (Tricosafluorododecanoic acid) |
| PFTrDA | Perfluorotridecanoic acid (Pentacosafluorotridecanoic acid) |
| PFTeDA | Perfluorotetradecanoic acid (Heptacosafluorotetradecanoic acid) |
| PFSA | Perfluoroalkyl sulfonic acids |
| PFBS | Perfluorobutane sulfonate |
| PBSF | Perfluorbutane sulfonyl fluoride |
| PFHxS | Perfluorohexane sulfonate |
| PHxSF | Perfluorohexane sulfonyl fluoride |
| PFOS | Perfluorooctane sulfonate |
| | |

| POSF | Perfluorooctane sulfonyl fluoride (starting material in PFOS manufacture) |
|-------------------------|--|
| PFOS-related substances | All substances that can be broken down to PFOS |
| FEP | Fluorinated ethylene propylene (fluoropolymer) |
| FTA | Fluorotelomer acrylates: intermediates in polymer production. Can be broken down to PFCA. |
| FTOH | Fluorotelomer alcohols: components in commercial products that can be broken down to PFCA |
| FTS | Fluorotelomer sulfonates: precursors to 6:2 FTS are used as alternatives to PFOS in fire-fighting foam. Can be broken down to PFCA. |
| PFA | Perfluoroalkoxyl polymer (fluoropolymer) |
| PFPE | Perfluoropolyethers |
| PTFE | Polytetrafluoroethylene (fluoropolymer) |
| PVDF | Polyvinylidene fluoride (fluoropolymer) |
| PAPs | Polyfluoroalkyl phosphate esters |
| diPAPs | Polyfluoroalkyl phosphate diesters |
| S-diPAPs | Sulfur-based polyfluoroalkyl phosphate diesters |
| CX | PFAS with X number of perfluorinated carbons (at least two fluorine atoms bonded to one carbon atom), e.g., 6:2 FTOH = C6, PFBS = C4. |
| CX-Y | Range of lengths for perfluorinated carbon chains, e.g., C4-8 |
| CMR | Carcinogenic, mutagenic, reprotoxic (CMR) substances |
| CSR | The chemical safety report (CSR) records the chemical safety assessment and is a part of the REACH registration process in which the registrant demonstrates that risks from exposure to a substance are controlled. |

Appendix 2: Highly fluorinated substances found on the world market 2014-2015

| CAS-number | EC-number | Name | Per/polyfluoro group | Perfluoro chain length Min. | Perfluoro chain length n. Max. |
|-------------------------|-----------|--|---|--------------------------------|--------------------------------------|
| 923298-12-8 | | | poly/perfluorinated POLYMERS | 4 | 4 |
| 940891-99-6 | | | poly/perfluorinated POLYMERS | 4 | 4 |
| 949581-65-1 | | | poly/perfluorinated POLYMERS | 4 | 4 |
| 207574-77-4 | | (1-Propanamine, 2-(trimethoxysilyl), reaction products with reduced methanol-peroxidized poly(tetrafluoroethylene) | poly/perfluorinated POLYMERS | | |
| 3-00-8 | | (3.3.4.4.5.5.6.6.7.7.8.8.4ridecafluorooctyl) phosphates, ammonium salts, reaction mass of, mixed | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| | | [3-[dialkyl[3][(3.3.4.4.5.5.6.6.7.7.8.8.8-tridecafluoroocty)]sulfonyl[amino]propyl)ammonio]-1,2-disubstituted propane) | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 75888-49-2 | | alpha(Heptafluoromethylethyl)omega[1,2,2,2-tertafluoro-1-[(2-hydroxyethyl)amino]carbonyljethoxy]potly[oxy[trifluoro(trifluoromethyl)-1,2-ethanediyl]]- | poly/perfluorinated POLYMERS | 4 | 4 |
| 110-39-5 | | alphaFluoro-omega[2-[(1-xxx-2-propenyl)xxy]ethyl]-poly(difflorormethylene), polymer with 2-hydroxy-N-substituted-3-[(2-methyl-1-xxx-2-propenyl)xxy]-1-propenammonium chloride | poly/perfluorinated POLYMERS | | |
| 110-37-3 | | alphaFluoro-omega[2-[(1-oxo-2-propenyl))oxy]ethyl]poly(difluoromethylene), polymer with 2-propentirile, 2-methyl-2-propenoic acid 3,6,9,12,15,18,21,24,27-nonaoxaoctacos-l-yl ester and .alpha(2-ethyl-1-oxo-2-propenyl)-omega((2-methyl-1-oxo-2-propenyl)-omega(2-methyl-1-oxo-2-propenyl)-omega(1-methyl-1-oxo-2-propenyl)-oxo-2-propenyl-oxo- | poly/perfluorinated POLYMERS | | |
| 110-38-4 | | alpha-Fluoro-omega-[2-{(1-oxo-2-propenyl)oxy}ethyl1-poly(difluoromethylene), polymer with 2-propenoic acid octadecyl ester, 2-propenoic acid 2-hydroxyethyl ester and poly(oxyalkylene)-mono(2-methyl 2-propenoate) | Fluorinated (meth)acrylate polymers | | |
| 110-36-2 | | alphaFluoroomega[2-{[1-xxo-2-propenyl)oxy]ethyl]-poly(difluoromethylene), polymer with chloroethene, (Z)-2-butenedioic acid bis(2-ethylhexyl)ester and N-(substituted methyl)-2-propenamide | poly/perfluorinated POLYMERS | | |
| 114-97-4 | | ; Fluoro 4; [2-{(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), polymer with 2-methyl-2-propenoic acid phenylmethyl ester, (Ü)-2-butenedioic acid bis(2-ethylhexyl) ester and 2-methyl-2-propenoic acid 2-(heteromonocycle)ethyl ester | poly/perfluorinated POLYMERS | 1 | 99 |
| 115-04-2 | | ;Fluoro-F[2-{(2-methyl-1-oxo-2-propeny)[xxy]ethyl[poly(diffuoromethylene), polymer with 2-methyl-2-propenoic acid 1,1-dimethylethyl ester and 2-methyl-2-propenoic acid 2,-(heteromonocycle)ethyl ester | poly/perfluorinated POLYMERS | 1 | 99 |
| 114-98-5 | | ;Fluoro-F[24(2-methyl-1-oxo-2-propenyl)oxy ethyl poly(difluoromethylene), polymer with 2-methyl-2-propenoic acid octadecyl ester and 2-methyl-2-propenoic acid 2-(heteromonocycle)ethyl ester | poly/perfluorinated POLYMERS | 1 | 99 |
| 691358-66-4 | | 1-(9H-Fluoren-2-yl)-2.2.3,3.4.4.5.5,6.6,7.7-dodecafluoro-1-heptanone O-((nonafluorobutyl)sulfonyl)oxime | OTHER poly/perfluorinated ORGANICS | 4 | 6 |
| | 430-250-1 | 1,1,1,3,3-pentafluorobutane | poly/perfluorinated ALKANES/ALKENES | 2 | 2 |
| | 442-390-9 | 1,1,2,2,3,3-bexafluoro-1-trifluoromethoxy-3-trifluoroxinyloxypropane | poly/perfluorinated ETHERS | 1 | 3 |
| 28501-21-5 | | 1,1,3-Trihydroperfluoropropyl acrylate-Styrene copolymer | Fluorinated (meth)acrylate polymers | 3 | 3 |
| 105462-77-9 | | 1.1'-Bicyclohexyl, 1.1'.2,2.2',3,3,3',4,4,4',4',5,5',6,6,6'-eicosafluoro-5,5'-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| 214334-16-4 | | 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, 1,2-bis(2-octyldodecyl) 3-(3,3,4,4,5,5,6,6,7,7,7-undecafluoroheptyl) ester ("Dioctyldodecyl Fluoroheptyl Citrate") | poly/perfluorinated ESTERS | 5 | 5 |
| 125304-20-3 | | 1.2.4.5 Benzenetertacurboxylic acid, 1.4-dimentyl ester, polymer with 1.5-dimentyl dihydrogen 1.2.4.5 Senzenetertacurboxylate and 4.4-[[2.2.2-trifluoro-1-(trifluoromethyl)ethylidene]bis(4.1-phenyleneoxy)]bis(benzenamine] | poly/perfluorinated POLYMERS | _ | |
| 68954-01-8 | | 12,4.5 Senzenettracarbovylic acid, mixed 3-thloro-2-hydroxypropyl and .gammaomega-perfluoro-C8-10-alkyl esters | poly/perfluorinated ESTERS | 8 | 10 |
| 119478-92-1 | | 1.2-Benzendicarboxylic acid, 4.4'carbonylbis, arar'-dimethyl ester, polymer with 4.4'-[12.2-3-tifluoro-1-(uffluoromethyl)ethylidene]bis(4.1-phenyleneoxy)]bis[benzenamine] | poly/perfluorinated POLYMERS | | - |
| 54009-74-4 | | 1.2-Dodecanediol. 4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.12.12-to-nonadecafluoro-, I-(dihydrogen phosphute) | poly/perfluorinated PHOSPHOORGANICS | 9 | 9 |
| 68515-70-8 | | 1,2-Ethanediol, reaction products with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethylene), hexakis(methoxymethyl)melamine and polyethylene glycol | poly/perfluorinated POLYMERS | | 1 |
| 94200-43-8 | | 1.2-Heptadecanediol. 4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.17-nonacosafluoro-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 14 | 14 |
| 94200-48-3 | | 1.2-Heptadecanediol, 44.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.17-nonacosafluoro-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 14 | 14 |
| 63295-29-4 | | 1.2-Heptadecanediol, 4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.17.17.17-octacosafluoro-16-(trifluoromethyl)-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 15 | 15 |
| 94200-52-9 | | 1.2-Heptadecanediol, 4,4,5,5,6,6,7,7,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,7-octacosafluoro-16-(trifluoromethyl), 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 15 | 15 |
| 94200-44-9 | | 1.2.Nonadecanediol. 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-tritriacontafluoro-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 16 | 16 |
| 94200-49-4 | | 1.2-Nonadecanediol, 4.4,5.5.6.6.7.7.8.8,9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.19-tritriacontafluoro-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 16 | 16 |
| 94200-53-0 | | 1.2-Nonadecancefiol, 44.5.5.6.6.7.7.8.8.9.9.10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,19,19,19-dotriacontafluoro-18-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 17 | 17 |
| 105416-14-6 | | 1.2 Nonanediol, 4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| 94200-42-7 | | 1.2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 94200-47-2 | | 1.2-Pentadecanediol, 4.4.5.5.6.6.7.7.8.8.9.9.10,10,11,11,12,12,13.13,14,14,15.15-15-pentacosafluoro-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 63295-28-3 | | 1.2-Pentadecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 13 | 13 |
| 94200-51-8 | | 1.2-Pentadecanediol, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 10, 10, 11, 11, 12, 12, 13, 13, 14, 15, 15, 15-tetracosafluoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 13 | 13 |
| 94158-70-0 | | 1.2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-, 1 (dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 94200-46-1 | | 1.2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 63295-27-2 | | 1.2-Tridecanediol, 4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,13,13,13-cicosafluoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 94200-50-7 | | 1.2-Tridecanediol, 4,4.5,5,6.6,7.7,8,8.9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 94159-84-9 | 303-265-3 | 1.2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro- | poly/perfluorinated ALKOHOLS | 8 | 8 |
| 94200-45-0 | | 1.2-Undecanediol, 4,4,5,5,6,6,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 170004-70-3 | | 1.2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-, 1,1-'(hydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 67824-44-6 | | 1.2-Undecanediol, 4,4.5,5,6.6,7.7,8.8,9.9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- | poly/perfluorinated ALKOHOLS | 9 | 9 |
| 63295-18-1 | | 1.2-Undecanediol, 4.4.5.5,6.6,7.7.8.8,9.9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 9 | 9 |
| 63295-20-5 | | 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10(trifluoromethyl)-, 1,1'-(hydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 9 | 9 |
| 94158-69-7 | | 1,2-Undecanediol,4,4,5,5,6,6,7,7,8,9,9,10,10,11,11,11-heptadecafluoro-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 54009-73-3 | | 1.2-Undecanediol, A.4.5, 5, 6, 6, 7, 8, 8, 9, 9, 10, 11, 11, 11-hexadecafluoro-10-(trifluoromethyl)-, 1-(dihydrogen phosphate) | poly/perfluorinated PHOSPHOORGANICS | 9 | 9 |
| 106796-59-2 | | 1.3.5.2.4.6-Triazatriphosphorine, 2.2.4.4.6.6-hexalydrotris(2.2.3.3.4.4.5.5-octafluoropentyl)oxy tris(2.2.3.3.3-pentafluoropropoxy)- | poly/perfluorinated ETHERS | 2 | 4 |
| 57101-59-4 | 260-560-9 | 1.3.5-Triazine, 2.4.6-tris(nonadecafluorononyl)- | poly/perfluorinated AMINES | 9 | 9 |
| 21674-38-4 | 244-521-3 | 1,3.5-Triazine, 2,4,6-tris(pentadecafluoroheptyl)- | poly/perfluorinated AMINES | 7 | 7 |
| 73019-20-2 | | 1,3-Benzenedicarboxamide, N3-[2-1](heptadecafluorooctyl)sulfonyl methylamino ethyl -N1-[2-1](heptadecafluorooctyl)sulfonyl propylamino ethyl -4-methyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 96210-37-6 | | 1,3-Benzenedicarboxylic acid, 5-{(heptadecafluorononeny)}oxyl- | poly/perfluorinated ETHERS | 8 | 8 |
| | 290-613-1 | 1.3-Benzenedimethanamine, reaction products with [(1.1,2,2-tetrafluoroethoxy)methyl]oxirane | poly/perfluorinated POLYMERS | 1 | |
| 119275-54-6 | | 1.3-Benzofurandione, 5.5-[2.2.4:rifluoro-1-(trifluoromethyl)ethylidene]bis-, polymer with 3.3 ^a [1.3-phenylenebis(oxy)]bis[benzenamine], 3-ethenylbenzenamine-terminated | poly/perfluorinated POLYMERS | | |
| | | 1,3-benzourandrone, 3,5-[2,2,2-trituoro-1-(trituoronieuty)/entyndenejois-, porymer with 3,5-[1,5-pnentyneneois(oxy)/pis/penzenannine-terminated | | | |
| 384-04-3 | | 1.3-Betadiene, 2.3-4.2-seminoto-(minotoneu) joury morie pres, poymer wim 3.3-41.3-pieney secretory jusq octazinamie, 3.5-eminotoneu jusque minotoneu jusque min | 1.71 | 4 | 4 |
| 384-04-3 644965-83-3 | | 1,3-Butadiene, 1,1,2,4,4-pentufluoro-3-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| | | | 1.71 | 4 | 10 |

Sid 78

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|--|---------------------------|--|--|----|----|
| Miles Mile | 94159-90-7 | 1,3-Dioxolane, 4-[2,2,3,3,4,5,5,6,6,7,7,8,9,9,9-hexadecafluoro-8-(trifluoromethyl)nonyl]-2,2-dimethyl- | OTHER poly/perfluorinated ORGANICS | 9 | 9 |
| | 161611-79-6 | 1,3-Dioxole, 2,2.4-trifluoro-5-(trifluoromethoxy) polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| | 559-94-4 | 1,3-Hexanedione, 4,4,5,5,6,6-heptafluoro-1-(2-thienyl)- | OTHER poly/perfluorinated ORGANICS | 3 | 3 |
| | 68738-83-0 | 1,3-Isobenzofurandione, 5,5-{2,2,2-trifluoro-1-(trifluoromethyl)ethylidene bis-, polymer with 1,3-benzenediamine and 1,4-benzenediamine | poly/perfluorinated POLYMERS | | |
| | 69531-41-5 | 1,3-Isobenzofurandione, 5,5-{2,2,2-trifluoro-1-(trifluoromethyl)ethylidene[bis-, polymer with 1,4-benzenediamine and 4,4'-oxybis[benzenamine] | poly/perfluorinated POLYMERS | | |
| | 87182-96-5 | 1,3-Isobenzofurandione, 5,5*1[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, polymer with 4,4*[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis[benzenamine] | poly/perfluorinated POLYMERS | | |
| | 32240-73-6 | 1,3-Isobenzofurandione, 5,5-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene[bis-, polymer with 4,4'-oxybis[benzenamine] | poly/perfluorinated POLYMERS | | |
| | 103443-55-6 | 1,3-Isobenzofurandione, 5,5-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene[bis-, polymer with 4,4'-oxybis[benzenamine] and 4,4'-sulfonylbis[benzenamine] | poly/perfluorinated POLYMERS | | |
| | 69577-65-7 | 1,3-Isobenzofurandione, 5,5'-carbonylbis-, polymer with 4,4'-[[2,2,2-trifluoro-1-(trifluoromethyl)ehylidene]bis(4,1-phenyleneoxy)]bis[benzenamine] | poly/perfluorinated POLYMERS | | |
| | 183733-69-9 | 1.3-Isobenzofurandione, 5.5-42.2.2-trifluoro-1-(trifluoromethyl)ethylidene]bis-polymer with a-{(3-aminopropyl)dimethylsilyl]-os[[(3-aminopropyl)dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], 4.4-diamino[1,1'-bipbenyl]-3.3'-diol and 4.4-4(1-methylethylidene | poly/perfluorinated POLYMERS | | |
| | 65530-78-1 | 1,3-Propanediamine, N,N-dimethyl-, compd. with .alpha., .alpha. '-[phosphinicobis(oxy-2,1-ethanediyl)]bis[.omegafluoropoly(difluoromethylene)] (1:1) | poly/perfluorinated POLYMERS | | |
| | 65530-80-5 | 1,3-Propanediamine, N.N-dimethyl-, compd. with .alphafluoro-omega[2-(phosphonooxy)ethyl]poly(difluoromethylene) (1:1) | poly/perfluorinated POLYMERS | | |
| | 65530-79-2 | 1,3-Propanediamine, N.N-dimethyl-, compd. with .alphafluoro-omega[2-(phosphonooxy)ethyl]poly(difluoromethylene) (2:1) | poly/perfluorinated POLYMERS | | |
| | 144468-31-5 | 1,3-Propanediol, 2,2-bis(tromomethyl)-, reaction products with ethanethiol-tetrafluoroethylene telomer | poly/perfluorinated POLYMERS | | |
| | 144468-32-6 | | poly/perfluorinated COOPOLYMERS | | |
| | 1-74-5 | 1,3-Propanediol, 2,2-bis{(.gammaomega-perfluoro-C4-20-alkylthio)methyl- | poly/perfluorinated TIOLS | 4 | 20 |
| | 148240-88-4 | 1,3-Propanediol, 2,2-bis[f(.gammaomegaperfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates | poly/perfluorinated PHOSPHOORGANICS | 10 | 20 |
| | 148240-84-0 | 1,3-Propanediol, 2,2-bis[[(.gammaomegaperfluoro-C4-10-alkyl)thio methyl] derivs., phosphates | poly/perfluorinated PHOSPHOORGANICS | 4 | 10 |
| | 148240-86-2 | 1,3-Propanediol, 2,2-bis[[(_gamma omegaperfluoro-C6-12-alkyl)thio]methyl] derivs., phosphates | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| | 1078142-10-5 | 1,3-Propanediol, 2,2-bis[[.gammaomega-perfluoro-C6-12-alkyl)thio]methyl] derivs., polymers with 2,2-bis[[.gammaomega-perfluoro-C10-20-alkyl)thio]methyl]-1,3-propanediol, 1,6-diisoxyanato-2,2,4(or 2,4,4)-trimethylhexane, 2-beptyl-3,4-bis[9-isoxya | Fluorinated urethanes polymers | 6 | 12 |
| | 148240-89-5 | 1,3-Propanediol, 2,2-bis[(gamma-omega-perfluoro-C10-20-alky)hhio]methyl] derivs, phosphates, ammonium salts | poly/perfluorinated PHOSPHOORGANICS | 10 | 20 |
| | 148240-85-1 | 1,3-Propanediol, 2,2-bis[[(gamma-omega-perfluoro-C4-10-alkyl)thio]methyl], derivs., phosphates, ammonium salts | poly/perfluorinated PHOSPHOORGANICS | 4 | 10 |
| | 148240-87-3 | 1,3-Propanodiol, 2,2-bis[[(gamma-omega-perfluoro-C6-12-alkyl)thio]methyl] derivs. phosphates, ammonium salts | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| Section | 86960-56-7 | 1,4(or 1,5)-Bis(3-chloro-2-hydroxypropy)) 2,5(or 2,4)-bis[2-{[(heptadecafluoroocty])sulfonyl]propylamino]ethyl] 1,2,4,5-benzenetetracarboxylate | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 1985年 1 | 68735-91-1 | 1,4-Benzenedicarboxylic acid, polymer with NN-bis(2-hydroxyethyl)-4-{(nonadecafluorodecyl)oxy]benzenesulfonamide didehydro deriv., 1,2-ethanediol, alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl) and 1,1'-methylenebis[4-isocyanatobenzene] | poly/perfluorinated POLYMERS | 9 | 9 |
| | | | poly/perfluorinated POLYMERS | | |
| | | | Fluorinated urethanes polymers | 4 | |
| 1752 | 68187-24-6 | 7 CONTRACTOR OF THE PROPERTY O | poly/perfluorinated TIOLS | 6 | 20 |
| 1905.00 1.00 | 68037-23-0 | 1,4-Butanediol, 2,3-bis[.gammaomega-perfluoro-C6-20-alkyl)thio]-, polymer with 1,6-diisocyanatotrimethylhexane and 2,2-(methylimino)bis[ethanol] | Fluorinated urethanes polymers | 6 | 22 |
| 15.902 | 71205-28-2 | 1,4-Butanediol, 2,3-bis[(.gammaomega-perfluoro-C6-20-alkyl)thio]-1,4-butanediol, C36-alkylene diisocyanate and 1,6-diisocyanate 2,2,4(or 2,4,4)-trimethylhexane | poly/perfluorinated TIOLS | 6 | 20 |
| | 399026-30-3 | 1,4-Butanediol, polymer with 1,6-diisocyanatohexane, 2-ethyl-1-hexanol-, and .alphaomega-perfluoro-C8-14-alc-blocked | Fluorinated urethanes polymers | 8 | 14 |
| 1981-14-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2 | 415-580-4 | 1,4-dichloro-2-(1,1,2,3,3,3-hexafluoropropoxy)-5-nitrobenzene | OTHER poly/perfluorinated ORGANICS | 3 | 3 |
| | 921-909-7 | 1,4-dichloro-2-(1,1,2,3,3,3-hexafluoropropoxy)benzene | poly/perfluorinated ETHERS | 3 | 3 |
| | 7309-84-4 230-766-3 | 1.4-Dioxan-2-one, 3.5.5,6-tetrafluoro-3.6-bis(trifluoromethyl)- | poly/perfluorinated ESTERS | 1 | 3 |
| | 84041-66-7 281-847-5 | 1.4-Dioxane, 2,2,3,5,6-pentafluoro-5-(pentafluoroethoxy)-3,6-bis(trifluoromethyl)- | poly/perfluorinated ESTERS | 1 | 3 |
| 1333-56 26-21-54 14 Piccingues Stures 5.7 2 resignature mendiple (6-12.2 enfluence) (miles mendiple) (miles | 61097-79-8 262-603-7 | 1,4-Dioxane, 2,2,3,5,6-pentafluoro-5-[(trifluoroethenyl)oxy]-3,6-bis(trifluoromethyl)- | poly/perfluorinated ESTERS | 1 | 5 |
| | 61097-98-1 262-605-8 | 1,4-Dioxane, 2,2-i[1,2-difluoro-1,2-bis(trifluoromethyl)-1,2-ethanediyl]bis(oxy)]bis[2,3,5,5,6-pentafluoro-3,6-bis(trifluoromethyl)- | poly/perfluorinated ESTERS | 1 | 3 |
| A | 94333-56-9 305-035-8 | 1,4-Dioxepane, 5-fluoro-5,7,7-tris(trifluoromethyl)-6-[2,2,2-trifluoro-1-(trifluoromethyl)-ethylidene]- | poly/perfluorinated ESTERS | 1 | 3 |
| 1435-252 | 84100-12-9 282-094-5 | 1.4-Heptadiene, 5.6.6,7.7.7-bexafluoro-4-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 1 | 3 |
| 175-05 1 | | 1.6-Hexanediamine, 1,1,2,2,3,3,4,5,5,6,6-dodecafluoro-NNNN-tertakis[heptafluoropropyl)- | | 6 | |
| 1995-55 17-288-0 19-20-6-10-0-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | 678-65-9 211-650-1 | 1.7-Octadiene, 3.3.4.4,5.5,6,6-octafluoro- | | 4 | 4 |
| 141-562-7-2 | 1800-91-5 217-288-0 | 1.9-Decadiene, 3,3,4,4,5,6,6,7,8,8-dodecafluoro- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| | | | | 2 | 2 |
| 94159-85-0 Pacinfancetanal pales 22.33.44.4-postulamonoshura-2-ose Pacing | | | | 2 | |
| Patron P | | | | 8 | 8 |
| \$22.805 Introno-9(4.8.5.5.5 penathacropenyhliojonoane | | | pay, parameter and a second se | 2 | 2 |
| State Stat | 422-850-5 | | | 2 | 2 |
| 102061-825 422-10-7 - Butanesulfinia exid, 1,1,2,2,3,4,4,4-norafluoro-, sodium salt polyperfluorinated SULYONICSULFINIC ACIDS 4 4 4 4 4 4 4 4 4 | | | | A | 4 |
| 1 1 1 1 1 1 1 1 1 1 | | *************************************** | 1.71 | | |
| Substance Subs | | | | 4 | 4 |
| Hattanesulfonamide, 1,12,23,34,44-nonafluoro-N(2-bydroxyethyl), empd. with 2,2*-iminobid_ethanol [1:1] | | THE COLUMN TO SERVICE STATE OF | | 4 | 4 |
| | | CONTRACTOR OF THE PROPERTY OF THE STATE OF T | | | |
| 34454972 252-043-1 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-2-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-1-hydroxyethyl)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-1-hydroxyethyl-)-N-methyl- 1-Butanesulfonamide, 1,1,2,3,3,4,4-nonafluoro-N(-1-hydroxyethyl-)-N-methyl- | | The second secon | | | |
| 147543-413 1-Butanesulfonamide, 1,1,2,2,3,4,4-nonafluoro-N(-2-hydroxychyft)-N-methyl-, phosphate (ester) 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N(-4-hydroxychyft)-N-methyl-, phosphate (ester) 4 4 4 4 4 4 4 4 4 | | | 71 | | |
| 812442 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-4-hydroxybuyl)-N-methyl- Nealtyl perfluoroalkyl sulfonamides (FASAs) 4 4 68296-07.7 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(phenylmethyl)- Nalkyl perfluoroalkyl sulfonamides (FASAs) 4 4 3445-00.0 252-04.7 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(pondhylvast))- 4 4 3987-39.7 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(pondhylvast))- 4 4 3987-39.5 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(pondhylvast))- 5 5 176719-69.0 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(pindhoromethyl)sulfonyl)- 5 5 40630-65.7 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(pindhoromethyl)sulfonyl)- 5 5 40630-65.7 1 Butanesulfonamide, 1,1,2,2,33,4,4-nonafluoro-N(-(pindhoromethyl)sulfonyl)- 5 5 | | | | | |
| Batanesulfonamide, 1,1,2,2,3,4,4-nonafluoro-N-(phenylmethyl)- Nealkyl perfluoroalkyl sulfonamides (FASAs) 4 4 | | The second state of the second | 71 | | |
| 345500 25,044.7 | | | | | |
| 18 18 18 18 18 18 18 18 | | | | | |
| 18 18 18 18 18 18 18 18 | | | | 4 | 4 |
| 176719-69-0 1-Butanesulfonamide, 1,1,2,2,3,4,4,4-nonafluoro-N-[(trifluoromethyl)sulfonyl], sodium salt. N-sikyl perfluoroakyl sulfonamides (FASAs) 5 40630-65-7 1-Butanesulfonamide, 1,1,2,2,3,4,4,4-nonafluoro-N-2-propenyl- N-alkyl perfluoroakyl sulfonamides (FASAs) 4 4 | 39847-39-7 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 40630-65-7 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N-2-propent- N-alkyl perfluoroalkyl sulfonamides (FASAs) 4 4 | | | | _ | 5 |
| | | 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N-[(trifluoromethyl)sulfonyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | | , |
| 68298-124 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N-methyl- N-alkyl perfluoroalkyl sulfonamides (FASAs) 4 4 | 39847-37-5 | I-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N-{(trifluoromethyl)sulfonyl], sodium salt. | | | |
| | 39847-37-5 176719-69-0 | 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N-{(trifluoromethyl)sulfonyl}-, sodium salt. 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-N-2-propenyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |

| 93894-53-2 | 1-Butanesulfonamide, 1,1,2,2,3,3,4,-octafluoro-N-(2-hydroxyethyl)-N-methyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
|--|--|--|---|---|
| 93894-54-3 | 1-Butanesulfonamide, 1,1,2,2,3,3,4,-octafluoro-N,N-bis(2-hydroxyethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 120945-47-3 | I-Butanesulfonamide, N,N-[phosphinicobis(oxy-2,1-ethanediyl)]bis[1,1,2,2,3,3,4,4-nonafluoro-N-methyl- | poly/perfluorinated PHOSPHOORGANICS | 4 | 4 |
| 67939-91-7 | 1-Butanesulfonamide, N.N-iphosphinicobis(oxy-2,1-ethanediyl))bis[N-ethyl-1,1,2,2,3,3,4,4-nonafluoro- | poly/perfluorinated PHOSPHOORGANICS | 4 | 4 |
| 68555-77-1 | 1-Butanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,-nonafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 68957-59-5 | 1-Butanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,-nonafluoro-, monohydrochloride | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 178094-76-3 | 1-Butanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,nonafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 178094-73-0 | 1-Butanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,-nonafluoro-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 34449-89-3 | 1-Butanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4-nonafluoro-N-(2-hydroxyethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 375-73-5 206-793-1 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,-nonafluoro- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 68259-10-9 269-513-7 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, ammonium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 36913-91-4 253-270-9 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, anhydride | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 70225-18-2 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4/-nonafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 209482-18-8 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, ion(1-), 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 29420-49-3 249-616-3 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,-nonafluoro-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 220689-12-3 444-440-5 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,-nonafluoro-, salt with phosphonium, tetrabutyl- (1:1); ("Phosphonium, tetrabutyl-, salt with 1,1,2,2,3,3,4,4,-nonafluoro-1-butanesulfonic acid (1:1)") | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 220133-51-7 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,-nonafluoro-, salt with sulfonium, dimethylphenyl- (1:1); ("Sulfonium, dimethylphenyl-, salt with 1,1,2,2,3,3,4,4,-nonafluoro-1-butanesulfonic acid (1:1)") | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 68734-62-3 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,-nonafluoro-, trimethylsilane- ("Trimethylsilyl nonafluoro-1-butanesulfonate") | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 4 | 4 |
| 70259-86-8 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4-octafluoro- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 93894-55-4 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,4-octafluoro-, anhydride | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 70259-85-7 | 1-Butanesulfonic acid, 1,1,2,2,3,3,4,-octafluoro-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 484023-69-0 | 1-Butanesulfonic acid, 4-(nonafluorobutoxy)-, ammonium salt | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 375-72-4 206-792-6 | l-Butanesulfonyl fluoride, 1,1,2,2,3,3,4,4-nonafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 4 | 4 |
| 375-01-9 206-782-1 | 1-Butanol, 2,2,3,3,4,4-beptafluoro- | poly/perfluorinated ALKOHOLS | 3 | 3 |
| 98728-78-0 | 1-Butanol, 4-(ethenyloxy)-, polymer with 1-chloro-1-2.2-trifluoroethene and ethoxyethene | poly/perfluorinated POLYMERS | | |
| 207691-69-8 | 1-Butanol, 4-(ethenyloxy)-, polymer with chlorotrifluoroethene and ethoxyethene, hydrogen butanedioate | poly/perfluorinated POLYMERS | | |
| 88795-12-4 | 1-Butanol, 4-(ethenyloxy)-, polymer with chlorotrifluoroethene, (ethenyloxy)cyclohexane and ethoxyethene | poly/perfluorinated POLYMERS | | |
| 25120-52-9 | 1-Butanol, 4-(ethenyloxy)-, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 357-26-6 | 1-Butene, 1,1,2,3,3,4,4-octafluoro- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 101182-89-2 | 1-Butene, 1,1,2,3,3,4,4-heptafluoro-4-[(trifluoroethenyt)oxy]-, homopolymer | poly/perfluorinated POLYMERS | 4 | 4 |
| 21581-82-8 | 1-Butene, 1,1,2,3,4,4,4-heptafluoro-3-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 33831-83-3 439-500-2 | 1-Butene, 3,3,4,4-tetrafluoro-4-iodo- | poly/perfluorinated IODIDES | 4 | 4 |
| | | | | |
| 18599-22-9 242-440-8 | 1-Butene, 4-bromo-3,3,4,4-tetrafluoro- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 18599-22-9 242-440-8 74398-72-4 | 1-Butene, 4-bromo-3,3,4/4-tertafluoro- 1-Butene, 4-bromo-3,3,4/4-tertafluoro-, polymer with 1.1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene | poly/perfluorinated ALKANES/ALKENES Polytetrafluoroethylene (PTFE) | 4 | 4 |
| | | | 4 | 4 |
| 74398-72-4 | 1-Butene, 4-bromo-3,3,4,4-tetrafluoro-, polymer with 1,1-diffuoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | 8 | 8 |
| 74398-72-4 65059-79-2 | l-Butene, 4-bromo-3,3,4/4-tertafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3-hexafluoro-1-propene and tetrafluoroethene 1-Butene, 4-bromo-3,3,4/4-tertafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluorotrifluoromethoxyjethene | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) | 8 8 | 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 | -Buten, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroethens, 1,1,2,3,3-hexafluoro-1-propens and tetrafluoroethens -Buten, 4-bromo-3,3,4-istrafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoro(trifluoromethoxy)ethene -Decanaminium, 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-NN-bis(2-hydroxyethyl)-N-methyl-, iodide | Polytetralluoroethylene (PTFE) Polytetralluoroethylene (PTFE) polytperfluorinated AMMONIUM ORGANICS | 8 | 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 | -Buten, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroethens, 1,1,2,3,3-hexafluoro-1-propens and tetrafluoroethens -Buten, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroethens, tetrafluoroethens and trifluoro(trifluoromethoxy)ethens -Decanaminium, 3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecafluoro-NN-bis(2-hydroxyethyl)-N-methyl-, iodide -Decanaminium, N-decyl-NN-dimethyl-, salt with 1,1,2,2,3,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-1-oxtunesulfonic acid (1:1) | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polytperfluorinated AMMONIUM ORGANICS polytperfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 | 1-Buten, 4-bromo-3,3,4/-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3-hexafluoro-1-propene and tetrafluoroethene 1-Butene, 4-bromo-3,3,4/-tetrafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene, where the substitution of the s | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polytetrafluoroethylene (PTFE) polytetrafluoroethylene (PTFE) polytetrafluorinated AMMONIUM ORGANICS polytetrafluorinated SULFONIC/SULFINIC ACIDS polytetrafluorinated SULFONIC/SULFINIC ACIDS | 8 8 10 | 8 8 10 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 267-709-7 | 1-Butene, 4-bromo-3,3,4/4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3-hexafluoro-1-propene and tetrafluoroethene 1-Butene, 4-bromo-3,3,4/4-tetrafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoro(trifluoromethoxy)ethene 1-Decanaminium, 3,3,4/4.55,6,6,77,8,8,9,9,10,10,10-beptadecafluoro-1-by-methyl-, iodide 1-Decanaminium, N-decyl-NN-dimethyl-, salt with 1,1,2,2,3,3,4/4.55,6,6,77,8,8,9-plot(10,10)-beneicosafluoro-1-octanesulfonic acid, 1,1,2,2,3,3,4/5,5,6,6,77,8,8,9,10,10,10)-beneicosafluoro-1-by-methyl | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polyterfluorinated AMMONILM ORGANICS polyterfluorinated SULFONIC/SULFINIC ACIDS polyterfluorinated SULFONIC/SULFINIC ACIDS polyterfluorinated SULFONIC/SULFINIC ACIDS | 8 8 10 10 | 8 8 10 10 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2806-16-8 | 1-Butens, 4-bromo-3,3,4/-tetrafluoro-, polymer with 1,1-difluoroschens, 1,1,2,3,3-hexafluoro-1-propens and tetrafluoroschens 1-Butens, 4-bromo-3,3,4/-tetrafluoro-, polymer with 1,1-difluoroschens, tetrafluoro-thens and trifluoro(trifluoromethoxy)ethens 1-Decanaminium, 3,3,4,4,55,6,6,77,8,8,9,0,10,10-bepatacafluoro-Ny-Nisi(2-hydroxyethy)-N-methyl-, iodide 1-Decanaminium, N-desyl-NN-dimethyl-, salt with 1,1,2,2,3,4,4,5,5,6,6,7,8,8,9-ptadecafluoro-1-octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,0,10,10-beneicosafluoro- 1-Decanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,0,10,10-beneicosafluoro- ammonium salt 1-Decanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,0,10,10-beneicosafluoro- potassium salt | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polyperfluorinated AMMONIUM ORGANICS polyperfluorinated SULFONIC/SULFINIC ACIDS | 8 8 10 10 | 8 8 10 10 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2606-16-8 39108-34-4 254-295-8 | 1-Buten, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene 1-Buten, 4-bromo-3,3,4,4-strafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene) 1-Decamaminium 3,3,4,4-55,6,6,7,8,8,9,9,10,10,0-beptadecafluoro-NN-bis2-lydroxyelyly-N-methyl-, iodide 1-Decamaminium, N-decyl-NN-dimethyl-, salt with 1,12,2,3,3,4,4,5,5,6,7,7,8,8,9-pulo,10-beptadecafluoro-1-extansulfonic acid (1:1) 1-Decamesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-benedocafluoro- 1-Decamesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-benedocafluoro-potassium salt 1-Decamesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-benedocafluoro-potassium salt 1-Decamesulfonic acid, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-benedocafluoro-potassium salt 1-Decamesulfonic acid, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-benedocafluoro-potassium salt 1-Decamesulfonic acid, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-benedocafluoro-potassium salt | Polytetrafluoroethylene (PTFE) Polyterfluoroethylene (PTFE) polyperfluorinated AMMONIUM ORGANICS polyperfluorinated SULFONIC/SULFINIC ACIDS | 8 8 10 10 10 10 | 8 8 10 10 10 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2806-16-8 39108-34-4 254-295-8 149724-40-3 | 1-Buten, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroschene, 1,1,2,3,3-hexafluoro-1-propene and tetrafluoroschene 1-Buten, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroschene, tetrafluoro-chene and trifluoroschene 1-Decanaminium, 3,3,4,4-5,5,6,6,7,8,8,9,9,10,10-beptadeafluoro-NN-bis(2-hydroxyehyl-N-methyl-, iodide 1-Decanaminium, N-decyl-NN-dimethyl-, salt with 1,12,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10-beptadeafluoro-1-octanesulforic acid (1:1) 1-Decanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-benciosafluoro-monium salt 1-Decanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-benciosafluoro-potassium salt 1-Decanesulfonic acid, 3,3,4,5,5,6,6,7,8,8,9,10,10,10-bendecafluoro-potassium salt 1-Decanesulfonic acid, 3,3,4,5,5,6,6,7,8,8,9,10,10,10-beptadeafluoro-potassium salt 1-Decanesulfonic acid, 3,3,4,5,5,6,6,7,8,8,9,10,10,10-beptadeafluoro-potassium salt | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) poly perfluorinated AMMONIUM ORGANICS polyperfluorinated SULFONIC/SULFINIC ACIDS | 8 8 10 10 10 10 8 8 | 8 8 10 10 10 10 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2806-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 | 1-Buten, 4-bromo-3,3,4/4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3,3-bexafluoro-1-propene and tetrafluoroethene 1-Butene, 4-bromo-3,3,4/4-tetrafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene polymere 1-Decannaminium, 3,3,4/4,55,6,6,77,8,8,99,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, (1,1) 1-Decannaminium, N-decyt-NN-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,99,10,10,0-benciosafluoro-1-oxtunesulfonic acid, (1,1) 1-Decannaminium, acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,9,9,10,10,0-benciosafluoro-1-oxtunesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,9,9,10,10,0-benciosafluoro-1-oxtunesulfonic acid, 1,1,2,2,3,3,4,5,5,6,7,7,8,9,9,10,10,0-benciosafluoro-1-oxtunesulfonic acid, 3,3,4,4,5,5,6,6,7,8,8,9,10,10,10-benciosafluoro-1-oxtunesulfonic acid, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,4,4,5,6,6,7,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,4,4,5,6,6,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,4,4,5,6,6,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,4,4,5,6,6,7,8,9,9,10,10,10-beptadecafluoro-1-oxtunesulfonic acid, 3,4,4,5,6,6,7,8,9,9,10,10,10-beptadecafluoro-1-ox | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polyterfluorinated AMMONIUM ORGANICS polyterfluorinated SULFONIC/SULFINIC ACIDS | 8 8 10 10 10 10 8 8 | 8 8 10 10 10 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 6790-642-7 2806-16-8 39108-34-4 254-29-8 149724-40-3 27619-99-5 248-578-5 307-51-7 | -Buten, 4-bromo-3,3,4/-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3-hexafluoro-1-propene and tetrafluoroethene -Buten, 4-bromo-3,3,4/-tetrafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoro(trifluoromethoxy)ethene -Decanaminium, 3,3,4,6,5,6,6,77,8,8,9,9,10,10,0-bepadecafluoro-1-octanesulfonic acid, 11-Decanaminium, N-decyl-NN-dimethyl-, salt with 1,1,2,2,3,3,4,6,5,6,6,7,8,8,9-pl.0,10-bepadecafluoro-1-octanesulfonic acid, 11-Decanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10-bepadecafluoro-1-octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 3,3,4,4,5,5,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 3,3,4,4,5,5,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 3,3,4,5,6,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 3,5,6,6,7,8,8,9,10,10,10-bepadecafluoro-1-octanesulfonic acid, 3,5,6,6,7,8,8,9,10,10,10-bepadecafluoro- | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ALKANOYULFONIC CHILORIDE or FLUORIDES polyperfluorinated ALKANOYULFONICH CHILORIDE or FLUORIDES | 8 8 10 10 10 10 8 8 | 8 8 10 10 10 8 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 221099-16-8 335-77-3 67906-42-7 2206-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307:51-7 34143-74-3 | -Butenc, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3-hexafluoro-1-propene and tetrafluoroethene -Butenc, 4-bromo-3,3,4-4-strafluoro-, polymer with 1,1-difluoroethene, tetrafluoro-chene and trifluoroethene) -Decamentinium, 3,3,4,4-5,5,6,6,7,8,8,9,9,10,10-beptadecafluoro-NN-bis(2-hydroxyehyl-N-methyl-, iodide -Decamentinium, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10-beptadecafluoro-l-extansulforic acid (1:1) -Decamentiforic acid, 1,1,2,2,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-benciosafluoro-monitorium and -Decamentiforic acid, 1,1,2,2,3,4,4,5,6,6,7,8,8,9,9,10,10,10-benciosafluoro-monitorium and -Decamentiforic acid, 1,1,2,2,3,4,4,5,6,6,7,8,8,9,9,10,10,10-benciosafluoro-patain and -Decamentiforic acid, 1,1,2,2,3,4,4,5,6,6,7,8,8,9,10,10,10-beptadecafluoro-patain and -Decamentiforic acid, 3,4,4,5,6,6,7,8,8,9,10,10,10-beptadecafluoro-patain and -Decamentiforic acid, 3,3,4,5,6,6,7,8,8,9,10,10,10-beptadecafluoro-patain and -Decamentiforic acid, 3,3,4,5,6,6,7,8,8,9,10,10,10-beptadecafluoro-patain and -Decamentiforic acid, 3,3,4,5,6,6,7,8,8,9,10,10,10-beptadecafluoro-patain and -Decamentiforic acid, 3,3,4,5,6,6,7,8,8,9,10,10-beptadecafluoro-patain and -Decamentifo | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) poly perfluorinated AMMONIUM ORGANICS poly perfluorinated SULFONIC/SULFINIC ACIDS poly perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly perfluorinated TIOLS | 8 8 10 10 10 10 8 8 | 8 8 10 10 10 8 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 338-77-3 67906-42-7 2606-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307-51-7 34143-74-3 78974-42-2 | Fauten, 4-bromo-3,3,4/4-strafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3-bexafluoro-1-propene and tetrafluoroethene Fauten, 4-bromo-3,3,4/4-strafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene) Fauten, 4-bromo-3,3,4/4-strafluoroethene, polymer with 1,1-difluoroethene, tetrafluoroethene, tetrafluoroethen | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) poly perfluorinated AMMONIUM ORGANICS poly perfluorinated SULFONIC/SULFINIC ACIDS polyperfluorinated ALKANOYULSULFONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOYULSULFONYL CHLORIDE or FLUORIDES polyperfluorinated TIOLS polyperfluorinated PHOSPHOORGANICS | 8 8 10 10 10 8 8 8 10 8 | 8 8 10 10 10 10 8 8 8 10 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 6790-42-7 2806-16-8 39108-34-4 254-295-8 149724-40-3 27619-99-5 248-578-5 307-51-7 34143-74-3 78974-42-2 93857-49-9 | -Buten, 4-bromo-3,3,4/4-tetrafluoro-, polymer with 1,1-difluoroethene, 1,1,2,3,3,3-bexafluoro-1-propene and tetrafluoroethene -Buten, 4-bromo-3,3,4/4-tetrafluoro-, polymer with 1,1-difluoroethene, tetrafluoroethene and trifluoroethene and trifluoroethene and trifluoroethene -Decamaminium, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,0-beptadecafluoro-NN-bis(2-hydroxyethyl)-N-methyl-, iodide -Decamesilionia acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,0-beneicosafluoro- -extansulfonic acid (1:1) -Decamesilionia acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 1,1,2,2,3,3,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 1,1,2,2,3,3,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 3,3,4,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 3,3,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 3,3,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 3,3,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia acid, 1,2,2,3,3,4,5,5,6,7,7,8,9,9,10,10,0-beneicosafluoro- -propensilionia ac | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polyperfluorinated AMMONIKIM ORGANICS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated AULFONICSULFINIC ACIDS polyperfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES polyperfluorinated AULFONICSULFONYL CHLORIDE or FLUORIDES polyperfluorinated THOLS polyperfluorinated PHOSPHOORGANICS polyperfluorinated PHOSPHOORGANICS | 8 8 10 10 10 8 8 8 8 10 8 9 | 8 8 10 10 10 10 8 8 8 8 10 9 |
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| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2670-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307-51-7 34143-74-3 78974-42-2 93887-49-9 78974-41-1 93776-24-0 94291-77-7 678-39-7 211-648-0 57678-03-2 93857-44-4 678-41-1 93776-20-6 161981-38-0 57679-71 149790-22-7 | Flutings, 4-bromo-3,3,4-4-terralinoro-, polymer with 1,1-dillionorchines, traflucorcheae and triflanor/trifliocormehosy) before Flutings, 4-bromo-3,3,4-4-terralinoro-, polymer with 1,1-dillionorchines, terralinorchinesy) before Flucinaminium, 3,3,4-4,5.5,6.6.77,8,89,9,10,10,10-berpatice-actions on N-8i-vic-y-diveryo-lysty-N-methyl-, indide Flucinaminium, N-decyl-NN-dimethyl-, salt with 1,1-22,3,3.4.6.5,6.6.77,8,8.9-plade-caltinoro-) before a common site of the common site of | Polytetrafluoroethylene (PTFE) Polyterfluoroethylene (PTFE) Polyterfluorianted AMMONIUM ORGANICS polyperfluorianted AMMONIUM ORGANICS polyperfluorianted SULFONIC/SULFINIC ACIDS polyperfluorianted ALKANOYL-SULFONYL CHLORIDE or FLUORIDES polyperfluorianted ALKANOYL-SULFONYL CHLORIDE or FLUORIDES polyperfluorianted PHOSPHOORGANICS | 8 8 10 10 10 8 8 8 10 8 8 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 | 8 8 10 10 10 8 8 8 8 10 8 8 9 9 9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2506-16-8 39108-34-4 254-29-5-8 149724-40-3 276-19-90-5 348-578-5 307-51-7 34143-74-3 78974-41-1 93776-24-0 94291-77-7 678-39-7 211-648-0 57678-03-2 93857-44-4 678-41-1 93776-20-6 161981-38-0 57677-97-1 149990-22-7 35328-43-9 | Fluting, 4-bromo-3,3,44-tertafluoro-, polymer with 1,1-difluorechlene, t.1,2,3,3-becafluoro-1-propene and tertafluoroethene Fluting, 4-bromo-3,3,44-tertafluoro-, polymer with 1,1-difluorechlene, t.tertafluoroethene and rithuocytrifluoromethoxy)ethene Floecamminium, 3,3,44-5,5,6,6,77,8,8,9,01,0,1,0 Despraciocalitonoro-NN-bick-2-bydroxyethy1-b-methy1-, todds Floecamminium, Nedoy3-NN-dimethy1-, silt with 1,1,22,3,3,44-5,5,6,6,77,8,8,9,9,10,1,0 Ob-braciocalitonoro-Nn-bick-2-bydroxyethy1-b-methy1-, todds Floecamentifionic acid, 1,1,22,3,3,44,5,5,6,6,77,8,8,9,9,10,1,0 Ob-braciocalitonoro-Nn-bick-2-bydroxyethy1-b-methy1 | Polytertafluoroethylene (PTFE) Polyterfaluoroethylene (PTFE) Polyterfaluoroethylene (PTFE) polyperfluorinated AMMONIUM ORGANICS polyperfluorinated SULFONIC/SULFINIC ACIDS polyperfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES polyperfluorinated TIOLS polyperfluorinated PHOSPHOORGANICS polyperfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 8 8 10 10 10 8 8 8 10 8 8 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 | 8 8 10 10 10 8 8 8 8 10 8 8 9 9 9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 267-61-8 39103-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307-51-7 34143-74-3 78974-42-2 93857-49-9 78974-41-1 93776-24-0 94291-77-7 678-39-7 678-39-7 211-648-0 57678-03-2 93857-44-4 678-41-1 93776-20-6 161981-38-0 57677-97-1 149790-22-7 35328-43-9 21652-58-4 244-503-5 | Filtetine, 4-bromo 3,3,44-terrallurors, polymer with 1,1-diffuoroschene, t.1,2,3,3,3-breafluoro-1-propene and strafluoroschene Filtetine, 4-bromo 3,3,44-terrallurors, polymer with 1,1-diffuoroschene, strafluoroschene and trinfuoroschene, terralluroschene Filtetine, 4-bromo 3,3,44-terrallurors, polymer with 1,1-diffuoroschene, terralluroschene, te | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polytyperfluorinated AMMONIUM ORGANICS polytyperfluorinated SULFONIC/SULFINIC ACIDS polytyperfluorinated THOSPHORGANICS polytyperfluorinated PHOSPHORGANICS polytyperfluorinated PHOSPHO | 8 8 10 10 10 8 8 8 8 10 9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| 74398-72-4 65059-79-2 31814-14-15 251099-16-8 335-77-3 67906-42-7 2806-16-8 39108-34-4 254-29-5-8 149724-40-3 2761-99-5 248-578-5 307-51-7 34143-74-3 78974-42-2 93857-49-9 78974-41-1 93776-24-0 94291-77-7 678-39-7 211-648-0 57678-03-2 93857-44-4 678-41-1 93776-20-6 161981-38-0 57677-97-1 149790-22-7 35328-43-9 21158-58-8 244-50-5 94158-60-8 | Filtense, 4-bromo-3,3,4-4-ternilations-, polymer with 1,1-diffuencebene, tertafluoroethene and trifluoroethene (and ternilations-polymer) (and ternilation | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) polytyperfluorianted SULFONIC/SULFINIC ACIDS polytyperfluorianted ALKANOYULFONIC/THORIDE or FLUORIDES polytyperfluorianted PHOSPHOORGANICS polytyperfluorianted PHOSPHOORGA | 8 8 10 10 10 8 8 8 10 8 8 9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 | 8 8 8 10 10 10 8 8 8 8 10 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 267-709-7 2806-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307-51-7 34143-74-3 78974-42-2 93857-49-9 78874-41-1 93776-24-0 94291-77-7 678-39-7 211-648-0 57678-03-2 93857-44-4 678-41-1 93776-20-6 161981-38-0 57677-97-1 149790-22-7 35328-43-9 21652-58-4 244-503-5 94158-60-8 79780-39-5 85187-17-3 | Fibrioria, 4-bromo 3,3.4.4-terralhoro-, polymer with 1,1-diffiomerchese, 1,1,2,3,3.4-bexulfuror-) propose and sterralhoroscheme Fibrioria, 4-bromo 3,3.4.4-terralhoro-, polymer with 1,1-diffiomerchese, steriflorocyclence and strindocyclence Fibrioriani | Polysterafluoroethylene (PTFE) Polysterafluoroethylene (PTFE) Polysterafluoroethylene (PTFE) polysperfluorinated AMMONIUM ORGANICS polysperfluorinated SULFONIC/SULFINIC ACIDS polysperfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES polysperfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES polysperfluorinated PHOSPHOORGANICS pol | 8 8 10 10 8 8 10 8 8 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| 74398-72-4 65059-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2670-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307-51-7 34143-74-3 78974-42-2 93857-44-1 93776-24-0 94291-77-7 678-39-7 211-648-0 57678-03-2 93857-44-4 678-41-1 93776-20-6 161981-38-0 57677-97-1 149790-22-7 35328-43-9 21652-58-4 244-503-5 94158-60-8 79780-39-5 | 1-Bitotas, 4-bromo-3,3,4-4-ternilariors, polymer with 1,1-diffusoredense, ternilariorseltense and ternilariorseltense (1-Bitotas, 4-bromo-3,3,4-4-ternilariorse), polymer with 1,1-diffusoredense, ternilariorseltense and ternilariorseltense (1-Bitotas, 4-bromo-3,3,4-4-ternilariorse), polymer with 1,1-diffusoredense, ternilariorseltense and ternilariorseltense (1-Bitotas), polymer with 1,1-diffusoredense, ternilariorseltense and ternilariorseltense (1-Bitotas), polymer (1-Bitotas), polyme | Polytertafluoroethylene (PTFE) Polytertafluoroethylene (PTFE) Polytertafluoroethylene (PTFE) Polytertafluoroethylene (PTFE) polyperfluorianted SULFONICSULFINIC ACIDS polyperfluorianted ALKANOYULFONIC CHLORIDE or FLUORIDES polyperfluorianted PHOSPHOORGANICS polyperfluorianted ALKANOYLSULFONYL CHLORIDE or FLUORIDES | 8 8 10 10 8 8 9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 | 8 8 8 10 10 8 8 8 10 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| 74398-72-4 6595-79-2 31841-41-5 251099-16-8 335-77-3 67906-42-7 2200-16-8 331-73-2 2200-16-8 39108-34-4 254-295-8 149724-40-3 27619-90-5 248-578-5 307-51-7 34143-74-3 34143-74-3 378974-42-2 93537-40-9 78974-41-1 93776-24-0 94291-77-7 678-39-7 211-648-0 57678-03-2 93537-44 678-41-1 93776-20-0 151981-38-0 57679-71 149790-22-7 33328-43-9 21652-58-4 244-503-5 94158-60-8 79780-30-5 94158-60-8 | Photosis, 4 bromo 23,3.4.4 setanflatoro, polymer with 1,1-diffusoredness, italifusoredness and influencentinal contents with 1,2-3.3.4.4 setanflatoro, polymer with 1,1-diffusoredness, italifusoredness and influencentinal contents with 1,2-3.4.4 setanflatoro, polymer with 1,1-diffusoredness, italifusoredness and influencentinal contents with 1,2-3.4.4 setanflatoro, polymer with 1,2-2.3.3.4.4.5.5.6.6.7.7.8.8.9.10,10.01-bepatacentinoro-N-Nei-CaphronophylyN- methyl-, folde Decamentalization 1,2-2.3.3.4.4.5.5.6.6.7.7.8.8.9.10,10.01-bepatacentinoro-contents with 1,2-2.3.3.4.4.5.5.6.6.7.7.8.8.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.3.4.4.5.5.6.0.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.3.4.4.5.5.6.0.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.3.4.4.5.5.6.0.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.3.4.4.5.5.6.0.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.4.4.5.5.6.0.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.4.4.5.6.6.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decamentalization 1,2-2.3.4.4.5.6.6.7.7.8.8.9.9.10,10.01-bepatacentinoro-parameters Decam | Polytertafluoroethylene (PTFE) Polyterfaluoroethylene (PTFE) polytyperfluorinated AMMONIUM ORGANICS polytyperfluorinated SULFONIC/SULFINIC ACIDS polytyperfluorinated AUKANOYL/SULFONYL CHLORIDE or FLUORIDES polytyperfluorinated TIOLS polytyperfluorinated PHOSPHOORGANICS polytyperfluorinated AUKANOYULSULFONYL CHLORIDE or FLUORIDES polytyperfluorinated AUKANOYULSULFONYL CHLORIDE or FLUORIDES polytyperfluorinated AUKANOYULSULFONYL CHLORIDE or FLUORIDES polytyperfluorinated SULFONYLSULFONYL CHLORIDE or PLUORIDES polytyperfluorinated SULFONYLSULFONYL CHLORIDES polytyperfluorinated SULFONYLSULFONYL CHLORIDES polytyperfluorinated SULFONYLSULFONYL CHLORIDES polytyperfluorinated SULFONYLSULFONYL CHLORIDES | 8 8 10 10 10 8 8 10 10 8 8 10 10 8 8 10 10 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10 | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |

| 1895-26-7 | 1-Dodecanol, 3,3,4,4,5,6,6,7,7,8,8,9,1,0,10,11,11,12,12,12-hencicosafluoro-, hydrogen phosphate | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
|--|--|---|----------------------------------|--|
| 93776-21-7 | 1-Dodecanol, 3.3,4.4.5.5,6.6.7,7.8.8.9.9,10,10,11,11,12,12,12-hencicosafluoro-, hydrogen phosphate, ammonium salt | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 57677-98-2 | 1-Dodecanol, 3.3,4,4.5,5,6,6,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, hydrogen phosphate, compd. with 2,2-iminobis[ethanol] (1:1) | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 106554-16-9 | | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 94200-56-3 | | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 93857-50-2 | 1-Dodecanol, 3.3,4.4.5.5.6.6.7,7.8.8.9.9,10,10,11,12,12,12-cicosafluoro-11-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 93857-55-7 | | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 93776-25-1 | | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 94291-78-8 | | poly/perfluorinated PHOSPHOORGANICS | 11 | 11 |
| 93857-45-5 | | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 30389-25-4 | 1-Dodecene, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-hencicosafluoro- | poly/perfluorinated ALKANES/ALKENES | 10 | 10 |
| 65104-65-6 | | poly/perfluorinated ALKOHOLS | 18 | 18 |
| | | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 3 | 3 |
| 84789-95-7 | | poly/perfluorinated POLYMERS | | |
| 68555-66-8 | | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 7 | 7 |
| 68555-76-0 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68298-89-5 | 1 | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68298-10-2 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67584-49-0 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68259-14-3 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67939-94-0 | | poly/perfluorinated PHOSPHOORGANICS | 7 | 7 |
| 67939-93-9 | | poly/perfluorinated PHOSPHOORGANICS | 7 | 7 |
| 67939-97-3 | | poly/perfluorinated PHOSPHOORGANICS | 7 | 7 |
| 67584-54-7 | The control of the Control of the Extremental Control of the Control of Contr | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67940-02-7 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 178094-74-1 | 1-Heptanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,5,5,6,6,7,7,7-pentadecafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 178094-70-7 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68310-02-1 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67939-98-4 | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-{2-(phosphonooxy)ethyl}-, diammonium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68957-62-0 | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,7-pentadecafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68555-73-7 | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,-pentadecafluoro-N-(2-hydroxyethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67923-61-9 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67584-50-3 | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,-pentadecafluoro-N-[3-(trichlorosilyl)propyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67906-41-6 | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-peniadecafluoro-N-2-propenyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 375-92-8 | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,7-pentadecafluoro- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 7 | 7 |
| 68259-07-4 269-510-0 | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,7-pentadecafluoro-, ammonium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 7 | 7 |
| 70225-15-9 | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,6,6,7,7,-pentadecafluoro-, compd. with 2,2-iminobis[ethanol] (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 7 | 7 |
| 117806-54-9 | | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 7 | 7 |
| 60270-55-5 262-135-3 | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,-pentadecafluoro-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 7 | 7 |
| 65702-23-0 | 1-Heptanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,-undecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 5 | 5 |
| 335-71-7 | 1-Heptanesulfonyl fluoride, 1,1,2,2,3,3,4,5,5,6,6,7,7,7-pentadocafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 7 | 7 |
| 7098-02-4 | 1-Heptanol, 1,1,2,2,3,3,4,4,5,6,6,7,7-tetradecafluoro- | poly/perfluorinated ALKOHOLS | 7 | 7 |
| 375-82-6 206-796-8 | 1-Heptanol, 2,2,3,3,4,5,5,6,6,7,7-tridecafluoro- | poly/perfluorinated ALKOHOLS | 7 | 7 |
| 335-99-9 206-406-6 | 1-Heptanol, 2,2,3,3,4,5,5,6,6,7,-dodecafluoro- | poly/perfluorinated ALKOHOLS | 6 | 6 |
| 691358-66-4 | 1-Heptanone, 1-(9H-fluoren-2-yl)-2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoro-y.O-((nonafluorobutyl)sulfonyl]oxime | OTHER poly/perfluorinated ORGANICS | 4 | 6 |
| 355-63-5 | 1-Heptene, 1,1,2,3,3,4,5,5,6,6,7,77-tetradecafluoro- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| 84100-13-0 | 1-Heptene, 3.3.4.5.5,6.6.7.7undecafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 306976-25-0 | 1-Hexadecanaminium, N.N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl], bromide, polymers with Bu acrylate, Bu methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino[ethyl acrylate | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 393098-44-7 | | poly/perfluorinated PHOSPHOORGANICS | 14 | 14 |
| 60699-51-6 | 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-nonacosafluoro- | poly/perfluorinated ALKOHOLS | 14 | 14 |
| | 1 Execution of the state of the | poly/periadomated ALKOHOLS | | 14 |
| 94200-54-1 | | poly/perfluorinated PHOSPHOORGANICS | 14 | |
| 94200-54-1 93857-47-7 | | | 14 14 | 14 |
| | 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-nonacosafluoro-, dihydrogen phosphate, diamnonium salt | poly/perfluorinated PHOSPHOORGANICS | | |
| 93857-47-7 | 1-Hexadecanol, 3.3,44.5.5.66.7.7.8.8.9.9.10,11.11.12.12.13.13.14.14.15.15.16.16.16-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3,44.5.5.66.7.7.8.8.9.9.10,11.11.12.12.13.13.14.14.15.15.16.16.16-nonacosafluoro-, dihydrogen phosphate, diammonium salt 1-Hexadecanol, 3.3,44.5.5.66.7.7.8.8.9.9.10,11.11.12.12.13.13.14.14.15.15.16.16.16-nonacosafluoro-, hydrogen phosphate | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS | 14 | 14 |
| 93857-47-7 93857-53-5 | 1-Hexadecanol, 3.3,44.5.6.6.7.7.8.8.9.9.10,01.11.11.21.2.13.13.14.14.15.15.16.16.16-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3,44.5.5.6.6.7.7.8.8.9.9.10,01.11.11.21.2.13.13.14.14.15.15.16.16.16-nonacosafluoro-, dihydrogen phosphate, diammonium salt 1-Hexadecanol, 3.3,44.5.5.6.6.7.7.8.8.9.9.10,01.11.11.21.2.13.13.14.14.15.15.16.16.16-nonacosafluoro-, hydrogen phosphate 1-Hexadecanol, 3.3,4.5.5.6.6.7.7.8.8.9.9.10,01.11.11.21.2.13.13.14.14.15.16.16.16-nonacosafluoro-, hydrogen phosphate, ammonium salt | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS | 14 14 | 14 14 |
| 93857-47-7 93857-53-5 93777-13-0 | 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, hydrogen phosphate 1-Hexadecanol, 3.3.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, hydrogen phosphate 1-Hexadecanol, 3.3.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, hydrogen phosphate, compd. with 22-timinobis[ethanol] (1:1) | poly-perfluorinated PHOSPHOORGANICS poly-perfluorinated PHOSPHOORGANICS poly-perfluorinated PHOSPHOORGANICS poly-perfluorinated PHOSPHOORGANICS | 14 14 14 | 14 14 14 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 | 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, hydrogen phosphate 1-Hexadecanol, 3.3.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, hydrogen phosphate 1-Hexadecanol, 3.3.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16-nonacosifluoro-, hydrogen phosphate, compd. with 22-timinobis[ethanol] (1:1) | poly perfluorinated PHOSPHOORGANICS | 14 14 14 | 14 14 14 14 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 | 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, bidydrogen phosphate, diammonium salt 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-notacosafluoro-lydrogen phosphate, diammonium salt 1-Hexadecanol, 3.3.44.5.5.66.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-notacosafluoro-lydrogen phosphate, diammonium salt | poly perfluorinated PHOSPHOORGANICS | 14 14 14 | 14 14 14 14 14 15 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 93857-52-4 | 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-conacosafluoro-, dilydrogen phosphase 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-conacosafluoro-, dilydrogen phosphase, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-conacosafluoro-, hydrogen phosphase, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-conacosafluoro-, hydrogen phosphase, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-conacosafluoro- bydrogen phosphase, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-cotacosafluoro-15-(irifluoromethyl)-, dilydrogen phosphase 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-cotacosafluoro-15-(irifluoromethyl)-, dilydrogen phosphase 1-Hexadecanol, 3.3.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-cotacosafluoro-15-(irifluoromethyl)-, dilydrogen phosphase 1-Hexadecanol, 3.3.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-cotacosafluoro-15-(irifluoromethyl)-, dilydrogen phosphase | poly perfluorinated PHOSPHOORGANICS | 14 14 14 14 15 | 14 14 14 14 15 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 93857-52-4 93776-29-5 | 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosifluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosifluoro-, dihydrogen phosphate, diammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosifluoro-, hydrogen phosphate, diammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosifluoro-, hydrogen phosphate, compd. with 22-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosifluoro- [-trifluoromethyl-, dhydrogen phosphate] 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-, dhydrogen phosphate] 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-, hydrogen phosphate] 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-), hydrogen phosphate 1-Hexadecanol, 3.3.4.8.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-), hydrogen phosphate 1-Hexadecanol, 3.3.4.8.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-), hydrogen phosphate 1-Hexadecanol, 3.3.4.8.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-), hydrogen phosphate 1-Hexadecanol, 3.3.4.8.5.6.6.77.8.8.9.9.10.01.11.11.12.21.31.31.41.41.51.61.61-6-nonacosifluoro-15-(trifluoromethyl-), hydrogen phosphate, ammonium salt | poly-perfluorinated PHOSPHOORGANICS | 14 14 14 14 15 15 | 14 14 14 14 15 15 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 93857-52-4 93776-29-5 93776-27-3 | 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-), hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) | poly perfluorinated PHOSPHOORGANICS | 14 14 14 14 15 15 15 | 14 14 14 14 15 15 15 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 93857-52-4 93776-29-5 93776-27-3 93776-30-8 | 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-), hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-ctacosafluoro-15-(rifiboromethy)-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) | poly perfluorinated PHOSPHOORGANICS | 14 14 14 14 15 15 15 15 | 14 14 14 14 15 15 15 15 15 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 93857-52-4 93776-29-5 93776-27-3 93776-30-8 432-08-6 | 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-onacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-onacosafluoro-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-onacosafluoro-, hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.6.6.6.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-onacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-onacosafluoro- hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-onacosafluoro- hydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-onacosafluoro- hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-onacosafluoro- hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-onacosafluoro- hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.6.6.6-ridecafluoro-N-N-bistiridecafluoro- hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.6.6.6-ridecafluoro- hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.6.6.6-ridecafluoro- hydrogen phospha | poly-perfluorinated PHOSPHOORGANICS poly-perfluorinated AMINES | 14 14 14 14 15 15 15 15 | 14 14 14 14 15 15 15 15 15 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-52-4 9387-52-4 93776-29-5 93776-29-5 93776-20-8 432.08-6 89987-98-4 | 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,51,61,61-onacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,31,31,41,41,51,51,61,61-onacosafluoro-, bidydrogen phosphate, diamnonium salt 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,51,61,61-onacosafluoro-, hydrogen phosphate, amnonium salt 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,51,61,61-onacosafluoro-, hydrogen phosphate, compd. with 2,2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,51,61,61-onacosafluoro-15-(trifluoromethyl)-, dhydrogen phosphate 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,31,31,41,41,51,61,61-ocacosafluoro-15-(trifluoromethyl)-, dhydrogen phosphate 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,61,61-ocacosafluoro-15-(trifluoromethyl)-, hydrogen phosphate 1-Hexadecanol, 3,3,4,4,5,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,61,61-ocacosafluoro-15-(trifluoromethyl)-, hydrogen phosphate 1-Hexadecanol, 3,3,4,4,5,6,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,61,61-ocacosafluoro-15-(trifluoromethyl)-, hydrogen phosphate, amnonium salt 1-Hexadecanol, 3,3,4,4,5,6,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,61,61-ocacosafluoro-15-(trifluoromethyl)-, hydrogen phosphate, amnonium salt 1-Hexadecanol, 3,3,4,4,5,6,6,6,77,88,99,10,01,11,11,21,21,31,31,41,41,51,61,61-ocacosafluoro-15-(trifluoromethyl)-, hydrogen phosphate, compd. with 2,2-iminobis[ethanol] (1:1) 1-Hexamosulino number 1-Hexamosulino num | poly-perfluorinated PHOSPHOORGANICS poly-perfluorinated AII/SES poly-perfluorinated AII/SES poly-perfluorinated AII/SES | 14 14 14 14 15 15 15 15 | 14 14 14 15 15 15 15 6 6 |
| 93857-47-7 93857-33-5 93777-13-0 94291-75-5 93857-42-2 93857-62-4 93776-29-5 93776-27-3 93776-30-8 432-68-6 89987-98-4 68555-75-9 | 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-nonacosafluoro- hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.51.61.61-6-catacosafluoro-15-(rifiluoromethyl)-, dihydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-catacosafluoro-15-(rifiluoromethyl)-, hydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-catacosafluoro-15-(rifiluoromethyl)-, hydrogen phosphate, diamnonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-catacosafluoro-15-(rifiluoromethyl)-, hydrogen phosphate, ammonium salt 1-Hexadecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.21.21.31.31.41.41.51.61.61-6-catacosafluoro-15-(rifiluoromethyl)-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) 1-Hexadecanol, 3.3.4.4.5.5.6.6.6-ridecafluoro-New Neistridecafluoro-Neistridae fluoro-Neistridae fluoro-Neist | poly perfluorinated PHOSPHOORGANICS poly perfluorinated AILANIOYL/SULFONYL CHLORIDE or FLUORIDES N-alkyl perfluoroallyl sulfonamides (FASAs) | 14 14 14 14 15 15 15 15 6 6 | 14 14 14 15 15 15 15 6 6 |
| 93857-47-7 93857-53-5 93777-13-0 94291-75-5 93857-42-2 93857-52-4 93776-29-5 93776-27-3 93776-30-8 432-08-6 89987-98-4 68555-75-9 85665-64-1 | Hesadecanol, 33.44.5.5.6.6.77.88.99,10,01,11,112,12,13,13,14,14,15,15,16,16-onacosafluoro-, dihydrogen phosphate Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,112,12,13,13,14,14,15,15,16,16-onacosafluoro-, higher phosphate Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16-onacosafluoro-, hydrogen phosphate, ammonium salt Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16-onacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16-onacosafluoro-, hydrogen phosphate, compd. with 2.2-iminobis[ethanol] (1:1) Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,16,16-onacosafluoro- (1)-iminoromicity)-, dhydrogen phosphate Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,16,16-onacosafluoro-15-(irifluoromethy)-, dhydrogen phosphate, ammonium salt Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,16,16-otacosafluoro-15-(irifluoromethy)-, bydrogen phosphate Hesadecanol, 33.44.5.5.6.6.77.88.99,10,10,11,11,12,12,13,13,14,14,15,16,16-otacosafluoro-15-(irifluoromethy)-, bydrogen phosphate, ammonium salt Hesadecanol, 33.44.5.5.6.6.77.88.99,10,11,11,12,12,13,13,14,14,15,16,16-otacosafluoro-15-(irifluoromethy)-, hydrogen phosphate, ammonium salt Hesadecanol, 33.44.5.5.6.6.77.88.99,10,11,11,12,12,13,13,14,14,15,16,16-otacosafluoro-15-(irifluoromethy)-, hydrogen phosphate, ammonium salt Hesadecanol, 33.44.5.5.6.6.77.88.99,10,11,11,12,12,13,13,14,14,15,16,16-otacosafluoro-15-(irifluoromethy)-, hydrogen phosphate, ammonium salt Hesadecanol, 33.44.5.5.6.6.6-ridecafluoro-N-N-bidydroxephyl-N-methyl- Hesanesulfonnide, 1,1,2,2,3,3,4,5,5,6.6-ridecafluoro-N-Calydroxyethyl-N-methyl- Hesanesulfonnide, 1,1,2,2,3,3,4,5,5,6.6-ridecafluoro-N-Calydroxyethyl-N-methyl- Hesanesulfonnide, 1,1,2,2,3,3,4,5,5,6.6-ridecafluoro-N-Calydroxyethyl-N-methyl- Hesanesulfonnide, 1,1,2,2,3,3,4,5,5,6.6-ridecafluoro-N-Calydroxyet | poly-perfluorinated PHOSPHOORGANICS poly-perfluorinated AIMANIES poly-perfluorinated AIMANIES Nalky-perfluorinated National CFASAs) | 14 14 14 14 15 15 15 15 6 6 6 6 | 14 14 14 14 15 15 15 15 6 6 6 |

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|--|---|--|---|----|----|
| Monther of Virginian Column (1997) 1997 | | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,5,5,6,6-fridecafluoro-N-2-propenyl- | | 6 | 6 |
| | 68259-15-4 | • | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 67939-92-8 | | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| | 50598-28-2 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 73772-33-5 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| Manustrace Manustrace Septiminary (COMMONSTANCE) 1 | | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 73772-34-6 | 1-Hexanesulfonamide, N-{3-(dimethylamino)propyl}-1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-N-{2-{2-(2-hydroxyethoxy)ethoxy)ethoxy }- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 30295-56-8 | 1-Hexanesulfonamide, N-{3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,5,5,6,6-tridecafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 178094-71-8 | 1-Hexanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 34455-03-3 | 1-Hexanesulfonamide, Nethyl-1,1,2,2,3,3,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 67969-65-7 | 1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonooxy)ethyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| | 68239-75-8 | 1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,-pentadecafluoro-N-{3-(trimethoxysily)propyl}- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 7 | 7 |
| | 355-46-4 | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| | 68259-08-5 269-511-6 | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,6,6,6-tridecafluoro-, ammonium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| | 70225-16-0 | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| | 55120-77-9 | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,6,6,6-tridecafluoro-, lithium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| | 3871-99-6 223-393-2 | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| | 82382-12-5 | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,6,6-tridecafluoro-, sodium salt | | 6 | 6 |
| No. | 55591-23-6 | 1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,5,5,6,6-tridecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
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| | | 1-Hexanesulfonyl fluoride, 1,1,2,2,3,4,4,5,6,6,6-tridecafluoro- | | 6 | + |
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| 93776-19-3 | , , , , , , , | | P-7/P | | |
| 93776-284 1-Octadecanol, 33,44,55,66,77,88,99,10,10,11,11,12,13,14,14,15,15,16,16,17,18,18,18-deriacontalluoro-17-(trilluoromethy)-, hydrogen phosphate, ammonium salt polyperfluorinated PHOSPHOORGANICS 17 17 17 17 17 17 17 1 | 70001 10 0 | *************************************** | T. P. C. | | |
| 93776-31-9 1-Oxtadecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9-pata-calluror-or-(influoromethyl), hydrogen phosphate, compd. with 2.2*-ininobis[ethanol] (1:1) poly/perfluorinated PHOSPHOORGANICS 17 17 307-29 1-Oxtanesilfinacia, 1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-pata-calluror-or-solium salt 1-Oxtanesilfinacia (1.1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-pata-calluror-or-solium salt 1-Oxtanesilfinacia (1.1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-beptacealluror-or-solium salt 1-Oxtanesilfinacia (1.1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-beptacealluror-or-solium salt 1-Oxtanesilfinacia (1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-beptacealluror-or-compd. with N. diethylethanamine (1:1) 8 8 8 8 8 8 8 8 8 | | | 1.71 | | |
| 1 Octanomine 2,23,3,4,55,66,77,8,88-pentadecafluoro-, sodium salt 1,12,23,3,44,55,66,77,8,88-pentadecafluoro-, sodium salt 1,22,33,44,55,66,77,8,88-pentadecafluoro-, compd. with NN-diethylethanamine (1:1) 1,22,33,44,55,66,77,8,88-pentadecafluoro-, compd. with NN-diethylethanamine (1:1) 1,22,33,44,55,66,77,8,88-pentadecafluoro-Nc2-hydroxyethyl-N-methyl- (NdeFOSE) 1,2448-097 1,243,344,55,66,77,8,88-pentadecafluoro-Nc2-hydroxyethyl-N-methyl- (NdeFOSE) 1,243,344,55,66,77,8,88-pentadecafluoro-Nc2-hydroxyethyl-N-methyl-Nc2-hydroxyethy | | | T. P. C. | | |
| | | | | | |
| 754-91-6 212-04-6 1-Octanesulfonamide, 1,12,2,3,3,4,5,5,6,6,7,8,8,3-beptadecafluoro-, compd. with NN-diethylethanamine (1:1) 9 9 9 9 9 9 9 9 9 | | | | 7 | |
| 76752824 278-541-9 1-Octanesulfonamide, 1,12,2,3,3,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-Q-hydroxyethyl-N-methyl- (NdeFOSE) Nalky perfluoralkyl sulfonamides (FASAs) 8 8 8 8 8 8 8 8 8 | | · · · · · · · · · · · · · · · · · · · | | 8 | |
| 1-Octanesulfonamide, 1,1,2,2,3,4,4,5,6,6,7,8,8,3-heptadecaffuoro-N-(2-hydroxyethyl)-N-methyl- (N-MePOSE) | | · | | | _ |
| 4236-15-1 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-(2-bydroxybity)N-propyl- 68239-73-6 O-tanesulfonamide, 1,12,2,3,3,4,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-(4-bydroxybity)N-empty) 69239-73-6 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-(4-bydroxybity)N-empty) 6939-82-3 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-(4-bydroxybity)N-empty) 6939-82-3 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-(4-bydroxybity)N-empty) 6939-82-3 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-bits(2-bydroxyethy)- 694-84-44 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-2-property- 694-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8,8-beptadecafluoro-N-2-property- 695-84-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-2-property- 696-84-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-2-property- 697-84-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-2-property- 698-84-84-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-2-property- 698-84-84-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-2-property- 698-84-84-84-84-84 O-tanesulfonamide, 1,12,2,3,3,4,5,5,6,7,7,8,8-beptadecafluoro-N-2-property- 698-84-84-84-84-84-84-84-84-84-84-84-84-84 | | | | | |
| | | | | 8 | 8 |
| 1-Octanesulfonamide, 1,1,2,2,3,4,4,5,6,6,7,8,8,8-heptadeculfuoro-N-(phenylmethyl)- 1-Oc | | | (1111) | 8 | 8 |
| 40630-613 | | | | 8 | 8 |
| 1-Octanesulfonamide, 1,1,2,2,3,4,4,5,6,6,7,8,8,8-heptadecaffuoro-N-[2-(phosphonoxy)ehyl]-N-propyl- | | | | | |
| 423 86-9 1-Octanesulfonamide, 1,1,2,2,3,4,4,5,6,6,77,8,88-heptadecafluoro-N-2-propenyl- Nealityl perfluoroalkyl sulfonamides (FASAs) 8 31506-32-8 1-Octanesulfonamide, 1,1,2,2,3,4,4,5,6,6,77,8,88-heptadecafluoro-N-methyl- Nealityl perfluoroalkyl sulfonamides (FASAs) 8 348144-85-4 1-Octanesulfonamide, 1,1,2,2,3,4,4,5,6,6,7,8,88-heptadecafluoro-N-methyl-N-(i3-octadecyl-2-oxo-4-oxazolidinyl)methyl- Nealityl perfluoroalkyl sulfonamides (FASAs) 8 | | | | | |
| 3156-328 I-Octanesulfonamide, I,1,2,2,3,4,4,5,6,6,7,8,8,8-heptadecafluoro-N-methyl- Neikyl perfluoroalkyl sulfonamides (FASAs) 8 8 348144-854 I-Octanesulfonamide, I,1,2,2,3,4,4,5,6,6,7,8,8,8-heptadecafluoro-N-methyl-N-(i3-octadecyl-2-oxo-4-oxazoidinyl)methyl- Neikyl perfluoroalkyl sulfonamides (FASAs) 8 8 Neikyl perfluoroalkyl sulfonamides (FASAs) 8 Neikyl perfluoroalkyl sulfonamides | | | | 8 | |
| 348144.854 I-Oxtanesulforamide, 1,1,2,2,3,3,4,5,5,6,6,7,3,8,8-beptadecafluoro-N-methyl-N-(i3-oxtudecyl-2-oxo-4-oxazolidinylmethyl)- 8 8 | 120 00 / | 1111 | | 8 | 8 |
| | | | | 8 | 8 |
| 188704-55-9 1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecaffuoro-N-methyl-N-(13-octadecyl-2-oxo-5-oxazolidinyl)methyl-1 N-alkyl perfluoroalkyl sulfonamides (FASAs) 8 8 | | | | 8 | 8 |
| | 138704-55-9 | 1-Octanesulfonamide, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |

| 51619-73-9 | 1-Octanesulfonamide, 3,3,4,5,5,6,6,7,7,8,88-tridecafluoro-N-(2-hydroxyethyl)-N-methyl- | poly/perfluorinated SULFONAMIDES | 6 | 6 |
|--|--|--|---|--|
| 30381-98-7 | 1-Octanesulfonamide, N.N'-(phosphinicobis(oxy-2,1-ethanediyl))bis(N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt (1:1) | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 2250-98-8 | 1-Octanesulfonamide, N.N.N*-[phosphinylidynetris(oxy-2,1-ethanediyl)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-beptadecafluoro- | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 2965-52-8 | 1-Octanesulfonamide, N,N-[phosphimicobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro- | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 13417-01-1 | 1-Octanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,5,5,6,6,7,7,8,88-fluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 67939-88-2 | 1-Octanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,5,5,6,6,7,7,8,88-heptadecafluoro-, monohydrochloride | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 34455-22-6 608-993-8 | 1-Octanesulfonamide, N-[3-(dimethylamino)propyl]-3.3,4,5.5,6,6,7.7,8,88-tridecafluoro- | poly/perfluorinated SULFONAMIDES | 6 | 6 |
| 80475-32-7 279-481-6 | 1-Octanesulfonamide, N-[3-(dimethylamino)propyl]-3,3,4,5,5,6,6,7,7,8,8-tridecafluoro-, N-oxide | poly/perfluorinated SULFONAMIDES | 6 | 6 |
| 30295-51-3 | 1-Octanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 178094-69-4 | 1-Octanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,5,5,6,6,7,8,8,8-beptadecafluoro-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 24924-36-5 | 1-Octanesulfonamide, N-allyl-N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 2263-09-4 | 1-Octanesulfonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 68649-26-3 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,33,4,5,5,6,67,7,8,88-heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,2,3,4,4,5,6,6,7,7,Pentadecafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,5,6,6,7,7,Pentadecafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,5,6,6,7,7,Pentadecafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,5,6,6,7,7,Pentadecafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,3,3,4,5,6,6,7,7,Pentadecafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-ethyl-1,1,2,2,3,4,5,6,6,7,7,Pentadecafluoro-N-(2-hydroxyethyl)-1-butanesulfonamide, N-e | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 67969-69-1 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,33,4,4,5,5,6,6,7,8,8,8-heptadecafluoro-N-[2-(phosphonooxy)ethyl-], diammonium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 4151-50-2 223-980-3 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 1691-99-2 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 1-53-2 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)- polymer with acrylic acid, azodiosobutyronitrile, isobutyl methacrylate, TDI, triethylamine and trimethylolpropane | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 3820-83-5 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8-heptadecafluoro-N-[2-(phosphonoxyyethyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 67939-42-8 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[3-(trichlorosilyt))propyl- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 8 | 8 |
| 61660-12-6 | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,8,8.8-heptadecafluoro-N-[3-(trimethoxysily)propyl]- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 8 | 8 |
| 1763-23-1 217-179-8 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,7,7,8,8-heptadecafluoro- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| | | 1 71 | | |
| 56773-42-3 260-375-3 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-beptadecafluoro- salt with ethanaminium, N.Ntriethyl- (1:1); ("Ethanaminium, N.Ntriethyl-, salt with 1,1,2,2,3,4,4,5,5,6,6,7,7,8,8-beptadecafluoro-1-octanesulfonic acid (1:1)") | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 29081-56-9 249-415-0 | 1-Octanesulfonic acid. 1,1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.8-heptadecafluoro-, ammonium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 90480-49-2 | 1-Octanesulfonic acid, 1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.8-heptadecafluoro, branched, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 70225-14-8 274-460-8 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-, compd. with 2,2-iminobis[ethanol] (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 71463-74-6 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,8-heptadecafluoro-, compd. with piperidine (1:1) | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| 29457-72-5 249-644-6 | 1-Octanesulfonic acid, 1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8-heptadecafluoro-, lithium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 91036-71-4 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,8-beptudecafluoro-, magnesium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 64202-77-3 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, monoamide with NN-bis(2-uninoethyl)+1,2-ethanediamine | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 2795-39-3 220-527-1 | 1-Octavestifonic acid, 1,1,2,2,3,3,4,5,5,6,7,7,8,8-heptadecafthoro-potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 71500-44-2 | 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-bexadecafluoro-7(trifluoromethyl)- 1-Octanesulfonic acid, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,8-bexadecafluoro-7(trifluoromethyl)-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 9 | 9 |
| 40365-28-4 | 1-Octanesurronic acid, 1,1,2,2,5,5,4,4,5,5,0,6,7,8,8,8-nexadecariuoro-/(trifluorometnyl)-, potassium sait | poly/perfluorinated SULFONIC/SULFINIC ACIDS | | 9 |
| | Output lifeting and 2.244556677900 pilloning | | - 1 | |
| 27619-97-2 248-580-6 | 1-Octanesulfonic acid, 3,3,4,5,5,6,6,7,8,8,8-tridecafluoro- | poly/perfluorinated SULFONAMIDES | 6 | 6 |
| | 1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8-tridecafluoro- ("1H,1H,2H,2H-perfluorooctanesulfonic acid") | poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 8 | 6 8 |
| 59587-39-2 | 1-Octanesulfonic acid, 3,3,4,5,5,6,6,7,7,8,8-tridecafluoro- ("1H.1H.2H.2H-perfluorooctanesulfonic acid") 1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8-tridecafluoro-, ammonium salt | poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 8 | 6 8 6 |
| 59587-39-2 59587-38-1 261-818-3 | 1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,77,8,8-tridecafluoro- ("1H,1H,2H,2H-perfluorocctanesulfonic acid") 1-Octanesulfonic acid, 3,3,4,5,5,6,6,77,8,8-tridecafluoro-, ammonium salt 1-Octanesulfonic acid, 3,3,4,5,5,6,6,7,8,8-tridecafluoro-, potassium salt | poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONICSULFINIC ACIDS poly/perfluorinated SULFONICSULFINIC ACIDS poly/perfluorinated SULFONICSULFINIC ACIDS poly/perfluorinated SULFONICSULFINIC ACIDS | 6 8 6 6 | |
| 59587-39-2 59587-38-1 261-818-3 27619-89-2 248-576-4 | 1-Octanesulfonic acid, 3.3.4.4.5.5.6.6.7.7.8.8-tridecafluoro- ("1H,H;2H;2H-perfluorocctanesulfonic acid") 1-Octanesulfonic acid, 3.3.4.5.5.6.6.7.7.8.8-tridecafluoro-, ammonium salt 1-Octanesulfonic acid, 3.3.4.5.5.6.6.7.7.8.8-tridecafluoro-, potassium salt 1-Octanesulfonic chloride, 3.3.4.4.5.5.6.6.7.7.8.8-tridecafluoro- | poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated ALKANOYL/SULFON/YL CHLORIDE or FLUORIDES | 6 | 6 6 |
| 59587-39-2 59587-38-1 261-818-3 27619-89-2 248-576-4 307-35-7 206-200-6 | I-Octanesulfonic acid, 3,3,4,5,5,6,6,7,8,8-tridecafluoro- (*1H.IH.2H.2H-perfluorooctanesulfonic acid") I-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,8,8-tridecafluoro-, ammonium salt I-Octanesulfonic acid, 3,3,4,5,5,6,6,7,8,8-tridecafluoro-, potassium salt I-Octanesulfonic acid, 3,3,4,4,5,6,6,7,8,8-tridecafluoro- I-Octanesulfonyl chloride, 3,3,4,4,5,6,6,7,8,8-tridecafluoro- I-Octanesulfonyl fluoride, 1,1,2,2,3,4,4,5,6,6,7,8,8-teptadecafluoro- | poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated SULFON/CSULFINIC ACIDS poly/perfluorinated AU-FON/CSULFON/SULFON/LCBUDE or FLUORIDES poly/perfluorinated AU-KANOY/LSULFON/YL CHLORIDE or FLUORIDES poly/perfluorinated AU-KANOY/LSULFON/YL CHLORIDE or FLUORIDES | 6 6 8 | 6 6 6 8 |
| 59587-39-2 59587-38-1 261-818-3 27619-89-2 248-576-4 307-35-7 206-200-6 90480-50-5 | 1-Octanesulfonic acid, 3.3,4.4.5,5.6.6.7.7.8,8-tridecafluoro- (*1H.1H.2H.2H-perfluorooctanesulfonic acid*) 1-Octanesulfonic acid, 3.3,4.4.5,5.6.6.7.7.8,8-tridecafluoro-, ammonium salt 1-Octanesulfonic acid, 3.3,4.4.5,5.6.6.7.7.8,8-tridecafluoro-, potassium salt 1-Octanesulfony chioride, 3.3,4.4.5,5.6.6.7.7.8,8-tridecafluoro- 1-Octanesulfony) fluoride, 1.1.2.2.3,3.4.4.5.5.6.6.7.7.8,8-tridecafluoro- 1-Octanesulfony) fluoride, 1.1.2.2.3,3.4.4.5.5.6.6.7.7.8,8-tridecafluoro- 1-Octanesulfony) fluoride, 1.1.2.2.3,3.4.4.5.6.6.7.7.8,8-tridecafluoro-, branched | poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 6 8 8 | 6 6 6 8 |
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| Section Description Control | | | | | |
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| Manufact Manufact | 68259-09-6 269-512-1 | 1-Pentanesulfonic acid, 1,1,2,2,3,3,4,5,55-undecafluoro-, ammonium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 5 | 5 |
| March Marc | 70225-17-1 | 1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, compd. with 2,2-iminobis[ethanol] (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 5 | 5 |
| March | 375-81-5 | 1-Pentanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5-undecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 5 | 5 |
| March Marc | 355-80-6 206-593-4 | 1-Pentanol, 2,2,3,3,4,5,5-octafluoro- | poly/perfluorinated ALKOHOLS | 5 | 5 |
| | 355-86-2 206-595-5 | 1-Pentanol, 2,2,3,3,4,5,5-octafluoro-, phosphate (3:1) | poly/perfluorinated PHOSPHOORGANICS | 5 | 5 |
| March | 376-87-4 | 1-Pentene, 1,1,2,3,3,4,5,5,5-decafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| | 1547-26-8 | 1-Pentene, 2,3,3,4,5,5-heptafluoro- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| | 15453-08-4 | 1-Pentene, 4,5-epoxy-1,1,2,3,3,4,5,-octafluoro- | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
| | | 1-Propanamine, 1,1,2,2,3,3,-heptafluoro-N,N-bis(1,1,2,2,3,3)-heptafluoropropyl)- | poly/perfluorinated AMMONIUM ORGANICS | 3 | 3 |
| | | | | | |
| | 75033-26-0 | 1-Pronanaminium 2-Hitheotadecafluorooctvl/sulfonvlaminol-N.N.N-trimethyl- iodide | poly/perfluorinated SULEONAMIDES | 8 | 8 |
| | 70983-60-7 275-091-5 | 1-Propanaminium, 2-hvdroxy-N.NN-trimethyl-, 3-[(zamma-omega-perfluoro-C6-20-alkylythio] derivs, chlorides | poly/perfluorinated SULFONAMIDES | 6 | 20 |
| | | | I and the second | - | |
| | 65605-62-1 | 1-Propanaminium, 2-hydroxy-N,NN-trimethyl-3-(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with .alphafluoro-omega{2-{(2-methyl-1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl)-2-methyl-2-propenous, N-(hydroxymethyl)-2-propenous, N-(hydroxymethyl)-2-p | poly/perfluorinated POLYMERS | | |
| | 68318-36-5 | 1-Propanaminium, 3-{(carboxymethyl){(heptadecafluorooctyl)sulfonyl]amino}-N,N,-trimethyl-, hydroxide, inner salt | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| | 38850-52-1 | 1-Propanaminium, 3-{(carboxymethyl){(rridecafluorohexyl)sulfonyl]amino]-N.N.N-trimethyl-, hydroxide, inner salt | poly/perfluorinated SULFONAMIDES | 6 | 6 |
| | 438237-77-5 | 1-Propanaminium, 3-[[(3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]aminoj-N,N/-trimethyl-, salt with 4-methylbenzenesulfonic acid (1:1) | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| | 94133-91-2 | 1-Propanaminium, 3-[[(heptadecafluorooctyl)sulfonyl](2-hydroxy-3-sulfopropyl)amino]-N-(2-hydroxyethyl)-N,N-dimethyl-, hydroxide, monosodium salt | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| | 68298-11-3 | 1-Propanaminium, 3-[[(heptadecafluorooctyl)sulfonyl](3-sulfopropyl)amino]-N-(2-hydroxyethyl)-N,N-dimethyl-, inner salt | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| | 73149-44-7 | 1-Propanaminium, 3-[[(heptadecafluoroocty)sulfonylJanino]-N.N.N-trimethyl-, bromide | poly/perfluorinated SULFONAMIDES | 8 | - 8 |
| | 38006-74-5 | 1-Propanaminium, 3-{[Cheptadecafluorooxty]sulfonyl]amino]-N.N.N-trimethyl-, chloride | | 8 | 8 |
| | | 1-Proparaminium, 3-[[(heptadecafluorooctyl)sulfony[Jamino]-N.N.N-trimethyl-, hydroxide | | 8 | |
| | | | | 8 | |
| | 68310-75-8 | 1-Proganaminium. 3-ff/herdadecafluorooctvlsulfonvllaminol-N.N.N-trimethyl- iodide. ammonium salt | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| | | I may be a second of the secon | | 8 | - 8 |
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| 1952 | | The state of the s | 1 71 | 9 | 9 |
| 1975-06 1 Proposition N. Scharbeyegh (N. Scharbeyegh) (N. Scharbeyegh) (N. Scharbeyegh (N. Scharbeyegh) (N. Scharbeyegh (N. Scharbeyegh) (N. S | | | | 7 | |
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| ST71-15 Comparison Str. Comparison Str. Str. | | | | 12 | 12 |
| Popularisistes N. C. destroyably N. Kanagab Embadily aller (Langel) (La | | | | 6 | |
| | | | | | 1 |
| | 66008-72-8 | 1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-3-[methyl](3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulfonyl]aminoj-, hydroxide, inner salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| Propagatinian N. Academyangho 1-1(22.23.45.56.67.73.85.95) hepapatinian N. Academyangho 1-1(22.23.45.56.67.73.85.95) hepapatinian N. Academyangho 1-1(23.45.56.67.73.85.95) he | 81190-38-7 | 1-Propanaminium, N-(2-hydroxyethyl)-3-[(2-hydroxy-3-sulfopropyl)] ((tridecafluorohexyl)sulfonyl]amino]-N.N-dimethyl-, hydroxide, monosodium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 38850-58-7 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| Popularitium, Neutropopund[10-2](13.34.55.66.173.88.98.10.10.11.11.21.12.12.10.10.10.10.10.10.10.10.10.10.10.10.10. | 77958-18-0 | 1-Propanaminium, N-(carboxymethyl)-3-{(2,2,3,3,4,5,5,6,6,7,7,8,8,9,9-beptadecafluoro-1-oxononyl)amino]-N,N-dimethyl-, inner salt | poly/perfluorinated AMINES | 8 | 8 |
| Popularinium, Nearbowynethy 5-High-parkeachaneous planting Humandes L. IASAN Popularinium Nearbowynethy Nearbo | 34455-21-5 | 1-Propanaminium, N-(carboxymethyl)-3-[[(3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl]aminoj-N.N-dimethyl-, inner salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 1901-1517 Propamminium, N (carboxymethyl)-NN-damethyl-3 (22.33,4.4.5.5.6.7,7.7.8.6.perhapediculinor), iner salt Propamminium, N (carboxymethyl-NN-damethyl-3 (22.33,4.4.5.5.6.7.7.8.8.8.perhapediculinor)-incores alter Propamminium, N (carboxymethyl-NN-damethyl-3 (22.33,4.4.5.5.6.7.7.8.8.perhapediculinor)-incores alter Propamminium, N (carboxymethyl-NN-damethyl-3 (22.33,4.4.5.5.6.7.7.8.8.perhapediculinor)-incores alter Propamminium, N (carboxymethyl-NN-damethyl-3 (22.33,4.4.5.5.6.7.7.8.8.perhapediculinor)-incores alter Propamminium, N (carboxymethyl-NN-damethyl-3 (10.3.4.6.5.6.7.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-NN-damethyl-3 (10.3.4.6.5.6.7.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-NN-damethyl-3 (10.3.4.6.5.6.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-NN-damethyl-3 (10.3.4.6.5.6.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-3 (10.3.4.6.5.6.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-3 (10.3.4.6.5.6.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-3 (10.3.4.6.5.6.6.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-3 (10.3.4.6.5.6.6.7.8.8.perhapediculinor)-incores Propamminium, N (carboxymethyl-3 (10.3.4.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6 | 34455-35-1 | 1-Propanaminium, N-(carboxymethyl)-3-[[(3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,2,12,12-heneicosafluorododecyl)sulfonyl]amino]-N.N-dimethyl-, inner salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 | 10 |
| Popparaminium, N-(carboxymethyl-N-Medimethyl-3-[22,23,34,55,66,77,8,88-peradecafturor-1 coxexyljaminoj-, iner salt Popparaminium, N-(carboxymethyl-N-Medimethyl-3-[22,23,34,55,66,77,8,88-peradecafturor-1 coxexylyaminoj-, iner salt Popparaminium, N-(carboxymethyl-N-Medimethyl-3-[22,33,44,55,66,77,8,88-peradecafturor-1 coxexylyaminoj-, iner salt Popparaminium, N-(carboxymethyl-N-Medimethyl-3-[22,33,44,55,66,77,8,88-peradecafturor-2 coxexylyaminoj-, iner salt Popparaminium, N-(carboxymethyl-N-Medimethyl-3-[20,34,45,56,67,7,8,88-peradecafturor-2 coxexylyaminoj-, iner salt Popparaminium, N-N-medimethyl-3-[20,34,45,56,67,7,8,88-peradecafturor-2 coxexylyaminoj-, inediz Popparaminium, N-N-medimethyl-3-[20,34,45,56,67,7,8,8,9,48-p | 75046-16-1 | 1-Propanaminium, N-(carboxymethyl)-3-[[(heptadecafluoroocyt)]sulfonyl]amino]-N.N-dimethyl-, inner salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| Popuminium, Nc-(antoxymethy)-N.N-dimethy)-3{(22,33,44,55,66,77,88,99,10,10)-mondaculturor-1-condexyltaminor), inner salt polyperfluorinated AMINES 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 130114-31-7 | 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-3-{(2,2,3,3,4,5,5,6,6,7,7-tridecafluoro-1-oxoheptyl)amino]-, inner salt | poly/perfluorinated AMINES | 6 | 6 |
| 1973-14-74 Programminium, N. (carbosywaethyl-N.Ndimethyl-3-[[23.34.8.5.5.6.6.77.3.8.8.9.9.1.0]. (1.0) counted-admiror-1 cowdey) lyminoj, inere sal | 90179-39-8 | 1-Propanaminium, N-(carboxymethyl)-N,N-dimethyl-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-, inner salt | poly/perfluorinated AMMONIUM ORGANICS | 7 | 7 |
| \$\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 70674-74-7 | 1-Propanaminium, N-(carboxymethyl)-NN-dimethyl-3-{(2,2,3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)amino]-, inner silt | | 9 | 9 |
| Proparaminium, N/Carboxymethyl-N/3-[[(heptadecalhoroccyt))-unifonyl]_minolpopyl]-2-hydroxy-N/2-hydroxy-3-unifopropyl)-3-unifo, trisodium salt Proparaminium, N/N-Frimethyl-2(or 3)-[[[-1][44,55.5-pentalhoroc-2-(pentalhorocchyl)-1-pentalyliapylphenyl)-pentalyliapylphenyl)-pentalyliapylphenyl-pentalyliapy | 34455-29-3 252-046-8 | 1-Propanaminium, N-(carboxymethyl)-N.N-dimethyl-3-[[(3.3.4.4.5.5.6.6.7.7.8.8,+C339458-tridecafluorooctyl)sulfonyl]amino]-, inner salt | | 6 | 6 |
| Proparaminium, N/Carboxymethyl-N/3-[[(heptadecalhoroccyt))-unifonyl]_minolpopyl]-2-hydroxy-N/2-hydroxy-3-unifopropyl)-3-unifo, trisodium salt Proparaminium, N/N-Frimethyl-2(or 3)-[[[-1][44,55.5-pentalhoroc-2-(pentalhorocchyl)-1-pentalyliapylphenyl)-pentalyliapylphenyl)-pentalyliapylphenyl-pentalyliapy | 66008-71-7 | 1-Proparaminium, N-(carboxymethyl)-N.N-dimethyl-3-[methyl[(3,34.4,5,5,66,7,7.8.8-tridecafluorooctyl)sulfonyl]aminoj-, hydroxide, inner salt | 71 | 6 | 6 |
| Propanaminium N.N.V-trimethyt-2(or 3) [1- [1- [4.5.5.5-pentafluoro-3-pentafluoro-3-pentafluoro-3-pentafluoro-3-pentafluoro-1-penteryllog/phenylludinopl/nethyl sulface S3517-98.9 Propanaminium N.N.V-trimethyl-3- [(2.3.3.4.4.5.5.6.6.7.7.8.8.8-pertadecafluoro-1-coxoxyl)minoj-, chloride polyperfluorinated CABGOX/LIC ACIDS 7 7 7 7 7 7 7 7 7 | | | 1 | | |
| 1-Propanaminium, N.N.N-trimethyl-3-[(2,2,3,4,4,5,6,6,77,8,8,8-pentadecalluoro-t-oxocytylunino]-, chloride | | | 1 1 | 1 | |
| 1-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2 | | | | 7 | |
| Propanaminium N.N.N trimethyl-3-[[(noraldecafluoronosyl)sulfonyl]amino]-, iodide | | The second of the second secon | Party Party | 6 | |
| 53518-006 1-Propanaminium, N.N.V-trimethyl-3-[[(nocafluorobutyl)sulfonyl]amino]-, chloride 4 4 6793-95-1 1-Propanaminium, N.N.V-trimethyl-3-[[(nocafluorobutyl)sulfonyl]amino]-, bidide 4 4 7023-52-28 1-Propanaminium, N.N.V-trimethyl-3-[[(nocafluorobutyl)sulfonyl]amino]-, sulfate (2-1) 7 6855-817 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, chloride Nally perfluorathyl sulfonamides (FASAs) 7 7 67584-584 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, sulfate (2-1) 7 7025-206 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, sulfate (2-1) 7 7026-206 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, sulfate (2-1) 7 7026-206 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, sulfate (2-1) 7 7026-206 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, sulfate (2-1) 7 80897-584 1-Propanaminium, N.N.V-trimethyl-3-[[(pentadecafluorobetyl)sulfonyl]amino]-, sulfate (2-1) 8 80897-584 1-Propanamin | | 1 y | 1.71 | 9 | 9 |
| 67939951 F-Propanaminium, N.N.N rimethyl-3-[[(nonathorobutyl)sulfonyl]amino], sulfate (2:1) Nalkyl perfluorointed AMMONIUM ORGANICS 4 4 | **** | | | | |
| 1-Propanaminium N.N.N-trimethyl-3-[[(noraldisorobutyl)sulfonyl]amino]-, salfate (2:1) 1-Propanaminium N.N.N-trimethyl-3-[[(pentadecafluorobeptyl)sulfonyl]amino]-, chloride Nalkyl perfluoroalkyl sulfonamides (FASAs) 7 7 7 7 7 7 7 7 7 | | 4 | | | |
| | | The state of the s | | 4 | - |
| 67584-58.1 1-Propanaminium, N.N.v trimethyl-3-[(pentadecafluorobeptyl)sulfonyl]amino]-, iodide polyjeeffluorinated AMMONIUM ORGANICS 7 7 7025-20-6 1-Propanaminium, N.N.v trimethyl-3-[(pentadecafluorobeptyl)sulfonyl]amino]-, sulfate (2:1) Nalky perfluorally sulfonamides (FASAs) 7 7 5216-82-2 1-Propanaminium, N.N.v trimethyl-3-[(iridecafluorobeptyl)sulfonyl]amino]-, clotide 6 6 68957-58-4 1-Propanaminium, N.N.v trimethyl-3-[(iridecafluorobeptyl)sulfonyl]amino]-, iodide polyjeeffluorinated AMMONIUM ORGANICS 6 6 70248-52-1 1-Propanaminium, N.N.v trimethyl-3-[(iridecafluorobesyl)sulfonyl]amino]-, sulfate (2:1) 6 6 | | The second of th | | 4 | 4 7 |
| 1- | | 7 | | - | |
| 5216-82.2 1-Propanaminium, N.Ntrimethyl-3-[[(tridecafluorohexyl)sulfonyl]amino]-, chloride 8-d 68957-84.4 1-Propanaminium, N.Ntrimethyl-3-[[(tridecafluorohexyl)sulfonyl]amino]-, chloride 6 6 70248-52.1 1-Propanaminium, N.Ntrimethyl-3-[[(tridecafluorohexyl)sulfonyl]amino]-, sulfate (2:1) 6 6 | | den en y a y en en X e mille merce en en X X y e e a y e e e | 177 | | |
| 68957-884 1-Propanaminium, N.Ntrimethyl-3-[[(tridecafluorohexyl)sulfonyl]amino]-, iodide polyperfluorinated AMMONIUM ORGANICS 6 6 70248-52.1 1-Propanaminium, N.Ntrimethyl-3-[[(tridecafluorohexyl)sulfonyl]amino]-, sulfate (2:1) Nallty perfluoralltyl sulfonamides (FASAs) 6 6 | | | | | |
| 70348-52.1 1-Propanaminium, N.Ntrimethyl-3-[[(tridecafluorosbexylyaulfonyl]amino]-, sulfate (2:1) 6 6 | | | | 6 | 6 |
| | | | | 6 | 6 |
| 68957.55-1 1-Propanaminium, N.Ntrimethyl-3-[[undecafluoropenylyaiflonyljamino], chloride Nalkyl perfluoroalkyl sulfonamides (FASAs) 5 5 | | | 71 | | |
| | 68957-55-1 | 1-Propanaminium, N.N.N-trimethyl-3-[[(undecafluoropentyl)sulfonyl]amino]-, chloride | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |

| 68957-57-3 | 1-Propanaminium, N.N.N-trimethyl-3-[[(undecafluoropentyl)sulfonyl]amino]-, iodide | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
|--|---|--|---|--|
| 70225-24-0 | 1-Propanaminium, N.N.N-trimethyl-3-[[(undecafluoropentyl)sulfonyl]amino]-, sulfate (2:1) | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 93894-72-5 | 1-Propanaminium, N.N-diethyl-3-[[(beptadecafluoroisooctyl)sulfonyl]amino]-N-methyl-, iodide | poly/perfluorinated IODIDES | 8 | 8 |
| 93803-06-6 | | poly/perfluorinated IODIDES | 8 | 8 |
| 93762-11-9 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 93762-12-0 | 1-Propanesulfonamide, 1,1,2,3,3-hexafluoro-N.N-bis(2-hydroxyethyl)-2-(trifluoromethyl)- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| | 1-Propanesulfonic acid, 1,1,2,2,3,3-heptafluoro- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 2 | 2 |
| 93762-09-5 | 1-Propanesulfonic acid, 1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 93894-52-1 | 1-Propanesulfonic acid, 1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)-, anhydride | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 93762-10-8 | 1-Propanesulfonic acid, 1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 484023-82-7 | 1-Propanesulfonic acid, 2-hydroxy-3-{(2-hydroxyethyl)[(nonafluorobutyl)sulfony] amino]-, monoammonium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 484023-83-8 | 1-Propanesulfonic acid, 2-hydroxy-3-{ethyl[(nonafluorobutyl)sulfony]amino]-, monoammonium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 68187-47-3 269-100-1 | 1-Propanesulfonic acid, 2-methyl-, 2-{[1-xxx-3-{](.gammaomegaperfluoro-C4-16-alkyl)thio]propyl]amino]dcrivs, sodium salts | poly/perfluorinated TIOLS | 4 | 16 |
| 72785-08-1 | 1-Propanesulfonic acid, 3-{[3-(dimethylamino)propyl][(heptadecafluorooctyl)sulfonyl]amino]- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 94133-90-1 | 1-Propanesulfonic acid, 3-{[3-(dimethylamino)propyl][(heptadecafluorooctyl)sulfonyl]amino]-2-hydroxy-, monosodium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 38850-60-1 | 1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(tridecafluorohexyl)sulfonyl]amino]- | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| 73772-32-4 | 1-Propanesulfonic acid, 34[3-(dimethylamino)propyl][(tridecafluorohexyl)sulfonyl]amino]-2-hydroxy-, monosodium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| 85665-65-2 | 1-Propanesulfonic acid, 3-[[3-[[(heptadecafluorooctyl)sulfony]]amino]propyl]methylamino]-, monosodium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 89685-61-0 | 1-Propanesulfonic acid, 3-[ethyl(2,2,3,3,4,5,5,6,6,7,7,8,8,9-pentadecafluoro-loxoctyl)anino]-, sodium salt | OTHER poly/perfluorinated ORGANICS | 7 | 7 |
| 75032-81-4 | 1-Propanesulfonic acid, 3-{ethyl[(heptadecafluorocctyl)sulfonyl]amino]-, sodium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 192575-94-3 | 1-Propanol, 2,3,3,3-tetrafluoro-2-{1,1,2,3,3,3-kexafluoro-2-{(1,1,2-tifluoro-2-propen-1-yl)oxy]propoxy}-, polymer with 1,1,1,2,2,3-keptafluoro-3-{(1,2,2-tifluoroethenyl)oxy]propane and 1,1,2,2-tetrafluoroethene | Polytetrafluoroethylene (PTFE) | 2 | 3 |
| 70983-61-8 | 1-Propanol, 2,3-bis[(gamma-omega-perfluoro-C6-20-alkyl)finjo] derivs. | poly/perfluorinated TIOLS | 6 | 20 |
| 25212-05-9 | 1-Propen-2-ol, 3,3,3-trifluoro-, acetate, polymers | poly/perfluorinated POLYMERS | | |
| 116-15-4 | 1-Propene, 1,1,2,3,3,3-hexafluoro- | poly/perfluorinated ALKANES/ALKENES | 3 | 3 |
| | 1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd. (*1,1,2,3,3-Hexafluoro-1-propene, oxidized, polymd.*) | poly/perfluorinated POLYMERS | | 1 |
| 108144-05-4 | 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 63654-41-1 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with 1,1,1,2,2,3-3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 878545-84-7 | 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1,2,2-tertafluoroethene, 1,1,2-trifluoro-2-(1,1,2,2,2-pentafluoroethoxy)ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene | Polytetrafluoroethylene (PTFE) | | |
| 25190-89-0 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,1,2,2-tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 68182-34-3 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with 1,1-difluoroethene, 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 57570-64-6 | 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene, 1,1,2,2-tetrafluoroethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene | Polytetrafluoroethylene (PTFE) | | |
| 149935-01-3 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with 1,1-difluoroethene, ethene, 1,1,2,2-tetrafluoro-ethene and 1,1,2-trifluoro-2-(trifluoromethoxy)ethene | Polytetrafluoroethylene (PTFE) | | |
| 60918-85-6 | 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with bromotrifluoroethene, 1,1-diffluoroethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 64155-70-0 | 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with chlorotrifluoroethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 95325-75-0 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with chlorotrifluoroethene, 1,1-difluoroethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 35560-16-8 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with ethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 74499-71-1 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with ethene, 1,1,1,2,2,3-heptafluoro-3-((trifluoroethenyl)oxy)propane and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 74499-69-7 | 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with ethene, tetrafluoroethene and 3-(1,1,2,2-tetrafluoroethoxy)-1-propene | Polytetrafluoroethylene (PTFE) | | |
| 158706-63-9 | 1-Propene, 1,1,2,3,3-hexafluoro-, polymer with tetrafluoro-ethene, oxidized | Polytetrafluoroethylene (PTFE) | | |
| 74499-70-0 | 1-Propene, 3-(1,1,2,2-tetrafluoroethoxy)-, polymer with ethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 63391-86-6 | 1-Propene, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy]propane and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 60918-86-7 | | Polytetrafluoroethylene (PTFE) | | |
| 27029-05-6 | 1-Propene, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 68758-57-6 272-148-6 | I-Tetradecanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,1,0,10,11,11,12,12,13,13,14,14,14-pentacosafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 12 | 12 |
| 39239-77-5 | | poly/perfluorinated ALKOHOLS | 12 | 12 |
| 57678-07-6 | | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 93857-46-6 | | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 57677-99-3 | I-Tetradecanol, 3,3,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluoro-, hydrogen phosphate | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 93776-22-8 | 1-Tetradecanol, 3,3,4,5,5,6,7,7,8,8,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluoro-, hydrogen phosphate, ammonium salt | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 57678-00-9 | | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 393098-42-5 | | poly/perfluorinated PHOSPHOORGANICS | 14 | 14 |
| | | * * * | | |
| 94200-57-4 | 1-Tetradecanol, 3,3,44,5,5,6,6,7,7,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)-, dihydrogen phosphate | poly/perfluorinated PHOSPHOORGANICS | 13 | 13 |
| 94200-57-4 | 1-Tetradecanol, 3,3,44,5,5,6,7,7,8,8,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)-, dihydrogen phosphate 1-Tetradecanol, 3,3,4,4,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)-, dihydrogen phosphate, diamnonium salt | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS | 13 | |
| | 1-Terndocunol, 33,445,5,667,7,88,99,10,11,11,12,12,13,14,14,14-terncosafloor-13-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt | poly/perfluorinated PHOSPHOORGANICS | | 13 |
| 94200-57-4 93857-51-3 93857-56-8 | 1-Terndecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.14.14.14-terncosaftuoro-13-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt 1-Terndecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.14.14.14-terncosaftuoro-13-(trifluoromethyl)-, hydrogen phosphate | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS | 13 13 | 13 13 |
| 94200-57-4 93857-51-3 93857-56-8 93776-26-2 | 1-Tetradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.14.14.14-tetracosafluoro-13-(trifluoromethyl)-, dihydrogen phosphate, diamnonium salt 1-Tetradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.14.14.14-tetracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate 1-Tetradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.14.14.14-tetracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, ammonium salt | poly perfluorinated PHOSPHOORGANICS poly perfluorinated PHOSPHOORGANICS poly perfluorinated PHOSPHOORGANICS poly perfluorinated PHOSPHOORGANICS | 13 | 13 |
| 94200-57-4 93857-51-3 93857-56-8 93776-26-2 94231-56-8 | 1-Tetradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.14.14.14-tetracosafluoro-13-(trifluoromethyl)-, dihydrogen phosphate, diamnonium salt 1-Tetradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.14.14.14-tetracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate 1-Tetradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.14.14.14-tetracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, ammonium salt | poly perfluorinated PHOSPHOORGANICS poly iperfluorinated PHOSPHOORGANICS poly iperfluorinated PHOSPHOORGANICS poly iperfluorinated PHOSPHOORGANICS poly iperfluorinated PHOSPHOORGANICS | 13 13 13 | 13 13 13 13 |
| 94200-57-4 93857-51-3 93857-56-8 93776-26-2 94231-56-8 93776-17-1 | 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10,11.11.12.12.13.14.14.14-terncosafluoro-13-(trifluoromethyl)-, fullydrogen phosphate, diammonium sult 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10,10.11.11.12.12.13.14.14.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate 1-Terndecanol, 3.3.4.5.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.14.14.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, ammonium sult 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.14.14.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 2.2-iminobis[ethanol] (1:1) 1-Tridecanaminium, 4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.13.13-leneicosafluoro-2-hydroxy-N.N-bis(2-hydroxyethyl)-N-methyl-, iodide | poly perfluorinated PHOSPHOORGANICS | 13 13 13 13 13 | 13 13 13 13 10 |
| 94200-57-4 93857-51-3 93857-56-8 93776-26-2 94231-36-8 93776-17-1 94159-77-0 | -Terndecanol, 33,445,566,77,88,99,10,11,11,12,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, bifugoga phosphate, diammonium salt -Terndecanol, 33,445,566,77,88,99,10,10,11,11,12,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, bydrogea phosphate -Terndecanol, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, bydrogea phosphate, comput 2,2-iminobis[ethanol] (1:1) -Tridecananiinium, 44,55,66,77,88,99,10,10,11,11,12,13,13,13-beneicosafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-; iodide -Tridecananiinium, 44,55,66,77,88,99,10,10,11,11,12,13,13,13-icosafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-; iodide | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated AMMONIUM ORGANICS poly/perfluorinated AMMONIUM ORGANICS | 13 13 13 13 | 13 13 13 13 10 |
| 94200-57-4 93857-51-3 93857-56-8 93776-26-2 94231-56-8 93776-17-1 94159-77-0 92071-84-6 | 1-Terradecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.14.14.14-terracosafluoro-13-(trifluoromethyl)-, dihydrogen phosphate, diammonium salt 1-Terradecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.14.14.14-terracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate 1-Terradecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.14.14.14-terracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, ammonium salt 1-Terradecanol, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.14.14.14-terracosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 2.2*(minobis[ethanol] (1:1) 1-Terradecanol, 4.3.5.6.6.77.8.8.9.9.10.10.11.11.12.13.13.13-henicosafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-1-(odde 1-Tridecanominium, 4.4.5.5.6.6.7.8.8.9.9.10.10.11.11.12.13.13.13-henicosafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-1-2(trifluoromethyl)-, iodde 1-Undecanominium, 4.4.5.5.6.6.7.8.8.9.9.10.10.11.11.11-heptadecafluoro-2-hydroxy-NN-trimethyl-, iodde | polyiperfluorinated PHOSPHOORGANICS polyiperfluorinated PHOSPHOORGANICS polyiperfluorinated PHOSPHOORGANICS polyiperfluorinated PHOSPHOORGANICS polyiperfluorinated AMMONIUM ORGANICS polyiperfluorinated AMMONIUM ORGANICS polyiperfluorinated AMMONIUM ORGANICS polyiperfluorinated AMMONIUM ORGANICS | 13 13 13 13 14 10 11 8 | 13 13 13 13 10 11 8 |
| 94205-57-4 93857-51-3 93857-56-8 9377-6-26-2 94231-56-8 9377-6-17-1 94159-77-0 92071-84-6 93776-18-2 | 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.10,10,11,11,21,21,31,41.4.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, diamnonium sult 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.10,10,11,11,12,12,13,14,14.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.10,10,11,11,12,12,13,14,14.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 2,2-iminobis[ethanol] (1:1) 1-Terndecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.10,10,11,11,12,12,13,14,14.14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 2,2-iminobis[ethanol] (1:1) 1-Tridecanaminium, 4.4.5.5.6.6.7.8.8.9.10,10,11,11,12,12,13,13,13-lencicosafluoro-2-hydroxy-N.N-bis(2-hydroxyethyl)-N-methyl-, iodide 1-Tridecanaminium, 4.4.5.5.6.6.7.8.8.9.9.10,10,11,11,12,13,13,13-cicosafluoro-2-hydroxy-N.N-bis(2-hydroxyethyl)-N-methyl-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.8.8.9.9.10,10,11,11,11-heptadecanfloro-2-hydroxy-N.N-bis(2-hydroxyethyl)-N-methyl-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.8.8.9.9.10,10,11,11,11-heptadecanfloro-2-hydroxy-N.N-bis(2-hydroxyethyl)-N-methyl-, iodide | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated AMMONIUM ORGANICS poly/perfluorinated AMMONIUM ORGANICS poly/perfluorinated IODDES poly/perfluorinated IODDES | 13 13 13 13 13 10 11 8 | 13 13 13 13 10 11 8 |
| 94200-57-4 93857-51-3 93857-56-8 93776-26-2 94271-56-8 93776-17-1 94159-77-0 92071-84-6 93776-18-2 80909-29-1 | -Terndecanol, 33,445,566,77,88,99,10,01,11,112,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, phryogen phosphate, diamnonium salt -Terndecanol, 33,445,566,77,88,99,10,01,11,112,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, amnonium salt -Terndecanol, 33,445,566,77,88,99,10,01,111,12,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, amnonium salt -Terndecanol, 33,445,566,77,88,99,10,01,111,12,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, amnonium salt -Terndecanol, 33,445,566,77,88,99,10,01,111,12,13,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 22-iminobis[ethanol](1:1) -Tridecanaminium, 44,55,66,77,88,99,10,11,11,11,12,13,13,13-tencsiosafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-; lodide -Undecanaminium, 44,55,66,77,88,99,10,10,11,111-tenpadecafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-; lodide -Undecanaminium, 44,55,66,77,88,99,10,10,11,111-tenpadecafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-; lodide -Undecanaminium, 44,55,66,77,88,99,10,10,11,111-tenpadecafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-; lodide -Undecanaminium, 44,55,66,77,88,99,10,10,11,111-tenpadecafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-M-methyl-; lodide -Undecanaminium, 44,55,66,77,88,99,10,11,111-tenpadecafluoro-2-hydroxy-NN-bis(2-hydroxyethyl)-M-methyl-; lodide -Undecanaminium, 44,55,66,77,88, | poly perfluorinated PHOSPHOORGANICS poly perfluorinated AMMONIUM ORGANICS poly perfluorinated AMMONIUM ORGANICS poly perfluorinated IODIDES poly perfluorinated IODIDES poly perfluorinated IODIDES poly perfluorinated AMMONIUM ORGANICS | 13 13 13 13 14 10 11 8 | 13 13 13 13 10 11 8 8 |
| 94200-57-4 93837-51-3 93857-56-8 9377-5-62-2 94231-56-8 9377-6-17-1 94159-77-0 92071-84-6 9377-618-2 80909-29-1 94159-78-1 | -Terndecanni, 3,3,44,5,66,77,88,99,10,01,11,12,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, bidrogen phosphate, diamnonium salt -Terndecanni, 3,3,44,5,66,77,88,99,10,01,11,112,12,13,14,14,14-terncosafluoro-13-(trifluoromethyl)-, bydrogen phosphate, camnonium salt -Terndecanni, 3,3,44,5,66,77,88,99,10,01,11,112,12,13,14,14]-terncosafluoro-13-(trifluoromethyl)-, bydrogen phosphate, camnonium salt -Terndecanniinium, 4,45,5,66,77,88,99,10,01,11,112,12,13,13,14-terncosafluoro-2-hydroxy-NN-bis(2-hydroxy-thyl)-N-methyl-; iodide -Tridecanniinium, 4,45,5,66,77,88,99,10,01,11,11,11-bepadecafluoro-2-hydroxy-NN-bis(2-hydroxy-thyl)-N-methyl-; iodide -Undecanniinium, 4,45,5,66,77,88,99,10,01,11,11-bepadecafluoro-2-hydroxy-NN-bis(2-hydroxy-thyl)-N-methyl-; iodide -Undecanniinium, 4,45,5,66,77,88,99,10,11,11,11-bepadecafluoro-2-hydroxy-NN-bis(2-hydroxy-thyl)-N-methyl-; iodide -Undecanniinium, 4,45,5,66,77,88,99,10,11,11,11-beadecafluoro-2-hydroxy-NN-bis(2-hydroxy-thyl)-N-methyl-; iodide -Undecanniinium, 4,45,5,66,77,88,99,10,11,11,11-beadecafluoro-2-hydroxy-NN-bis(2-hydroxy-thyl)-N-me | poly perfluorinated PHOSPHOORGANICS poly perfluorinated AMMONIUM ORGANICS poly perfluorinated AMMONIUM ORGANICS poly perfluorinated IODIDES poly perfluorinated IODIDES poly perfluorinated AMMONIUM ORGANICS poly perfluorinated AMMONIUM ORGANICS poly perfluorinated AMMONIUM ORGANICS poly perfluorinated AMMONIUM ORGANICS | 13 13 13 13 13 10 11 8 | 13 13 13 13 10 11 8 8 9 9 |
| 94200-57-4 93857-51-3 93857-56-8 9377-6-26-2 94231-56-8 9377-6-17-1 94159-77-0 92071-84-6 9377-6-18-2 8090-29-1 94159-78-1 65702-24-1 | 1-Terradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.12.12.13.14.14.14-teracosaftuoro-13-(trifluoromethyl)-, iditydrogen phosphate, diammonium salt 1-Terradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.12.12.13.14.14.14-teracosaftuoro-13-(trifluoromethyl)-, hydrogen phosphate 1-Terradecanol, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.12.12.13.14.14.14-terracosaftuoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 2.2-iminobis[ethanol] (1:1) 1-Tridecanaminium, 4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.12.12.13.13.14-terracosaftuoro-13-(trifluoromethyl)-, hydrogen phosphate, compd. 2.2-iminobis[ethanol] (1:1) 1-Tridecanaminium, 4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12.13.13.13-tenciosaftuoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-10-(trifluoromethyl)-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.1-tenpadecaftuoro-2-hydroxy-NN-bis(2-hydroxyethyl)-N-methyl-10-(trifluoromethyl)-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.11-tenpadecaftuoro-2-hydroxy-NN-winethyl-10-(trifluoromethyl)-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.7.8.9.9.10.11.11.11-tenpadecaftuoro-2-hydroxy-NN-winethyl-10-(trifluoromethyl)-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.7.8.9.9.10.11.11.11-tenpadecaftuoro-2-hydroxy-NN-winethyl-10-(trifluoromethyl)-, iodide 1-Undecanaminium, 4.4.5.5.6.6.7.7.8.9.9.10.11.11.11-tenpadecaftuoro-2-hydroxy-NN-winethyl-10-(trifluoromethyl)-, iodide | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated AMMONILM ORGANICS poly/perfluorinated AMMONILM ORGANICS poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated AMMONILM ORGANICS | 13 13 13 13 13 10 11 8 8 9 9 | 13 13 13 13 10 11 8 8 9 9 9 |
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| 1504-25 Sementia and ZZ, No. Selection (1972) and phases with filterion and Company and Application (1972) an | | | | | |
| | 152521-12-5 | 2-Butenedioic acid (2Z). bis(2-ethylhexyl) ester, polymer withchloroethene and .alphafluoro-omega-{2-{(1-oxo-2-propenyl)oxy ethyl poly(difluoromethylene)} | poly/perfluorinated POLYMERS | | <u> </u> |
| | 152286-22-1 | 2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymer withchloroethene, N.N-dimethyl-2-propenamide, .alphafluoroomega{2-{(1-oxo-2-propenyl)oxy}ethyl]poly(difluoromethylene), 2-hydroxyethyl2-propenoate and 2-{{\ [[1],3,3-trimethyl-5-{\ [[[(1-nethylp -2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl2-propenoate and 2-{\ [[1],3,3-trimethyl-5-{\ [[(1-nethylp -2-propenyl)oxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl2-propenoate and 2-{\ [[(1-nethylp -2-propenyl)oxy]ethyl2-propenamide, 2-hydroxyethyl2-propenamide, | poly/perfluorinated POLYMERS | | |
| | 221455-64-7 | 2-Butenedioic acid (2Z), bis(2-ethylhexyl) ester, polymers with 2-hydroxyethylmethacrylate-5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane-Me Et ketone oxime reaction product, gamma_omegaperfluoro-C8-20-alkyl acrylate and vinyl chloride | Fluorinated (meth)acrylate polymers | 8 | 20 |
| | 221455-71-6 | 2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester, polymers with N-(hydroxymethyl)-2-propenamide, gammaomegaperfluoro-C8-20-alkyl acrylate and vinyl chloride | Fluorinated (meth)acrylate polymers | 8 | 20 |
| Part | 221455-67-0 | 2-Butenedioic acid (ZZ), bis(2-ethylhexyl) ester, polymers with N.N-dimethyl-2-propenamide, gammaomegaperfluoro-C8-20-alkyl acrylate and vinyl chloride | Fluorinated (meth)acrylate polymers | 8 | 20 |
| | 502135-45-7 | 2-Butenedioic acid (2Z), bis(2-ethylhexyl) esters, polymers with N-(hydroxymethyl)-2-propenamide, .gammaomega-perfluoro-C8-18-alkyl acrylate and vinyl chloride | Fluorinated (meth)acrylate polymers | 8 | 18 |
| | 169797-36-8 | 2-Butenedioic acid (ZZ)-, sodium salt, polymer with ethenylbenzene and 2,2,3,3-tetrafluoropropyl hydrogen (ZZ)-2-butenedioate | poly/perfluorinated POLYMERS | 2 | 2 |
| | | 2-Butenedioic acid (E)-, bis(,gamma:-omega-perfluoro-C4-20-alkyl) ester, polymer with ethene, 1-(ethenyloxy)butanol, 1,4-hexadiene and 1-propene | poly/perfluorinated POLYMERS | 4 | 20 |
| | 86130-60-1 | 2-Butenedioic acid (E)-, mono(3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester | | 8 | 8 |
| | 182700-82-9 | 2-Butenedioic acid (Z)-, di-C1-20-alkyl esters, polymer with acrylamide N-{(C1-10-alkyloxy)methyl derivs, ac-fluoro-o-{2-{(1-oxo-2-propeny)loxy}ethyl] poly (difluoromethylene) and vinylchloride | poly/perfluorinated POLYMERS | | |
| Statistics Statemachic saidZ, numeZ2.3.1 standarderproprients, solium als, polyura with theopherone and disculs 2 polyura with a polyura with theopherone and disculs 2 polyura with a polyura with theopherone and disculs 2 polyura with disculs 2 polyura with a polyura with disculs 2 polyura with a polyura with disculs 2 polyura with a polyura with disculs 2 polyura with disculs 2 polyura with a polyura with disculs 2 polyura with a polyura with disculs 2 polyura with a polyur | | | poly/perfluorinated ESTERS | 8 | 8 |
| | 182700-83-0 | 2-Butenedioic acid(Z)-, di-Cl-20-alkyl ester, polymer with .alphafluoro-omega[2-[(1-xxx-2-propenyl)xxy]ethyl]poly(difluoromethylene), 2-hydroxyethyl acrylate and vinyl chloride | Fluorinated (meth)acrylate polymers | 1 | 20 |
| 2354529 23 Humanda and moneya23.3 Humanda may propose ministration from all polymen with the optimization and food much 23 humanda (and much 23 humanda | 51343-70-5 | | | | |
| 2006.00-14 2.0 | | 2-Butenedioic acid, mono(2,2,3,3-tetrafluoropropy) ester, sodium salt, polymer with ethenylbenzene and disodium 2-butenedioate | | | |
| 1986-746 Daleccond, 5.5.6.6.7.3.8.9.8.10.0.11.11.12.12.12.8.packeduloro- Polypenducide phylory with 1.6. discovariate cause, gamma. omega, perdunor-Chi 4 dooloo, poly(oxyarbonyloxy-1.6 hexanely), 5. mino 1.3.3. virinethyl-cycloberusemethanamine and 1.1. enabyl-nethiql-ioxyantocycloberus Polypenducide and ELFONDULISS 8 14 14 14 14 14 14 14 | 97259-81-9 | 2-Butenoic acid, 4-ox-4-(4.4.5,5.6.6,7,7.8.8,9,9.10.10.11,11,11-heptadecafluoro-2-hydroxyundecyl)aminol-, (Z)- | poly/perfluorinated ALKOHOLS | 8 | 8 |
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| 335-355 34 Pyran, 2.2.3.3.4.5.5.5 monallusore object allusoro object contract allusoro objec | | | | 8 | |
| 2H-Pyran, 2,23,34,45,56-manilhuro-teteral-pdro-6-(informate) 354-48 | | | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| 68155544 2H-Pyran, 2.2.3.3.4.4.5.5.6 monallum-orterating-time-(influencementy): 5 9 | 335-35-3 | 2H-Pyran, 2,2,3,3,4,5,5,6-nonafluoro-6-(heptafluoropropy))ternhydro- | poly/perfluorinated ETHERS | 3 | 4 |
| 356478 2H-Pyrun, 2,2,3,3,4,4,5,6-sonafhorotectralydro-6-(trifluoromethyl): | | 2H-Pyran, 2,2,3,3,4,4,5,5,6-nonafluorotetrahydro-6-(nonadecafluorononyl)- | | 5 | 9 |
| 801-263 214 Pyrans, 2,2.3,3,4,4.5,66 consulturors 5, (depathuoropsy) (interallyshow) 3 8 26570-09-4 24 Hybroxy-3-perthoconally(popy) arrylate-2-Phily (herryl methacry) (acceptody)mer 3 3 58180-21-5 24 Hybroxy-3-perthoconally(popy) arrylate-2-Phily (herrylate-plate) (herrylate polymers) 3 3 247047-61-6 2-Methyl-2-propencia caid 2-(diedhylamino) (hybrogy arrylate-plate and y-s-perfluoro-(C6-20)-alkyl acrylate, accutas(salls) Plurinated (meth)acrylate polymers 6 20 15406-63-6 2-Methyl-2-propencia caid baryl ester polymer with 33,44,55,66,77.88,99,10,10,10-bepathecafluorodey/2-propencial caid baryl ester polymer with 10-15% a donor-wi2-(2-methyl-1-uo-2-propencial polymer) 8 8 140033-70 2-Methyl-2-propencia caid methyl ester polymer with 10-15% a donor-wi2-(2-methyl-1-uo-2-propencial polymer) polyperfluorinated POL/MERS | | 2H-Pyran, 2,2,3,3,4,5,5,6-nonafluorotetrallydro-6-(influoromethyl)- | 1 71 | 5 | |
| 2 Hydroxy-3-perfluoroally/propyl acylate-2-Ethy/hexyl methacrylate-Coplymer 5 Hydroxy-3-perfluoroally/propyl acylate-2-Ethy/hexyl methacrylate coplymer 5 A S S S S S S S S S S S S S S S S S S | | | 1.51 | 3 | |
| Sils 2 Hydroxy-3-perfluoroilly/propyl acylate-2-Eithy/hexy/ methacrylate-Glyckyl/ methacrylate copolymer 3 3 3 3 2470-61-6 2 2 2 2 2 2 2 2 2 | | A many property and the control of Manager A many of the control o | | 3 | 3 |
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| 154965-63-6 24Methyl-2-propensic acid buyl ester polymer with 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecalluorodecyl 2-propensice, 2-hydroxyethyl-2-propensice and methyl-2-methyl-2-propensice, block Phorinated (methylacyblae polymers) Phorinated (methylacyblae) Phorinated (methylacybla | | | | 6 | 20 |
| | | | | | |
| 142033-27-0 2 Methyl-2-propensic scid methyl steer, 22.3.3.3-pentallionopropyl 2-methyl-2-propensite copolymer 2 methyl-2-propensite copolymer 32076-332 2 Ocepanoes, homopolymer, decyl perfluoro-C8-14-allyl steers, reaction products with H1-imidazole-1-propanamine and TDI homopolymer (AICS.) Fluorinated urethanes polymers 8 14 32076-343 2 Ocepanoes, homopolymer, decyl perfluoro-C8-14-allyl steers, reaction products with H1-imidazole-1-propanamine, polyethylene plycol and TDI homopolymer (AICS.) Fluorinated urethanes polymers 8 14 32076-385 2 Ocepanoes, homopolymer, decyl perfluoro-C8-14-allyl steers, reaction products with H1-imidazole-1-propanamine, polyethylene-polyproprine glycal and TDI homopolymer (AICS.) Fluorinated urethanes polymers 8 14 14 14 14 14 14 14 | | | | 0 | |
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| 32076-34-3 2-Oxepanone, homopolymer, decyl perfluoro-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyod and TDI homopolymer (AICS,) Fluorinated urethanes polymers Society perfluoro-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyor and TDI homopolymer (AICS,) Fluorinated urethanes polymers Society Fullworo-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyor and TDI homopolymer (AICS,) Fluorinated urethanes polymers Society Fullworo-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyor and TDI homopolymer (AICS,) Fluorinated urethanes polymers Society Fullworo-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyor and TDI homopolymer (AICS,) Fluorinated urethanes polymers Society Fullworo-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyor and TDI homopolymer (AICS,) Society Society Fullworo-CS-14-alkyl esters, reaction products with IH-imidazole-1-proparamine, polyethylene glyor and TDI homopolymer (AICS,) Society | | | | · · | 14 |
| 32076-28-5 2-Oxepanone, homopolymer, decyl perfluoro-CS-14-allyl esters, reaction products with IH-imidazole-1-propanamine, polyethylene-polypropylene glycal and TDI homopolymer (AICS,) Pluorinated uterthanes polymers 8 14 | | | | 8 | 1 |
| 1565918-1 2-Oxiranenthanol, polymer with reduced Me esters of reduced polymd. oxidized tetrafluoroethylene polyperfluorinated POLYMERS 12 12 13 14 15 15 15 15 15 15 15 | | | | | |
| 93776-00-2 2-Pentadecanol, 1,1 ⁻ [-loxybis[(1-methyl-2,1-ethanediyl)toyr][bis[4.4.5.5,6.6,77.88,9.9,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro- 93776-03-5 2-Pentadecanol, 1,1 ⁻ [-loxybis[(1-methyl-2,1-ethanediyl)toyr]][bis[4.4.5.5,6.6,77.88,9.9,10,11,11,12,12,13,13,14,14,15,15]. Heart cosmilton- 94[59-79-2] 2-Pentadecanol, 1,1 ⁻ [-loxybis[(1-methyl-2,1-ethanediyl)toyr]][bis[4.4.5.5,6.6,77.88,9.9,10,11,11,12,12,13,13,14,14,15,15]. Pentacosafluoro- 14 [10] 12 [10] 13 [10] 13 [10] 14 [10] 14 [10] 15 | | | | 8 | 14 |
| 93776/03.5 2-Pentadecanol, 1,1-[xox)bis[(1-mehyl-2,1-ethanediy))xxy][bis[4.4.5.5,6.6.77.8.8.9.9,10,10,11,11,12,12].313,14,15,15,15-tertacosifluoro-14-(trifluoromethyl)- 94[59-79-2] 2-Pentadecanol, 1-[3-(dimethylamino)propy][mino]-4.4.5.5,6.6.77.8.8.9.9,10,10,11,11,12,12].313,14,14,15,15,15-pentacosifluoro- 12 12 | | | 1.21 | | |
| 94[59,792] 2 Pentadecanol, 1-[[3-dimethylamino]propyl[amino]-4,4,5,5,6,7,7,8,8,9,9,10,10,11,11,2,12,13,13,14,14,15,15-pentaconafluoro psylperfluorinated AMINES 12 12 |)3110 do 2 | The state of the s | | | |
| | | | 1 71 | | |
| 94159-82-7 [2-Pentadecanol. 1-Hz-(dunethylamuno)propyl]aminol-4.4.5.5.6.6.7.7.8.8.9.9.10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)- polyperfluorinated AMINES 13 13 | , , , , , , , | | * | | |
| | 94159-82-7 | 2-Pentadecanol, 1-[15-(dimethylammo)propy)jammo]-4.4.5.5.6.6./7.8.8.9.9.10.10.11.11.12.12.13.13.14.15.15.15-tetracosafluoro-14-(trifluoromethyl)- | poly/perfluorinated AMINES | 13 | 13 |

| 73041-05-1 | 2-Pentanone, 1,1,1,3,3,4,5,55-nonafluoro-4-(trifluoromethyl)- | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
|--|--|---|---|---|
| 93830-92-3 | 2-Pentanone, 1,1,1,3,4,5,5,5-nonafluoro-3-(trifluoromethyl)- | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
| 72804-49-0 | 2-Pentene, 1,1,1,2,3,4,4,5,5.5-decafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 84650-68-0 283-527-0 | 2-Pentene, 1,1,1,2,3,4,5,5,5(or1,1,1,3,4,4,5,5)-nonafluoro-4(or 2)-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 30320-27-5 | 2-Pentene, 1,1,1,2,4,5,5,5-oxtafluoro-3-{1,2,2,2-tetrafluoro-1-(trifluoromethyl)-thyl]-4-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 2 | 5 |
| 1584-03-8 216-436-1 | 2-Pentene, 1,1,3,4,4,5,5.5-nonafluoro-2-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 30320-26-4 | 2-Pentene, 1,1,1,4,5,5,5-heptafluoro-3-(pentafluoroethyl)-2,4-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 9 | 9 |
| 100932-58-9 | 2-Perfluoroalkyl(C4-14)ethyl acrylate- benzyl methacrylate copolymer | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 122304-67-0 | 2-Perfluoroalkyl(C4-C14)ethyl acrylate-ethyl methacrylate-polyethylene glycol mono methacrylate copolymer | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 105656-07-3 | 2-Perfluoroalkyl(C6-C12)ethyl acrylate homopolymer | Fluorinated (meth)acrylate polymers | 6 | 12 |
| 105681-94-5 | 2-Perfluoroalkyl(C6-C12)ethyl methacrylate homopolymer | Fluorinated (meth)acrylate polymers | 6 | 12 |
| 161075-39-4 | 2-Perfluoroalkyl(C9-23)-1-methylethyl polyoxyethylene ether | poly/perfluorinated ETHERS | 9 | 23 |
| 287391-07-5 | 2-Perfluorooctyl ethyl acrylate homopolymer | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 247109-50-8 | 2-Popenoic acid, 2-methyl+, 3,3,4,4,5,6,6,7,7,8,8,9,10,10,11,11,12,12,12-heneicosafluorododocyl ester, polymer with N-(butoxymethyl)-2-methyl-2-propenamids, dodocyl 2-propenoate, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,10-heptadecafluorodocyl 2-methyl-2-propenamids, dodocyl 2-propenoate, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,10-heptadecafluorodocyl 2-methyl-2-propenamids, dodocyl 2-propenamids, dodocyl 2- | poly/perfluorinated POLYMERS | 9 | 10 |
| 61119-62-8 | 2-Propasol, 13-bis(2,2,3,34,4,5,5,6,6,7-dodecalnosty)ssyl, hydrogen salitie, sodium salitie, s | poly/perfluorinated ALKOHOLS | 6 | 6 |
| 51023-51-9 | 2-Promance 1.13.3.3-hexatory-more on the content of | Polytetrafluomethylene (PTFE) | | - 0 |
| 464178-94-7 | 2-roganos, 13-13-25-rosamoro-polyna war uncase am automoscusase 2-roganos, 13-13-25-rosamoro-polyna war uncase am automoscusase 2-roganos - 13-13-25-rosamoro-pol | poly/perfluorinated POLYMERS | 9 | |
| 464178-90-3 | 2-Procest-1-of-reaction products with pentafluoroidotechan-eterafluoroidotechan-eterafluoroidotechan-eterafluoroidotechan-eterafluoroidotechan-eterafluoroidotechan-eterafluoroidotechan-eterafluoroidotechan-eterafluoroido | 1.21. | | |
| 105960-50-7 | 2-ropearing, reaction products with plantage of the control of the | poly/perfluorinated POLYMERS poly/perfluorinated IODIDES | 6 | 6 |
| 105960-50-7 | 2-1 reptaining, territor with 14.1.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2 | poly/pertiuorinated IODIDES | 6 | 6 |
| 182700-85-2 | 2-Propenamide, N-{(C1-20-alkyloxy)metyl]derivs., polymers with acryonitrile, alphafluoro-omega{2-{((1-oxo-propeny)loxy}ethyl] poly(difluoromethylene) and polyethylene-polypropylene glycol acrylate C1-20-alkyl ethers | poly/perfluorinated POLYMERS | | |
| 28506-33-4 | 2-Propenethioic acid, 2-methyl, S-{3,3,44,5,5,6,6,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl] ester | poly/perfluorinated TIOLS | 9(8+1) | 9 |
| 30769-88-1 | 2-Propenethioic acid, 2-methyl-, S-[3,3,4,5,5,6,6,7,8,8,9,9,10,10,11,12,12,12-cicosafluoro-11-(trifluoromethyl)dodecyl] ester | poly/perfluorinated TIOLS | 11 | 11 |
| 30769-91-6 | 2-Propenethioic acid, 2-methyl-, S-[3,3,4,5,5,6,6,7,8,8-dodecafluoro-7-(trifluoromethyl)octyl] ester | poly/perfluorinated TIOLS | 6 | 6 |
| 91648-32-7 | 2-Propenoic acid, epsilonomega-perfluoro-C8-22-alkyl esters, gammadelta-fluoro derivs. | poly/perfluorinated ESTERS | 8 | 22 |
| 85631-54-5 288-003-5 | 2-Propenoic acid, gammaomegaperfluoro-C8-14-alkyl esters | poly/perfluorinated ESTERS | 8 | 14 |
| 2-41-3 | 2-Propenoic acid, gamma_omega-perfluoro-C8-14-alkyl esters, copolymer with 2-propenoic acid, octadecyl ester and 2-propenamide | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 2-52-0 | 2-Propenoic acid, gamma_omega-perfluoro-C8-14-alkyl esters, polymer with 2-propenoic acid, delta-omega-perfluoro-C9-15-alkyl esters | Fluorinated (meth)acrylate polymers | 8 | 15 |
| 2-03-8 | 2-Propenoic acid, .gammaomegaperfluoro-C8-14-alkyl esters, polymers with 2-ethylhexyl acrylate, N-hydroxynethyl methacrylamide and stearyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 2-03-7 | 2-Propenoic acid, gamma_omega-perfluoro-C8-14-alkyl esters, polymers with glycidyl methacrylate, N-(butoxymethyl) methacrylamide, N-hydroxymethyl methacrylamide and stearyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 212013-58-6 | 2-Propenoic acid, gammaomegaperfluoro-C8-20-alkyl esters | poly/perfluorinated ESTERS | 8 | 20 |
| 221455-61-4 | 2-Propenoic acid, gamma_omega-perfluoro-C8-20-alkyl esters, polymer with acrylonitrile, polyethylene glycol dimethacrylate and polyethylene glycol methacrylate Me ether | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 224790-97-0 | 2-Propenoic acid, gamma_omega-perfluoro-C8-20-alkyl esters, polymer with polyethylene glycol monomethacrylate and polypropylene glycol monomethacrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 13057-08-4 235-943-9 | 2-Propenoic acid, 1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl ester | poly/perfluorinated (METH)ACRYLATES | 1 | 3 |
| 2160-89-6 218-479-1 | 2-Propenoic acid, 2,2,2-trifluoro-1-(trifluoromethyl)ethyl ester | poly/perfluorinated (METH)ACRYLATES | 1 | 3 |
| 424-64-6 207-036-8 | 2-Propensic acid, 2.2,3,3,4,4-heptafluorobutyl ester | poly/perfluorinated (METH)ACRYLATES | 3 | 3 |
| 308-26-9 206-214-2 | 2-Propenoic acid, 2.2,3,3,4,5,55-nonafluoropentyl ester | poly/perfluorinated (METH)ACRYLATES | 4 | 4 |
| 559-11-5 | 2-Propenoic acid, 2,2,3,3,4,5,5,6,6,7,7,7-tridecafluoroheptyl ester | poly/perfluorinated ESTERS | 6 | 6 |
| 307-98-2 206-212-1 | 2-Propenoic acid, 2,2,3,3,4,5,5,6,6,7,7,8,8,9-pentadecafluorooctyl ester | poly/perfluorinated ESTERS | 7 | 7 |
| | 2-Protenojc acid. 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-hencicosafluoroundecvl ester | poly/perfluorinated ESTERS | | 10 |
| 94231-57-9 | 2-Propenoic acid, 2,2,3,3,4,4,3,5,8,6,7,7,8,8,9,9,10,10,11,11,11-neneicosamuoroundecyt ester | pory perindormated ESTERS | 10 | 10 |
| 94231-57-9 4998-38-3 225-659-3 | 2-Properior acid, 2,2,3,4,4,5,5,6,6,7,8,8,9,1,0,1,1,1,1-inenercosamurorunaceyi ester 2-Propenior acid, 2,2,3,4,4,5,5,6,6,7,8,8,9,9,10,11,11-icosafluoroundecyl ester | poly/perfluorinated ESTERS | 10 10 | 10 |
| | To a constant the transfer of the first of t | | 10 10 8 | |
| 4998-38-3 225-659-3 | 2-Propensic acid, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,11,11-sicosafluoroundecyl ester | poly/perfluorinated ESTERS | 10 | 10 |
| 4998-38-3 225-659-3 307-87-9 | 2-Propenoic acid, 2,23,3,4,5,5,6,6,7,8,8,9,10,10,11,11-iciosafluoroundecyl ester 2-Propenoic acid, 2,23,3,4,5,5,6,6,7,8,8,9,9-baptadecafluorounoyl ester | poly/perfluorinated ESTERS poly/perfluorinated ESTERS | 10 | 10 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 | 2-Propensic acid, 2,23,3,44,5,6,6,7,7,8,8,9,10,10,11,11-iciosafluoroundecyl ester 2-Propensic acid, 2,23,3,44,5,6,6,7,7,8,8,9,9-beptadecafluorononyl ester 2-Propensic acid, 2,23,3,4,5,6,6,7,7,8,8,9-benadecafluorononyl ester | poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS | 10 8 8 | 10 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 | 2-Propensic acid, 2,23,3,44,5,66,7,7,8,9,9,10,10,11,11-iciosafluoroundecyl ester 2-Propensic acid, 2,23,3,44,5,6,6,7,7,8,9,9-sheptadecafluorononyl ester 2-Propensic acid, 2,23,3,44,5,6,6,7,7,8,9,9-hexadecafluorononyl ester 2-Propensic acid, 2,23,3,4,5,6,6,7,7-dodecafluoroheptyl ester | poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS | 10 8 8 | 10 8 8 |
| 4998-38-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 | 2-Propensic acid, 2.2.3.3.4.4.5.6.6.7.7.8.8.9.9.10,11,11-iciosafluoroundecyl ester 2-Propensic acid, 2.2.3.3.4.4.5.6.6.7.7.8.8.9.9-heradecafluoroundy ester 2-Propensic acid, 2.2.3.3.4.4.5.6.6.7.7.8.8.9.9-heradecafluoroundy ester 2-Propensic acid, 2.2.3.3.4.4.5.6.6.7.7.8.9.9-heradecafluoroundy ester 2-Propensic acid, 2.2.3.3.4.5.5-actafluoropenyl ester 2-Propensic acid, 2.2.3.3.4.5.5-actafluoropenyl ester | poly perfluorinated ESTERS | 10 8 8 8 6 4 | 10 8 8 8 6 4 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 | 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10,11.11-iciosafluoroundecyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9-hetadecafluorononyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-hetadecafluoronopyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9-hetadecafluorohetyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.1.11.11-iciosafluoroundecyl)udfonyljmethylaminojethyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-iciosafluoroundecyl)udfonyljmethylaminojethyl ester | polyi perfluorinated ESTERS polyi perfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 8 8 8 6 4 | 10 8 8 8 6 4 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 66008-69-3 | 2-Propensic acid, 2,23,3,44,5,5,66,7,7,8,8,9,10,10,11,11-ciosafluoroundecyl ester 2-Propensic acid, 2,23,3,44,5,5,66,7,7,8,8,9,9-beptadecafluorononyl ester 2-Propensic acid, 2,23,3,44,5,5,66,7,7,8,9,9-becadecafluorononyl ester 2-Propensic acid, 2,23,3,44,5,5,66,7,7,8,8,9,9-becadecafluorononyl ester 2-Propensic acid, 2,23,3,44,5,5,66,7,7,8,8,9,9,10,10,11,11,11-ciosafluoroundecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-l[(2,2,3,3,4,5,5,66,7,7,8,8,9,9,0,10,11,11,11-ciosafluoroundecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-l[(2,2,3,3,4,5,5,66,7,7,8,8,9,9,9-beptadecafluorononyl)sulfonyl]methylamino]ethyl ester | polyi perfluorinated ESTERS polyi perfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulfonamides (FASAs) N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 8 8 8 6 4 11 | 10 8 8 8 6 4 11 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 66008-69-3 48077-95-8 | 2-Propensic acid, 2.2.33.44.5.5.66.77.88.9.9.10,01.11-1-iciosafluoroundecyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88.9.9-hepadecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88.9.9-hepadecafluorononylysalfonyl methylamino ethyl ester 2-Propensic acid, 2.1(2.2.33.44.5.5.66.77.88.9.9-hepadecafluorononylysalfonyl methylamino ethyl ester 2-Propensic acid, 2.1(2.3.34.45.5.66.77.88.9.9-hepadecafluorononylysalfonyl methylamino ethyl ester | poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated (METH)ACRYLATES N-aRky perfluoroalkyl sulfoamanides (FASAs) N-aRky perfluoroalkyl sulfoamanides (FASAs) N-alkyl perfluoroalkyl sulfoamanides (FASAs) | 10 8 8 8 6 4 11 8 | 10 8 8 8 6 4 11 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-88-3 221-064-8 376-84-1 206-816-5 66008-69-3 48077-95-8 72276-05-2 | 2-Propensic acid, 2.2.33.44.5.5.6.6.7.7.8.8.9.10.10.11.11-ciocsafluoroundecyl ester 2-Propensic acid, 2.2.33.44.5.5.6.6.7.8.8.9.9-heradecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.6.7.7.8.8.9.9-heradecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.6.7.7.8.8.9.9-heradecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.6.7.7.8.8.9.10.10.11.11.11-ciocsafluoroundecyl ester 2-Propensic acid, 2.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-ciocsafluoroundecyl)nalfonyl methylamino ethyl ester 2-Propensic acid, 2-[1(2.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-ciocsafluoroundecyl)nalfonyl methylamino ethyl ester 2-Propensic acid, 2-[1(3.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11-packecafluoroundecyl)nalfonyl methylamino ethyl ester 2-Propensic acid, 2-[1(3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.12-hencicosafluorodocyl)salfonyl methylamino ethyl ester | poly perfluorinated ESTERS poly perfluorinated (METH)ACRYLATES Nealky perfluorinated (METH)ACRYLATES Nealky perfluoroalky sulfonamides (FASAs) | 10 8 8 6 4 11 8 8 | 10 8 8 8 6 4 11 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 66008-69-3 48077-95-8 72276-05-2 60194-47-0 | 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10,0.11.11-iciosafluoroundecyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluorononyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluorononyl ester 2-Propenoic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.11-iciosafluoroundecyl usforyl]methylamino]ethyl ester 2-Propenoic acid, 2.1(2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.11-iciosafluoroundecyl)ulfonyl]methylamino]ethyl ester 2-Propenoic acid, 2.1((2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.9.hepadecafluorononylysiflonyl]methylamino]ethyl ester 2-Propenoic acid, 2.1((2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12-iciosafluoroundecyl)ulfonyl]methylamino]ethyl ester 2-Propenoic acid, 2.1((3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-beneicosafluorodecyl)ulfonyl]methylamino]ethyl ester 2-Propenoic acid, 2.1((3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-beneicosafluorodecyl)ulfonyl]methylamino]ethyl ester 2-Propenoic acid, 2.1((beptadecafluoroocyl))ulfonyl]methylamino]ethyl ester | polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 8 8 6 4 11 8 8 | 10 8 8 6 4 11 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 | 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10,11.11-iciosafluoroundecyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluoronopyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluoronopyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluoronopyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.11-iciosafluoroundecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.11-iciosafluoroundecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).3.3.4.5.5.6.6.77.8.8.9.9.9.10.10.10.11.11.11-iciosafluoroundecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).3.4.4.5.5.6.6.77.8.8.9.9.10.10.10.11.11.2.12.12-henic osafluorodecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).5.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.2.12.12-henic osafluorodecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).5.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-henic osafluorodecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).5.4.4.5.5.6.6.77.8.9.9.10.10.11.11.12.12.12-henic osafluorodecyl)ulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-{\(\frac{1}{2}\).5.4.4.5.5.6.6.77.8.9.9.10.10.11.11.12.12.12-henic osafluorodecyl)ulfonyl]methylamino]ethyl ester | polyi perfluorinated ESTERS polyi perfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 8 8 6 4 11 8 8 12 8 8 | 10 8 8 6 4 11 8 8 12 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-664-8 376-84-1 206-816-5 66008-68-2 66008-69-3 48077-95-8 72276-05-2 6019-47-0 383-07-3 | 2-Propensic acid, 2.2.33.44.5.5.66.77.88,9.9.10.10.11.11-iciosafluoroundecyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88,9.9-hepadecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88,9.9-hepadecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88,9.9-hepadecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88,9.9-hepadecafluorononyl ester 2-Propensic acid, 2.2.33.44.5.5.66.77.88,9.9.10.11.11.11-iciosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(2.2.3.44.5.5.66.77.88,9.9.10.10.11.11.11-iciosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(3.3.44.5.5.66.77.88,9.9.10.10.11.11.11.21-iciosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(3.3.44.5.5.66.77.88,9.9.10.10.11.11.11.21-iciosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(3.3.44.5.5.66.77.88,9.9.10.10.11.11.11.21.21-hencicosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(3.3.44.5.5.66.77.88,9.9.10.10.11.11.11.21.21.2-hencicosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(1.3.44.5.5.66.77.88,9.9.10.10.11.11.11.21.21.2-hencicosafluoroundecyl/sulfonyl methylamino ethyl ester 2-Propensic acid, 2.1(1.3.44.5.5.66.77.88,9.9.10.10.11.11.11.21.21.2-hencicosafluoroundecyl/sulfonyl methylamino ethyl ester | poly/perfluorinated ESTERS poly/perfluorinated (METHAGEN/LATES N-alkyl perfluoroally/sulfonamides (FASAs) | 10 8 8 6 4 11 8 8 | 10 8 8 8 6 4 11 8 8 12 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 | 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10,11.11-iciosafluoroundecyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluoronopyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-heradecafluoronopyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11-iciosafluoroundecyl judfonyl]methylamino]ethyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.11-iciosafluoroundecyl)udfonyl]methylamino]ethyl ester 2-Propensic acid, 2.4[(2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.9-hepadecafluorononylyalfonyl]methylamino]ethyl ester 2-Propensic acid, 2.4[(2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.11-iciosafluoroundecyl)udfonyl]methylamino]ethyl ester 2-Propensic acid, 2.4[(3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-henic osafluorodecyl)udfonyl]methylamino]ethyl ester 2-Propensic acid, 2.4[(3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-henic osafluorodecyl)udfonyl]methylamino]ethyl ester 2-Propensic acid, 2.4[(b.ptadecafluoroocyl)sulfonyl]muthylamino]ethyl ester 2-Propensic acid, 2.4[(b.ptadecafluoroocyl)sulfonyl]muthylamino]ethyl ester 2-Propensic acid, 2.4[(b.ptadecafluoroocyl)sulfonyl]muthylamino]ethyl ester 2-Propensic acid, 2.4[(b.ptadecafluoroocyl)sulfonyl]muthylamino]ethyl ester | polyi perfluorinated ESTERS polyi perfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 8 8 6 4 11 8 8 12 8 8 | 10 8 8 6 4 11 8 8 12 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-653-6 2993-85-3 221-664-8 376-84-1 206-816-5 66008-69-3 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 | 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10,0.11.11-cicosafluoroundecyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.6.77.8.8.9.9-hexadecafluorononyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.7.8.8.9.9-hexadecafluorononyl ester 2-Propensic acid, 2.2.3.3.4.4.5.5.6.7.8.8.9.9-hexadecafluorononyl ester 2-Propensic acid, 2.2.3.3.4.5.5.6.6.77.8.8.9.9.10.11.11.11-cicosafluoroundecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-[(2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.11-cicosafluoroundecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-[(2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12-ticosafluoroundecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-[(3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12-ti.2.12-hencicosafluorodecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-[(3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-hencicosafluorodecyl)sulfonyl]methylamino]ethyl ester 2-Propensic acid, 2-[(beptadecafluoroocyl)sulfonyl]mino]ethyl ester | polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated ESTERS polyiperfluorinated (METH)ACRYLATES N-alkyl perfluoroaklyl sulfonamides (FASAs) | 10 8 8 6 4 11 8 8 12 8 8 | 10 8 8 6 4 11 8 8 12 8 8 |
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| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 66008-69-3 48077-95-8 72276-05-2 6019-4-7-0 383-07-3 25268-77-3 68227-94-1 68586-14-1 2357-600 73375-59-9 73019-28-0 | 2-Propensic acid. 2.2.33.4.4.5.6.6.7.7.8.8.9.9.10,01.11.11-cicosafluoroundecyl ester 2-Propensic acid. 2.2.33.4.4.5.6.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid. 2.2.33.4.4.5.5.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid. 2.2.33.4.4.5.5.6.7.7.8.8.9.9.10.01.11.11.11-cicosafluoroundecyl safer 2-Propensic acid. 2.2.33.4.4.5.5.6.7.7.8.8.9.9.10.01.11.11.11-cicosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid. 2.1(12.2.33.4.4.5.5.6.7.7.8.8.9.9.10.10.11.11.11-cicosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid. 2.1(12.2.33.4.4.5.5.6.7.7.8.8.9.9.0.10.10.11.11.11-cicosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid. 2.1(12.2.33.4.5.5.6.7.7.8.8.9.9.0.10.10.11.11.12.12.12-heneicosafluorodocylysaffonyl methylamino ethyl ester 2-Propensic acid. 2.1(13.3.4.4.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.12-heneicosafluorodocylysaffonyl methylamino ethyl ester 2-Propensic acid. 2.1(16.9.4.4.6.6.0.7.8.8.9.9.10.10.11.11.12.12.12-heneicosafluorodocylysaffonyl methylamino ethyl ester 2-Propensic acid. 2.1(16.petadecafluoroocyt)saffonyl methylamino ethyl ester | poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated (METH)ACRYLATES N-alkyl perfluorinated (METH)ACRYLATES N-alkyl perfluorinated (METH)ACRYLATES N-alkyl perfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulfonamides (FASAs) Pluorinated (meth)acrylate polymers Pluorinated (meth)acrylate polymers N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 8 8 6 4 11 11 8 8 12 8 8 8 4 4 | 10 8 8 8 6 6 4 4 111 8 8 8 12 8 8 8 8 8 8 8 8 8 8 8 |
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| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-69-3 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 68227-94-1 6858-61-41 2357-60-0 73275-59-9 73019-28-0 73019-28-0 7303-33-2 104242-02-6 | 2-Propensic acid, 2.2.33.4.4.5.6.6.7.7.8.8.9.9.10,01.11.11-cioosafluoroundecyl ester 2-Propensic acid, 2.2.33.4.4.5.6.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.7.7.8.8.9.9.10,01.11.11-cioosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.7.7.8.8.9.9.10,01.11.11-cioosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid, 2.1(2.2.33.4.4.5.5.6.7.7.8.8.9.9.10,10.11.11.11-cioosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid, 2.1(2.2.33.4.5.5.6.6.7.7.8.8.9.9.10,10.11.11.12.12.12-heneicosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid, 2.1(1.3.4.4.5.5.6.6.7.7.8.8.9.9.10,10.11.11.12.12.12-heneicosafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid, 2.1(1.6.psadecafluoroundecyl)saffonyl methylamino ethyl ester 2-Propensic acid, 2.1(1. | poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated (METH)ACRYLATES N-alkyl perfluorinated (METH)ACRYLATES N-alkyl perfluorinately sulfonamides (FASAs) Pluorinated (meth)acrylate polymers | 10 8 8 8 6 6 4 4 111 8 8 12 2 8 8 8 8 8 8 8 8 8 8 8 8 8 | 10 8 8 8 6 4 4 111 12 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-69-3 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 68227-94-1 6858-61-41 2357-60-0 73275-59-9 73019-28-0 73019-28-0 7303-33-2 104242-02-6 | 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9.10,01.11.1-iccosafluoroundecyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9-heradecafluoronomyl-sufforyl methylamino ethyl ester 2-Propensic acid, 2.2.33.4.4.5.5.6.6.7.7.8.8.9.9-heradecafluoronomyl-sufforyl methylamino ethyl ester 2-Propensic acid, 2.1(12.2.3.4.8.5.5.6.7.7.8.8.9.9.9-heradecafluoronomyl-sufforyl methylamino ethyl ester 2-Propensic acid, 2.1(16.3.4.4.5.5.6.6.7.7.8.8.9.9.10,10.11.11.12.12.1-hencicosafluorodecyl-sufforyl methylamino ethyl ester 2-Propensic acid, 2.1(16.peradecafluoroocyt)-sufforyl mimo ethyl ester, polymer with 2-fmethyl (nonafluorobutyl)-sulforyl mimo ethyl 2-propensute, alpha-(2-methyl-1-ox-2-propenyl)-omegahydroxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-ox-2-propensyl)-omegabutoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-ox-2-propensyl)-omegabutoxypoly(oxy-1,2-ethanediyl) 2-Propensic acid, 2.1(16.peradecafluoroocyt)-sulforyl parimio ethyl ester, polymer with alpha-(2-methyl-1-ox-2-propenyl)-omegabutoxypoly(oxy-1,2-ethanediyl) 2-Propensic acid, 2.1(16.peradecafluoroocyt)-sulforyl parimio ethyl ester, polymer with alpha-(2-methyl-1-ox-2-propenyl)-omegabutoxypoly(oxy-1,2-ethanediyl) 2-Propensic acid, 2.1(16.peradecafluoroocyt)- | polyperfluorinated ESTERS polyperfluorinated (METHACRYLATES N-alkyl perfluoroallyl sulforamides (FASAs) Fluorinated (meth)acrylate polymers N-alkyl perfluoroallyl sulforamides (FASAs) | 10 8 8 8 6 6 4 4 111 8 8 12 2 8 8 8 8 8 8 8 8 8 8 8 8 8 | 100 8 8 8 6 4 111 8 8 8 12 8 8 8 8 8 8 8 8 8 |
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| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-064-8 376-84-1 206-816-5 66008-68-2 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 68227-94-1 68586-14-1 2357-60-0 73275-59-9 73019-28-0 73038-33-2 10424-20-26 67584-55-3 266-733-5 | 2-Propensic acid, 2.2.33.44.5.5.6.6.77.88.9.9.10,01.11.11-cioosafluoroundecyl ester 2-Propensic acid, 2.2.33.44.5.5.6.6.77.88.9.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.44.5.5.6.6.77.88.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.44.5.5.6.6.77.88.9.9-heradecafluoronomyl ester 2-Propensic acid, 2.2.33.44.5.5.6.6.77.88.9.9.10.01.11.11-cioosafluoroundecyl) safforyl methylaminolethyl ester 2-Propensic acid, 2.2.33.44.5.5.6.6.77.88.9.9.10.01.11.11-cioosafluoroundecyl) safforyl methylaminolethyl ester 2-Propensic acid, 2.1(2.2.33.44.5.5.6.6.77.88.9.9.10.01.11.11.2-cioosafluoroundecyl) safforyl methylaminolethyl ester 2-Propensic acid, 2.1(1.2.33.44.5.5.6.6.77.88.9.9.10.10.10-heradecafluoroundecyl) safforyl methylaminolethyl ester 2-Propensic acid, 2.1(1.2.34.4.5.5.6.6.77.88.9.9.10.10.11.11.12.12.12-heradecafluoroundecyl) safforyl methylaminolethyl ester 2-Propensic acid, 2.1(1.6.padacafluoroundecyl) safforyl plantylaminolethyl ester, polymer with 2-[methyl1(nonafluorobutyl) salforyl] saminolethyl 2-propensute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1.2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl | poly-perfluorinated ESTERS poly-perfluorinated ESTERS poly-perfluorinated ESTERS poly-perfluorinated ESTERS poly-perfluorinated ESTERS poly-perfluorinated ESTERS poly-perfluorinated (METH)ACRYLATES N-alkyl perfluorinated (METH)ACRYLATES N-alkyl perfluorinated (METH)ACRYLATES N-alkyl perfluoroalkyl sulforamides (FASAs) Pluorinated (meth)acrylate polymers Pluorinated (meth)acrylate | 10 8 8 6 4 111 8 8 12 8 8 8 4 4 4 8 8 8 8 | 10 8 8 8 6 6 4 4 111 8 8 8 8 12 8 8 8 8 8 8 8 8 8 8 8 8 |
| 4998-38-3 225-659-3 307-87-9 4180-26-1 224-053-6 2993-85-3 221-06-8 376-84-1 206-816-5 66008-68-2 66008-68-2 66008-69-3 48077-95-8 72276-05-2 60194-47-0 383-07-3 25268-77-3 68227-94-1 68596-14-1 2357-60-0 73275-59-9 73019-28-0 73038-33-2 104242-02-6 67584-55-3 66228-60-2 68084-62-5 | 2-Propensic acid. 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10,01.11.11-cicosafluoroundecyl ester 2-Propensic acid. 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9-hetadecafluorocomyl ester 2-Propensic acid. 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9-hetadecafluorocomyl ester 2-Propensic acid. 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9-hetadecafluorocomyl ester 2-Propensic acid. 2.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-cicosafluoroundecyl)usifonyl methylamino chyl ester 2-Propensic acid. 2.1(12.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-cicosafluoroundecyl)usifonyl methylamino chyl ester 2-Propensic acid. 2.1(12.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11.11-cicosafluoroundecyl)usifonyl methylamino chyl ester 2-Propensic acid. 2.1(12.2.3.3.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.12-hencicosafluorodocyl)usifonyl methylamino chyl ester 2-Propensic acid. 2.1(16.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.12-hencicosafluorodocyl)usifonyl methylamino chyl ester 2-Propensic acid. 2.1(16.petadecafluoroocyl)usifonyl mino chyl ester, polymer with 2-[methyl[(nonafluorobuty)sulfonyl]mino chyl 2-propensic, alpha-(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1,2-chanedyl). alpha-(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1,2-chanedyl). 2-Propensic acid. 2.1(16.petadecafluoroocyl)sulfonyl propylamino chyl ester, polymer with alpha -(2-methyl-1-oxo-2-propenyl)-omega-butoxypoly(oxy-1,2-chanedyl) 2-Propensic acid. 2.1(16.petadecafluoroocyl)sulfonyl propylamino chyl ester, polymer with methyloxirane polymer with oxirane monor-2-propensic 2-Propensic acid. 2.1(16.petadecafluorococyl)sulfonyl propylamino chyl ester, polymer with methyloxirane polymer with oxir | poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated ESTERS poly/perfluorinated (METHACRYLATES N-alky 1 perfluorinated sulfornamides (FASAs) N-alky 1 perfluorinately sulfornamides (FASAs) Puorinated (meth)acrylate polymers Pluorinated (meth)acrylate | 10 8 8 6 4 111 8 8 12 8 8 8 4 4 4 8 8 8 8 | 10 8 8 8 6 6 4 4 111 8 8 8 8 12 8 8 8 8 8 8 8 8 8 8 8 8 |

| 94237-13-5 | 2-Propensic acid, 2-I[[Ibid]3-(1-cxo-2-propenyl)oxy]-2,2-bid[(| poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
|---|--|--|------------------------|-----------------------|
| 94237-11-3 | 2-Propensic acid, 2-[[[dimethyl3,3,4,4,5,6,6,7,8,8,8-tridecalfurcorty]sity](oxy [methyl]-2-[[(1-oxo-2-propeny))xxy [methyl]-1,3-propanediyl ester | poly/perfluorinated SILOXANES/SILICONES/SILICATES | 6 | 6 |
| | | pay particulated of the state o | | Ü |
| 94237-12-4 | 2-Propenoic acid, 2-{[[[methyl]3-[(1-xxo-2-propenyl)xxy]-2,2-bis[[(1-xxo-2-propenyl)xxy]methyl]-1,3-propanediyl ester | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 110570-91-7 | 2-Propenoic acid, 2-{[3-{(heptadecafluorooctyl)sulfonyl]propyl]amino ethyl ester polymer with α-{2-methyl-1-oxo-2-propenyl}-ω-hydroxypoly(oxy-1,2-ethanediyl) | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 110570-92-8 | 2-Propenoic acid, 2-{[3-{(heptadecafluoroocty)sulfonyl]propyl]amino]ethyl ester polymer with a-{2-methyl-1-oxo-2-propenyl}-u-hydroxypoly[oxy(methyl-1,2-ethanediy)] | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 68298-62-4 | 2-Propenoic acid, 2-[butyl [(heptadecafluorooccy]sulfony][amino]ethyl ester, telomer with 2-[butyl [(pentadecafluorochepy])sulfony][amino]ethyl-2-propenoate, methyloxirane polymer with oxiranedi-2-propenoate, m | Fluorinated (meth)acrylate polymers | 7 | 8 |
| 423-82-5 207-031-0 | 2-Procencic acid. 2-fethylfotradacafluoroctylsulfonylaminolethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 17329-79-2 | 2-Progenoic acid, 2-[ethyl[(nonafluorobury)sulfonylamino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 1893-52-3 | 2-Propenoic acid. 2-{eth-ll/(tridecafluorobexyl)sulfory Jamino ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 68298-06-6 | 2-Propenoic acid, 2-Jethyll (undecafluoropenty)/sulfionyl JaminoJethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 59071-10-2 | 2-Propenoic acid, 2-{ethyl/pentadecafluoroheptyl/sulfionyl/panino ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 425664-29-5 | 2-Propenoic acid, 2-{methyl[(1,1,2,2,3,3,4,4-nonafluorobuty)]sulfony]lamino]ethyl ester, polymer with octadecyl 2-propenoate | Fluorinated (meth)acrylate polymers | 4 | 4 |
| | | | | |
| 1017237-78-3 | 2-Propenoic acid, 2-{methyll(1,1,2,2,3,3,4,44-nonafluorobutyl)sulfonyl]amino ethyl ester, telomer with 3-mercapto-1,2-propanediol, 2-methyloxirane polymer with oxirane d-2-propenoute, and 2-methyloxirane polymer with oxirane mono-2-propenoute, tert-Bu 2 | Fluorinated (meth)acrylate polymers | 4 | 4 |
| 66008-70-6 | 2-Propenoic acid, 2-{methyl(2,2,33,4,4,5,6,6,7,7,7-tridecafluoroheptyl)sulfonyl amino ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 66008-67-1 | 2-Propenoic acid, 2-{methyl((2,2,33,44,5,5,6,67,78,89,9,10,10,11,11,12,12,13,13,13)-pentacosafluorotridesyl)sulfonyl[amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 13 | 13 |
| 68758-55-4 | 2-Propencic acid, 2-[methyl](2,2,3,3,4,4,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-nonacosafluoropentadecyl)sulfonyl]amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 14 | 14 |
| 68758-56-5 | 2-Propencic acid, 2-{methyl((2,2,3,3,4,4,5,6,6,7,8,8,9,9,10,10,11,11,2,12,13,13,14,14,15,15,16,16,17,17,17-ritria:contafluoroheptadescy)sulfony[jamino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 17 | 17 |
| 49859-70-3 256-503-2 | 2-Propenoic acid, 2-{methyl(G,3.4.4.5.5.6.6.7.7.8.8.4-tridecafluorooctyl)sulfonyl jaminojethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 2-07-9 | 2-Propenoic acid, 2-[methyl](3,3,4,4,5,5,6,7,7,8,8.8-tridecafluoroocty)[sulfonyl]amino]ethyl ester polymer with 2-methyl-butyl ester 2-propenoic acid, 2-methyl-betyl ester 2-propenoic acid and N-(hydroxymethyl)-2-propenamide | Fluorinated (meth)acrylate polymers | 6 | 6 |
| 72276-06-3 | 2-Propenoic acid, 2-[methyl](3,3,4,4,5,5,6,6,77,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorosteradecy)sulfonyl jamino jethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 14 | 14 |
| 72276-07-4 | 2-Propenoic acid, 2-[methyl](3,3,4,8,5,6,6,77,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl)sulfonyl]amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 14 | 14 |
| 72276-08-5 | 2-Propenoic acid, 2-[methyl](3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,118,18-tritriacontafluorooctadecy)/sulfonyl]aminojethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 10 | 10 |
| | | | | |
| 68867-60-7 | 2-Propenoic acid, 2-{methyl[(heptadecafluorocty)sulfonyl]methylamino]ethyl ester, polymer with 2-{methyl[(nonafluorobuty)sulfonyl]amino]ethyl 2-propenoate, 2-{methyl[(petadecafluorobety)sulfonyl]amino]ethyl-2-propenoate, 2-{methyl[(midecafluorobety)sulfonyl]amino]ethyl-2-propenoate, 2-{methyl[(midecafluorobety)sulfonyl]amino]ethyl-2-propenoate | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 2-49-2 | 2-Propensic acid, 2-[meth/l[(nonafluorobuty])sulfony]amino]ethyl ester, telomer with methyloxirane, polymer with oxirane di-2-propenoate and methyloxirane, polymer with oxirane mono-2-propenoate | Fluorinated (meth)acrylate polymers | 4 | 4 |
| 1-87-1 | 2-Propenoic acid, 2-[methyl[(pentadecafluorohepyt))sulfony)]amino]ethyl ester, polymer with 2-[methyl[(iridecafluorohexy)]sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(iridecafluorohexy)]sulfonyl]amino]ethyl 2-[methyl[(irideca | Fluorinated (meth)acrylate polymers | 6 | 7 |
| 1-91-6 | 2-Propenoic acid, 2-{methyl[(perfluoro(C8-C14)alkyl)sulfonyl]amino]ethyl ester, polymer with 2-ethylbexyl methacrylate and methacrylic acid | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 1-91-5 | 2-Propenoic acid, 2-[methyl[(perfluoro(C8-C14)alkyl)sulfoay]]amino[ethyl ester, polymer with buryl methacrylate, meptyl methacrylate and methylolacrylamide | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 74359-03-8 | 2-Propenoic acid, 2-chloro-, 2,2,2-trifluoroethyl ester, homopolymer | Fluorinated (meth)acrylate polymers | | |
| 163440-88-8 | 2-Propenoic acid, 2-ethylhexyl ester, polymer with 1,1-dichloroethene and .alpha-fluoro-omega-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]pol y(difluoromethylene) | Fluorinated (meth)acrylate polymers | | |
| 218448-99-8 | 2-Propenoic acid, 2-ethylhexyl ester, polymer with 2-{((heptadecafluoroocty)sulfonyl)propylamino ethyl, 2-propenoite and aipha(2-methyl-1-oxo-2-propenyl)-omegahydroxypoly(oxy-1,2-ethanediyl) | Fluorinated (meth)acrylate polymers | 8 | 8 |
| | | | | |
| 421595-49-5 | 2-Propencic acid, 2-hydroxyethyl ester, adduct with 5-isocyanato-1-(isoc | poly/perfluorinated COOPOLYMERS | | |
| 221455-63-6 | 2-Propenoic acid, 2-hydroxyethyl ester, polymers with _gamma:-omega-perfluoro-C8-20-alkyl arrylate and stearyl arrylate | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 90062-89-8 | 2-Propenoic acid, 2-methyl-, 2-(acetyloxy)-4,4,5,5,6,6,7,8,8,9,9,10,10, 11,12,12,12-octudecafluoro-11-(trifluoromethyl)dodecyl ester, homopolymer | Fluorinated (meth)acrylate polymers | 10 | 10 |
| 65605-53-0 | 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, N-oxide, polymer with .alphafluoroomega[2-[(2-methyl-1-oxo-2-propenyl).oxy]ethyl[poly(difluoromethylene) and .alpha(2-methyl-1-oxo-2-propenyl)omega(nonylphenoxy)poly(oxy-1,2-ethanediyl) | Fluorinated (meth)acrylate polymers | | |
| 174125-96-3 | 2-Propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester, polymers with .deltaomega-perfluoro-C10-16-alkyl acrylate and vinyl acetate | Fluorinated (meth)acrylate polymers | 10 | 20 |
| 479029-28-2 | 2-Propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester, polymers with .gamma, omegaperfluoro-C8-14-alkyl acrylate, acetates, N-oxides | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 186397-57-9 | 2-Propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester, polymers with .gammaomegaperfluoro-C10-16-alkyl acrylate and vinyl acetate | Fluorinated (meth)acrylate polymers | 10 | 16 |
| 196316-34-4 | 2-Propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester, polymers with .gammaomegaperfluoro-C10-16-alkyl acrylate and vinylacetate, acetates | Fluorinated (meth)acrylate polymers | 10 | 16 |
| 150409-18-0 | 2-Propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester, polymers with acrylonitrile, gamma.omega-perfluoro-c8-14-alkyl acrylate, polyethylene glycol monomethacrylate and styrene | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 150409-17-9 | 2-Propenoic acid, 2-methyl, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate, gammaomega-perfluoro-8-14-alkyl acrylate and polyethylene glycol monomethacrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| | 2 Provided 2 (Albertalis Substantial Annual Provided Research Prov | | | |
| 150135-57-2 150409-19-1 | 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate, gamma-omega-perfluoro-C8-14-alkyl acrylate and polyethylene glycol monomethacrylate, 2,2-azobis[2,4-dimethylpentanenitrile]-initiated 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Me methacrylate, gamma-omega-perfluoro-C8-14-alkyl acrylate, polyethylene glycol monomethacrylate and stearyl methacrylate 3-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Me methacrylate, gamma-omega-perfluoro-C8-14-alkyl acrylate, polyethylene glycol monomethacrylate, 2,2-azobis[2,4-dimethylpentanenitrile]-initiated | Fluorinated (meth)acrylate polymers | 8 | 14 14 |
| | 2-Propenos acid. 2-methy 2-4 (dimethylaminoplety) ester, tolorene with Me media-training and a perfusion-oc-81-t-als) actylate, polymens and series of the properties of the p | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 306977-10-6 72480-32-1 | 2-Propencia caic, 2-mentys, 2-domicnynamiopetrys cear, control with 2-drop (permion-G-4-8-anzy) automytyj amiopetryn y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetrys cear, Control with 2-drop (permion-G-4-8-anzy) automytyj amiopetryn y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnynamiopetryn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnyn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnyn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-domicnyn cear, Norlgamio-amoret y menercysiae art. 2-Propencia caic, 2-mentys, 2-me | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 | 8 |
| | 2-tropens and, 2-methy, 2-dembyancopy citer, N-1_gamma-onega-permore-k-s-t-auxy)nurony) corres, reaction promots with polyemysein given to sumogycome) 2-tropens and, 2-methy, 2-2-defiliozo-1-(rifluoromethy)sely) ester | | 1 | 3 |
| 3063-94-3 221-309-9 101061-04-5 | 2=ropens and 2-menty-2_2=manuso-r-(announcemy/suny esser 2=ropens and 2-menty-2_2=manuso-r-(announcemy/suny esser 2=ropens and 2-menty-2_2=3-manuso-r-(announcemy/suny) esser 2=ropens and 2-menty-2_2=3-manuso-r-(announcemy/suny) esser 3=ropens and 3-menty-2_2=3-manuso-r-(announcemy/suny) esser 3=ropens and | poly/perfluorinated (METH)ACRYLATES Fluorinated (meth)acrylate polymers | 1 | 2 |
| 59006-65-4 | 2=rtopenic acid_z=metryz_z_s_s=peniamonor+qeniamonormyr+quimonomeny)propyr east, nomopaymer 2=rtopenic acid_z=metryz_z_s_s=peniamonor+qeniamonormyr-quimonomeny)propyr east, nomopaymer 2=rtopenic acid_z=metryz_s_s_s=peniamonor+qeniamonormyr-quimonomenyopyr-quimonom | poly/perfluorinated (METH)ACRYLATES | • | 5 |
| 59006-65-4 48076-44-4 | 2=rupens and 2=menty - 2_3_3_4_3_5_6_7_raniamonyemic seed 2=Propensis and 2=menty - 2_3_3_4_3_5_6_6_7_raniamonyemic seed | poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES | 6 | 6 |
| 3934-23-4 223-509-1 | 2=rtopenia anu, 2=mmy, 2_23,344,35,66,774-maxamiorimspay esser 2=rtopenia anu, 2=mmy, | poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES | 7 | 7 |
| 53515-73-4 | 2 ropome and 2 membry 2, 2, 2, 3, 4,5,6,6,7,8,8,9 pentadeculturous cyt sets. 2 ropome and 2 membry 2, 2, 2, 3,4,4,5,6,6,7,8,8,9 pentadeculturous cyt sets. polymer with 2 propensic acid | poty/permuorinated (METH)ACRYLATES Fluorinated (meth)acrylate polymers | 7 | 7 |
| 33313-73-4 | | | 10 | 10 |
| 48077-86-7 | 2-Propenoic acid. 2-methyl-, 2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.11-heneicosafluoroundecyl ester | poly/perfluorinated (METH) ACRYL ATES | | 10 |
| 48077-86-7 | 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,11,11,1-leneicosafluoroundecyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,10,10,11,11-icosafluoroundecyl ester | poly/perfluorinated (METH)ACRYLATES | | 10 |
| 41123-44-8 255-230-6 | 2-Propensis axid, 2-methyl-, 2,2,3,3,4,5,5,6,7,7,8,8,9,10,10,11,11-sicosafluoroundecyl ester | poly/perfluorinated (METH)ACRYLATES | 10 | 10 |
| 41123-44-8 255-230-6 48077-33-4 | 2-Propenoic acid, 2-methyl+, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,11,11-eicosafluoroundecyl ester 2-Propenoic acid, 2-methyl+, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,9-heptadecafluorononyl ester | poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES | 10 | 8 |
| 41123-44-8 255-230-6 48077-33-4 1841-46-9 217-419-1 | 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,11,11-icosafluoroundecyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9-heptadecafluorononyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9-hexadecafluorononyl ester | poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES | 10 | |
| 41123-44-8 255-230-6 48077-33-4 1841-46-9 217-419-1 2261-99-6 218-863-9 | 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,11,11-iccosafluoroundecyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9-hepadecafluorononyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9-hexadecafluorononyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,7-dodecafluorohepyl ester | poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES poly/perfluorinated (METH)ACRYLATES | 10 | 8 9 |
| 41123-44-8 255-230-6 48077-33-4 1841-46-9 217-419-1 2261-99-6 218-863-9 355-93-1 206-596-0 | 2-Propensic acid, 2-methyl-, 2.2,33,44.55,66,77,88,99,10,10,11,11-cicosafluoroundecyl ester 2-Propensic acid, 2-methyl-, 2.2,33,44.55,66,77,88,99,9-beptubecafluorononyl ester 2-Propensic acid, 2-methyl-, 2.2,33,44.55,66,77,88,99-becadecafluorononyl ester 2-Propensic acid, 2-methyl-, 2.2,33,44.55,66,77,86,99-becadecafluorononyl ester 2-Propensic acid, 2-methyl-, 2.2,33,44.55,66,77,86,99-becadecafluoronopyl ester 2-Propensic acid, 2-methyl-, 2.2,33,44.55,6c,74,86,97-becadecafluoronopyl ester | polyiperfluorinated (METH)ACRYLATES polyiperfluorinated (METH)ACRYLATES polyiperfluorinated (METH)ACRYLATES polyiperfluorinated (METH)ACRYLATES polyiperfluorinated (METH)ACRYLATES polyiperfluorinated (METH)ACRYLATES | 10 8 9 7 5 | 8 9 7 5 |
| 41123-44-8 255-230-6 48077-33-4 1841-46-9 217-419-1 2261-99-6 218-863-9 355-93-1 206-596-0 45102-52-1 256-189-7 | 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,77,8,89,9,10,11,11-icosafluoroundecyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77,8,89,9-beadecafluorononyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77,8,89,9-beadecafluorononyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77-dodecafluoronberyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77-dodecafluoronberyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,6,5,6,6,77-dodecafluoronberyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,6,5,6,6,77-dodecafluoronberyl ester | poly/perfluorinated (METH)ACRYLATES | 10 | 8 9 7 5 4 |
| 41123-44-8 255-230-6 48077-33-4 1841-46-9 217-419-1 2261-99-6 218-86-9 355-93-1 206-596-0 45102-52-1 256-189-7 36405-47-7 | 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9,0,10,11,11-iccosafluoroundecyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9,9-bequidecafluoronouyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9-9-bequidecafluoronouyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,7,8,8,9-9-bequidecafluoronouyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,5,5-confultoronopyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,3-sterafluoronopyl ester 2-Propenoic acid, 2-methyl-, 2,2,3,4,4-bexafluorobuthyl ester | poly/perfluorinated (METH)ACRYLATES | 10 8 9 7 5 | 8 9 7 5 |
| 41123-44-8 255-230-6 48077-33-4 1841-46-9 217-419-1 2261-99-6 218-863-9 355-93-1 206-596-0 45102-52-1 256-189-7 | 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,77,8,89,9,10,11,11-icosafluoroundecyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77,8,89,9-beadecafluorononyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77,8,89,9-beadecafluorononyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77-dodecafluoronberyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,5,5,6,6,77-dodecafluoronberyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,6,5,6,6,77-dodecafluoronberyl ester 2-Propencic acid, 2-methyl-, 2,2,3,3,4,6,5,6,6,77-dodecafluoronberyl ester | poly/perfluorinated (METH)ACRYLATES | 10 8 9 7 5 | 8 9 7 5 4 |

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|--|--------------------|--|--|-----|--------------|
| Separate Series Department of the Company of th | 14650-24-9 | 2-Propensic acid, 2-methyl-, 2-[[(heptadeca-fluoroocty)]sulfonyl]methylamino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| Process Process April Process Proces | 1-70-4 | 2-Propenoic acid, 2-methyl, 2-[[(heptadecafluoroocty)] sulfonyl]methylaminojethyl ester, polymer with 2-[methyl[(nonafluorobuty)) sulfonyl]aminojethyl 2-methyl-2-propenoate, 2-[methyl[(pentadecafluorobepty)] sulfonyl]aminojethyl 2-methyl-2-propenoate, 2-[methyl-2-propenoate, 2-[methyl-2-propen | Fluorinated (meth)acrylate polymers | 4 | 8 |
| Section Description Desc | | | | i | |
| March March Tell and Tell | | | Fluorinated (meth)acrylate polymers | 4 | 8 |
| | | The results of the Association Associated the second secon | | 8 | 8 |
| | | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| | 70900-35-5 | 2-Propenoic acid, 2-methyl-, 2-[[[[2-methyl-5-[[[4- methyl](pentadecafluoroheptyl)sulfonyl]amino]butoxy[carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| | 70900-36-6 | 2-Propenoic acid, 2-methyl-, 2-[[[]2-methyl-5-[[[4-[methyl](tridecafluorohexyl)sulfonyl]amino]betoxyl[amino]betoxyl]amino]betoxyl[amino]betoxy | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| | 70900-37-7 | 2-Propenoic acid, 2-methyl-, 2-[[[]2-methyl-5-[[[4-[methyl](undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]carbonyl]propyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 11 | 11 |
| | c0200 70 2 | 2 Propagata and 2 mathed 2 HHS III 2 Inheli (heart-decoff) conference and confere | | | |
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| | | | 71 | 6 | - 6 |
| December 10 Process and Control 1 1 1 1 1 1 1 1 1 | | | | 5 | _ |
| | 70900-34-4 | 2-Propenoic acid, 2-methyl., 2- [[5-[[[4-[[theptadecafluoroocty]]sulfony]]methylamino[butoxy]carbonyl]amino[-2-methylphenyl]amino[carbonyl]oxy]propyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | - 8 |
| | 70900-40-2 | 2-Procencic acid. 2-methyl-, 2-IIIS-III64-II(hertadecafluorooctyl)sulfonylmethylaminolbutoxylcarbonylaminol-2-methylobenylaminolcarbonylloxylorooyl ester, telomer with butyl 2-propenoate, 2-II(heotadecafluorooctylsulfonylmethylamin RESTEN=858 | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 1.00 | 70700 40 2 | | Trunky, permorounky, autonominos (run is) | | |
| Negeria of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure or policy of Service (1 man) - Enthistypoundemonological procedure of procedure of policy of Service (1 man) - Enthistypoundemonological procedure of procedure of procedure or policy of Service (1 man) - Enthistypoundemonological procedure of procedure of procedure of procedure of policy of Service (1 man) - Enthistypoundemonological procedure of pro | 68555-91-9 | 2-Propenoic acid, 2-methyl-, 2-[ethyl][(heptadecafluorooctyl)sulfonyl]amino] ethyl ester, polymer with 2-[ethyl][(nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl][(pentadecafluorobeptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[eth | Fluorinated (meth)acrylate polymers | 4 | 8 |
| Propose ACT Performance | 376-14-7 206-805-5 | 2-Propenoic acid, 2-methyl-, 2-[ethyl]([heptadecafluorooctyl)sulfonyl]amino ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| Propose ACT Performance | | | | | |
| Proposition of Control Proposition of Cont | 68877-32-7 | 2-tropenou: acu, 2-memys, 2-temyt(nepradecathuorooctyt)sultonyt)amnojethyt 2-methyt-2-propenoute, 2-tethyt(nonathuorobutyt)sultonyt)amnojethyt 2-methyt-2-propenoute, 2-tethyt(nonathuorobutyt)sultonyt 2-methyt-2-propenoute, 2-tethyt(nonathuorobutyt)sultonyt 2-tethyt(nonathuorobutyt)sultonyt 2-tethyt(nonathuorobutyt)sultonyt 2-tethyt(nonathuorobu | Fluorinated (meth)acrylate polymers | 4 | - 8 |
| Proposition of Control Proposition of Cont | 68568-77-4 | 2-Propenoic acid, 2-methyl, 2-[ethyl]((heptadecafluoroocty))sulfony)]aminojethyl ester, polymer with 2-chloro-1,3-butadiene, 2-[ethyl](nonafluorobuty)sulfony]]aminojethyl 2-methyl-2-propenoate, 2-[ethyl](pentadecafluorobetyv)sulfonyl] RESTEN= 170 | Fluorinated (meth)acrylate polymers | 4 | 8 |
| | 00300774 | | 1 months (mention) and polymers | | |
| | 68867-62-9 | 2-Propenoic acid, 2-methyl-, 2-[ethyl](heptadecafluorooctyl)sulfonyl]amino[ethyl 2-methyl-2-propenoate, 2-ethyl](pentadecafluorooctyl)sulfonyl]amino[ethyl 2-methyl-2-propenoate, 2-ethyl](pentadecafluorooctyl)sulfonyl]amino[ethyl 2-methyl-2-propenoate, 2-[ethyl (nonafluorobutyl)sulfonyl]amino[ethyl 2-methyl-2-propenoate, 2-[ethyl 2-methyl-2-[ethyl 2-methyl-2-propenoate, 2-[ethyl 2-methyl-2-[ethyl 2-methy | Fluorinated (meth)acrylate polymers | 8 | 8 |
| | | | | | |
| 2 2 2 2 2 2 2 2 2 2 | | | | 8 | - 8 |
| | | | | 4 | 4 |
| | | | | 4 | 4 |
| | | A CONTRACT OF THE CONTRACT OF | | 7 | 7 |
| 1909-17 2 Proposition And 2 methods 2 - Substitution (Controlled State S | | | · · · · · · · · · · · · · · · · · · · | 7 | 7 |
| | 67906-70-1 | 2-Propenoic acid, 2-methyl, 2-fethyl[(tridecafluorohexyl)sulfonyl]amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| Propose and 2 months Security | 67906-71-2 | 2-Propenoic acid, 2-methyl-, 2-[ethyl](tridecafluorohexyl)sulfonyl]aminojethyl ester, polymer with octadecyl 2-propenoic acid | Fluorinated (meth)acrylate polymers | 6 | 6 |
| | 67906-73-4 | 2-Propenoic acid, 2-methyl-, 2-[ethyl](undecafluoropentyl)sulfonyl]amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 2 Popular and 2 modes, 2 Instituted (market) Electrical (marke | 67906-74-5 | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(undexafluoropentyl)sulfomyl]amino]ethyl ester, polymer with octadecyl 2-propenoite and 2-propenoic acid | Fluorinated (meth)acrylate polymers | 5 | 5 |
| | 68784-73-6 | 2-Propenoic acid, 2-methyl-, 2-[methyl](_gammaomegaperfluoro-C8-14-alkyl)sulfonyl]amino]ethyl esters, reaction products with polyethylene glycol bis(mercaptoacetate) | Fluorinated (meth)acrylate polymers | 8 | 14 |
| | | | | 1 | |
| 1999-22 2 Proposes seid, 2-melhy 2-melhyllemediate-indepting implication flower to sendary 2-melhyl 2-m | | | | 4 | - 8 |
| Physics of Physics and 2 months 2 months (printing of printing of printi | | | | 4 | 4 |
| | 017007 72 2 | | · · · · · · · · · · · · · · · · · · · | 4 | 4 |
| 2 Proposite and 2 - month; 2 - feeting 2 | 67939-96-2 | 2-Propenoic acid, 2-methyl-, 2-[methyl[(pentadecafluorohepty]sulfonyl]amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 22190.87.8 2. Proposite and 2. Sembyls, 2. desphery of east, polymer with a gammamagaperfluors C-53-0 halfy anythes and polymbyles glycolanosomethic ylater | 67584-61-6 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 2 Proposite and 2 Immetryl, 2 subplicacy learn, polymen with 2 (Deptackacilhosoxychylandisop) (anterplane) (antipolicy) 2 proposate. 2 Proposite and 2 Immetryl, 2 subplicacy learn, polymen with 2 (Deptackacilhosoxychylandisop) (anterplane) (antipolicy) 2 proposate, 2 proposat | 67584-60-5 | 2-Propenoic acid, 2-methyl-, 2-[methyl](undecafluoropentyl)sulfonyl]amino]ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 2 Proposic acid. 2-methyl. 2-thyftneys (sear, polymer with 2-([Operadocal-univorsey))-ulifony]-interlylamino/phyl 2-proposones. 2-[methyl[(poradocal-univorsey)-yulifony]-interlylamino/phyl 2-proposones. 2-[methyl[(poradocal-univorsey)-yulifony]-interlylamino/phyliosy-interlylamino/phyliosy-interlylamino/phyliosy-interlylamino/phyliosy-interlylamino/phyliosy-interlylamino/phyliosy-interlylamino-in | 224790-87-8 | 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with .gammaomegaperfluoro-C8-20-alkyl acrylate and polyethylene glycolmonomethacrylate | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 2Proposise and 2 enthyls; 2-ethylbacy lester, polymers with N-dydroxymothyls-2-properousis and gamma-image, perfluoro-CT-016-silkyl scrybine 2335 2Proposise and 2 methyls; 2-hydroxyedyl sters, polymers with 1.1 dichlorordone, beneicosulhorordodecyl 2-properousis, N-dydroxymothyls-2-properousis, N-dydroxymothyls-2-properousis and N-dydroxymothyls-2-properousia and N-dyd | 73018-93-6 | 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 2Proposise and 2 enthyls; 2-ethylbacy lester, polymers with N-dydroxymothyls-2-properousis and gamma-image, perfluoro-CT-016-silkyl scrybine 2335 2Proposise and 2 methyls; 2-hydroxyedyl sters, polymers with 1.1 dichlorordone, beneicosulhorordodecyl 2-properousis, N-dydroxymothyls-2-properousis, N-dydroxymothyls-2-properousis and N-dydroxymothyls-2-properousia and N-dyd | | Description of a public of a public of the p | | | |
| 2-Propensic asid, 2-methyl. 2-hydroxychyl ester, polymer with 1,1-dichlororethere, henciosalhorododeyl 2-propensuse, heptadecalhorodeyl 2-propensuse, Nchydroxymhyl)-2-propensuse, alpha-(2-methyl-1-oxo-2-propenyl)-mega-hydroxyphycys-1,2-st 2-Propensic asid, 2-methyl. 2-hydroxychyl ester, polymer with hesadecyl methacylute, 3-trimethoxyshlylpropyl methacylute and gammaomega-perfluoro-CSC16-alkyl acrylate 2-Propensic asid, 2-methyl. 2-hydroxychyl ester, polymers with 3,3,44,55,66,67,78,89,0.10,10-heptadecalhoron-l-decand- and 2-hydroxychylacylute-holescale and gammaomega-perfluoro-CSC16-alkyl acrylate and cotalydro-4,7-methano-1H-indepylacr 2-Propensic asid, 2-methyl. 2-hydroxychyl ester, polymers with hesadecyl 2-methyl-2-propensus, oxtadecyl 2-methyl-2-propensus, 5-trimethoxyshly/propyl 2-methyl-2-propensus and gammaomega-perfluoro-CSC16-alkyl acrylate and catalydro-4,7-methano-1H-indepylacr 2-Propensic asid, 2-methyl-2-hydroxychyl ester, reaction products with 5-inocynamic-Hisophacyl-3-st-intendpylecylchenam and Me Bi ketone oxime, polymer with gammaomega-perfluoro-CSC20-alkyl acrylate 2-Propensic asid, 2-methyl-2-propensus with beasdecyl 2-methyl-2-propensus and Me Bi ketone oxime, polymer with gammaomega-perfluoro-CSC20-alkyl acrylate 2-Propensic asid, 2-methyl-2-hydroxychyl ester, reaction products with 5-inocynamic-Hisophacyl-3-st-intendpylecylchenam and Me Bi ketone oxime, polymer with gammaomega-perfluoro-CSC20-alkyl acrylate 2-Propensic asid, 2-methyl-2-hydroxychyl ester, reaction products with 5-inocynamic-Hisophacyl-3-st-intendpylecylchenam and Me Bi ketone oxime, polymer with garylate, 2-hydroxychyl-acrylate and gaw-perfluoro-CSC20-alkyl acrylate 2-Propensic asid, 2-methyl-2-hydroxychyl-acrylate polymers 3-propensic asid, 2-methyl-2-hydroxychyl-acrylate polymers 4-propensic asid, 2-methyl-2-hydroxychyl-acrylate polymers 5-propensic asid, 2-methyl-2-hydroxychyl-acrylate polymers 5-propensic asid, 2-methyl-2-hydroxychyl-acrylate polymers 5-propensic asid, 2-methyl-2-hydroxychyl-acrylate poly | | | | 4 | 8 |
| 2-335 2-Propensic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with hexadecyl methacrylate, 3-(trimethoxylat/placy) are players of the Care Distrimethylogropous polymer, Me methacrylate and octahydro-4,7-methano-H-indemylacr Planoriated (meth)acrylate polymers 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 200295-54-1 | 2-tropenoc acia, 2-memys, 2-entynexyi esier, polymers wim x-(hydroxymethyl)-2-methyl-2-propenamide and gammaomega-perfluoro-C/IU-16-alkyl acrylate | Fluorinated (meth)acrylate polymers | 10 | 16 |
| 2-335 2-Propensic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with hexadecyl methacrylate, 3-(trimethoxylat/placy) are players of the Care Distrimethylogropous polymer, Me methacrylate and octahydro-4,7-methano-H-indemylacr Planoriated (meth)acrylate polymers 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 112311-93-0 | 2-Propenoic acid, 2-methyl, 2-hydroxyethyl ester, polymer with 1,1-dichloroethene, heneicosaftuorododecyl 2-propenoate, heptadecaftuorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, .alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly(oxy-1,2-et | Fluorinated (meth)acrylate polymers | 8 | 10 |
| 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, polymers with 3,3,4,4,5,5,6,6,7,8,8,9,0,10,10,10-heptadecafluror-1-decanol- and 2-hydroxyethyl-acytate-blocked 2,4-TDI-trimethylolpropane polymer, Me methacrylate and octahylro-4,7-methano-1H-inderylate 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, polymers with hexadecyl 2-methyls-2-propenoute, 3-(trimethoxyshly) propyl 2-methyls-2-propenoute and gammaomega-perfluoro-CB-16-alkyl propenoute 2-21455-57-8 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, reaction products with 5-iooxyanatom-t-(iooxyanatomethyl)-1,3-trimethylsyclohexane and Me El ketone oxime, polymer with gammaomega-perfluoro-CB-20-alkyl acrylate 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, reaction products with 5-iooxyanatom-t-(isoxyanatomethyl)-1,3-trimethylsyclohexane and Me El ketone oxime, polymer with garylate, 2-hydroxyethyl acrylate and searyl acrylate 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, treation products with 5-iooxyanatom-t-(isoxyanatomethyl)-1,3-trimethylsyclohexane and Me El ketone oxime, polymer with 2-dilytoxyethyl acrylate and searyl acrylate 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, treation products with 5-iooxyanatom-t-(isoxyanatomethyl)-1,3-trimethylsyclohexane and Me El ketone oxime, polymer with 2-dilytoxyethyl acrylate and searyl acrylate 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, treation products with 5-iooxyanatom-t-isoxyanatomethyl)-1,3-trimethylsyclohexane and Me El ketone oxime, polymer with 2-dilytoxyethyl acrylate and searyl acrylate 2-Propenoia acid, 2-methyls, 2-hydroxyethyl ester, reaction products with 5-iooxyanatom-t-isoxyanatomethyl)-1,3-trimethylycoryethyl 2-propenous and 2-hydroxyethyl 2-propenous | | 2-Propenoic acid, 2-methyl, 2-hydroxyethyl ester, polymer with hexadecyl methacrylate, octadecyl methacrylate, 3-(trimethoxysilyl)propyl methacrylate and gamma-omega-perfluoro-C8-C16-alkvl acrylate | | 8 | 16 |
| 2-Propensic acid, 2-methyl, 2-hydroxycthyl ester, polymers with besadecyl 2-methyl-2-propensate, octadecyl 2-methyl-2-propensate, 3-(trimethoxysily)tpropyl 2-methyl-2-propensate and gammaomaga-perfluoro-CR-20-alkyl propensate 2-Propensic acid, 2-methyl, 2-hydroxycthyl ester, reaction products with 5-isocyanaton-l-(isocyanaton-ethyl)-1,3-4-trimethylcyclohexane and Me El ketone oxime, polymer with gammaomaga-perfluoro-CR-20-alkyl acrylate 2-Propensic acid, 2-methyl, 2-hydroxycthyl ester, reaction products with 5-isocyanaton-l-(isocyanaton-ethyl)-1,3-4-trimethylcyclohexane and Me El ketone oxime, polymers with 2-ethylhexyl acrylate, 2-hydroxycthyl acrylate and g-w-perfluoro-CR-20-alkyl acrylate 3-Propensic acid, 2-methyl, 2-hydroxycthyl ester, reaction products with 5-isocyanaton-l-(isocyanaton-ethyl)-1,3-4-trimethyl-2-propensatie and 3,3,4,4,5,5,6,6,7,7,8,8-tridecafluoroxcyl methacrylate, 2,2-l-1,2-diazenedylbis(l-methylethylidene)} 3-propensic acid, 2-methyl, 2-hydroxycthyl seter, belowers with CIR-26-alkyl acrylate, 1-dodecanethiol, N-thydroxymethyl-2-methyl-2-propensatie and 3,3,4,4,5,5,6,6,7,7,8,8-tridecafluoroxcyl methacrylate, 2,2-l-1,2-diazenedylbis(l-methylethylidene)} 3-propensic acid, 2-methyl, 2-methyl-propyl ester, polymer with 2-d-diisocyanaton-l-methylethylethyl-2-propensation and 2-propensic acid, 2-methyl-propyl ester, polymer with bury 2-propensate and 2-propensic acid, N-ethyl-N-(hydroxyethyl)-propensate and 2-hydroxyethyl-propensate and 2-hydroxyethyl-propensate and 2-hydroxyethyl-2-propensate and 2-hydroxyethyl-2-prope | | | | | † |
| 221455.78 2-Propensic acid, 2-methyl, 2-hydroxyethyl ester, reaction products with 5-socyanatom-t-(socyanatomethyl)-1,3-4-rimethylcyclobexane and Me Ek ketone oxime, polymer with gamma—omega—perfluoro-C8-20-alkyl arrylate and searyl acrylate and searyl acrylate and searyl acrylate and ge-w-perfluoro-C8-20-alkyl acrylate and | 339163-51-8 | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymers with 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol- and 2-hydroxyethylacrylate-blocked 2,4-TDI-trimethylolpropane polymer, Me methacrylate and oxtahydro-4,7-methan-1H-indenylacrylate-blocked 2,6-TDI-trimethylolpropane polymer, Me methacrylate and oxtahydro-4,7-methan-1H-indenylate and oxtahydro-4,7-methan- | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 221455.78 2-Propensic acid, 2-methyl, 2-hydroxyethyl ester, reaction products with 5-socyanatom-t-(socyanatomethyl)-1,3-4-rimethylcyclobexane and Me Ek ketone oxime, polymer with gamma—omega—perfluoro-C8-20-alkyl arrylate and searyl acrylate and searyl acrylate and searyl acrylate and ge-w-perfluoro-C8-20-alkyl acrylate and | | | | 1 | |
| 221455-22-7 2-Propencic acid, 2-methyl-, 2-hydroxyethyl seter, reaction products with 5-isocyanatomethyl)-1,3-trimethylcyclobexane and Me Ek ketone oxime, polymers with 2-shydroxyethyl acrylate and g-w-perfluoro-C8-20-alkyl acrylate Fluorinated (meth)acrylate polymers 2-Propencic acid, 2-methyl-, 2-hydroxyethyl seter, telomers with C18-26-alkyl acrylate, 1-dodecamethiol, N-(hydroxymethyl)-2-methyl-2-propenamide and 3,3,4,5,5,6,6,7,8,8-8-tidecafluorooctyl methacrylate, 2,2-[1,2-diazenediy/bis(1-methylethylidens)]b 2-Propencic acid, 2-methyl-, 2-hydroxyethyl seter, polymer with 2-4-discoyanato-1-methylbemzene, 2-ethyl-2-(hydroxymethyl-)-3-propanedio and 2-propencio acid, N-ethyl-N-(hydroxyethyl)perfluoro-C48-alkinesulfonamide-blocked 306976-55-6 2-Propencic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2-4-discoyanato-1-methylbemzene, 2-ethyl-1-2-(hydroxymethyl)-1-3-propanedio and 2-propencio acid, N-ethyl-N-(hydroxyethyl)perfluoro-C48-alkinesulfonamide-blocked 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 2-78-4 | 2-rupenas: a-u, z-nucuys, z-nyuroxycuyt ester, potymers wim nexanecy; z-mennys-z-propenoate, octanecy; z-mennys-z-propenoate, x-(trimethoxysity)propy! z-methys-z-propenoate and gammasomega-perituors-(38-16-alky) propenoate | Finormated (meth)acrylate polymers | 8 | 16 |
| 221455-22-7 2-Propencic acid, 2-methyl-, 2-hydroxyethyl seter, reaction products with 5-isocyanatomethyl)-1,3-trimethylcyclobexane and Me Ek ketone oxime, polymers with 2-shydroxyethyl acrylate and g-w-perfluoro-C8-20-alkyl acrylate Fluorinated (meth)acrylate polymers 2-Propencic acid, 2-methyl-, 2-hydroxyethyl seter, telomers with C18-26-alkyl acrylate, 1-dodecamethiol, N-(hydroxymethyl)-2-methyl-2-propenamide and 3,3,4,5,5,6,6,7,8,8-8-tidecafluorooctyl methacrylate, 2,2-[1,2-diazenediy/bis(1-methylethylidens)]b 2-Propencic acid, 2-methyl-, 2-hydroxyethyl seter, polymer with 2-4-discoyanato-1-methylbemzene, 2-ethyl-2-(hydroxymethyl-)-3-propanedio and 2-propencio acid, N-ethyl-N-(hydroxyethyl)perfluoro-C48-alkinesulfonamide-blocked 306976-55-6 2-Propencic acid, 2-methyl-, 2-methylpropyl ester, polymer with 2-4-discoyanato-1-methylbemzene, 2-ethyl-1-2-(hydroxymethyl)-1-3-propanedio and 2-propencio acid, N-ethyl-N-(hydroxyethyl)perfluoro-C48-alkinesulfonamide-blocked 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 221455-57-8 | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and Me Et ketone oxime, polymer with gamma-omega-perfluoro-C8-20-alkyl acrylate and stearyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 2-Propensic acid, 2-methyl, 2-hydroxyethyl ester, telomers with C18-26-alkyl acrylate, 1-dodecamethiol, N-thydroxymethyl-2-propenanide and 3.3.4.5.5.6.6.7,78.8.8-tridecafluorooctyl methacrylate, 2.24[1.2-diazenediylbis(1-methylethylidenc)]b Fluorinated (meth)acrylate polymers 4 8 2-Propensic acid, 2-methyl, 2-methylpropyl ester, polymer with 2-4-discogranto-1-methylbenzene, 2-ethyl-2-hydroxymethyl)-1,3-propanediol and 2-propensic acid, N-thyl-N-thydroxyethylperfluoro-C48-alkanesulfonamides-blocked Fluorinated (meth)acrylate polymers 4 8 48 48 49-Propensic acid, 2-methyl, 2-methylpropyl ester, polymer with buyl 2-propensional and 2-furthyll(nept against and 2-furthyl) ester, tel-Bu benzeneshoperoxoate and 2-shydroxyethyl 2-propensic and 2-furthyll(nept algorithyl) ester, polymer with ethenylbenzene, 2-fethyll(hept adecafluorooctyl) sulfonyl jamino)ethyl 2-propensic and 2-hydroxyethyl 2-propensic and 2-hydroxye | | | | | 1 |
| 2-Propensic acid, 2-methyl; 2-methylpropyl ester, polymer with 2-dissocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)1-3-propanedia and 2-propensic acid, N-ethyl-N-(hydroxychyl)perfluoro-C48-alkanesulfonamides-blocked 4 9-Propensic acid, 2-methyl; 2-methylpropyl ester, polymer with butyl 2-propensic and 2-5-furnadione, gamma-omega,-perfluoro-C8-1-dalkyl esters, tet-Bu benzenecarhoperoxotai-initiated 68541-79-7 2-Propensic acid, 2-methyl; 3-(triethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite and 2-hydroxyethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite and 2-hydroxyethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite and 2-hydroxyethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compls. with 2,2-(methylimino)bis[ethanol] 960977-58-2 2-Propensic acid, 2-methyl; 3,3,4,5,5,6,6-nonafluorobexyl ester 97098-78-1 9709 | 221455-72-7 | 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, reaction products with 5-isocyanato-1-(isocyanator-1-(isocya | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 2-Propensic acid, 2-methyl; 2-methylpropyl ester, polymer with 2-dissocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)1-3-propanedia and 2-propensic acid, N-ethyl-N-(hydroxychyl)perfluoro-C48-alkanesulfonamides-blocked 4 9-Propensic acid, 2-methyl; 2-methylpropyl ester, polymer with butyl 2-propensic and 2-5-furnadione, gamma-omega,-perfluoro-C8-1-dalkyl esters, tet-Bu benzenecarhoperoxotai-initiated 68541-79-7 2-Propensic acid, 2-methyl; 3-(triethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite and 2-hydroxyethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite and 2-hydroxyethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensite and 2-hydroxyethyl 2-propensite 95590-48-0 2-Propensic acid, 2-methyl; 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-fethyl[(heptadecafluorooxyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compls. with 2,2-(methylimino)bis[ethanol] 960977-58-2 2-Propensic acid, 2-methyl; 3,3,4,5,5,6,6-nonafluorobexyl ester 97098-78-1 9709 | 1222522 10 6 | 2 December and 2 method 2 bedrownsthal seter telemore with C19 26 allred constants. I declarate this is a supplied and 2.3.4.4.5.5.6.6.7.7.9.9 reidecoffusercontal method processed in the constant of the con | The six stad (math) and the sales are | | |
| 459415.06 2-Propencic acid, 2-methyl, 2-methylyropyl ester, polymer with bunyl 2-propenoute and 2,5-furnatione, gamma-omega-perfluoro C8-14-alkyl esters, terl-Bu benzenecarhoperoxoate-initiated 68541-79-7 2-Propenoic acid, 2-methyl, 3-(triethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propenoute 78590-18-0 2-Propenoic acid, 2-methyl, 3-(trimethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propenoute 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | .555525-10-0 | - подражения при подражения при подражения подра | г могимо (полијастуми: розункта | | - 0 |
| 2-Propensic acid, 2-methyls, 3-(triethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propensate and 2-hydroxyethyl 2-propensate 95590-48-0 2-Propensic acid, 2-methyl, 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propensate and 2-hydroxyethyl 2-propensate 96590-48-0 2-Propensic acid, 2-methyl, 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propensate and 2-hydroxyethyl 2-propensate 96897-58-2 2-Propensic acid, 2-methyl, 3-(trinethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2-(methylimino)bis[ethanol] Pluorianted (meth)acrylate polymers 4 8 1799-88-4 2-Propensic acid, 2-methyl, 3,3,4,4,5,5,6,6-nonafluorobexyl ester 4 4 4 | 306976-55-6 | 2-Propenoic acid, 2-methyl, 2-methylpropyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 2-ethyl-2-(hydroxymethyl)+1,3-propanediol and 2-propenoic acid, N-ethyl-N-(hydroxyethyl)perfluoro-C4-8-alkanesulfonamides-blocked | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 2-Propensic acid, 2-methyls, 3-(triethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propensate and 2-hydroxyethyl 2-propensate 95590-48-0 2-Propensic acid, 2-methyl, 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propensate and 2-hydroxyethyl 2-propensate 96590-48-0 2-Propensic acid, 2-methyl, 3-(trinethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl 2-propensate and 2-hydroxyethyl 2-propensate 96897-58-2 2-Propensic acid, 2-methyl, 3-(trinethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2-(methylimino)bis[ethanol] Pluorianted (meth)acrylate polymers 4 8 1799-88-4 2-Propensic acid, 2-methyl, 3,3,4,4,5,5,6,6-nonafluorobexyl ester 4 4 4 | 459415-06-6 | 2-Propenoic acid, 2-methylp, 2-methylpropyl ester, polymer with butyl 2-propenoate and 2,5-furandione, gamma-omega-perfluoro-C8-14-alkyl esters, tert-Bu benzenecarboperoxoats-initiated | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 2-Propensic acid, 2-methyls, 3-(trimethoxysilyl)propyl ester, polymer with ethenylbenzene, 2-[ethyl](heptadecafluorooxyl)sulfonyl]amino]ethyl 2-propensia and 2-hydroxyethyl 2-propensia est. 306977-58-2 2-Propensic acid, 2-methyl, 3-(trimethoxysilyl)propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C4-8-sikyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2-(methylimino)bis[ethanol] Burinated (meth)acrylate polymers 4 8 1799-84-4 2-Propensic acid, 2-methyl, 3,3,4,4,5,5,6,6-nonafluorobexyl ester | | | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 2-Propenic acid, 2-methyl, 3-(trimethoxysily))propyl ester, polymers with acrylic acid, 2-[methyl[(perfluoro-C48-alky))sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds. with 2,2-(methylimino)bis[ethanol] Fluorinated (meth)acrylate polymers 4 8 1799-84-4 2-Propenic acid, 2-methyl, 3,3,44,5,5,6,6-nonafluorobexyl ester 4 4 4 | | 2-Procencic acid. 2-methyl. 3-(trimethoxysily) propyl ester, polymer with ethery/benzene. 2-fethyll(thestadecafluorooxyl)sulfonyllaminolethyl 2-procencate and 2-hydroxyethyl 2-procencate | | - 8 | 8 |
| 1799-844 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6-nonafluorohexyl ester polyperfluorinated (METH)ACRYLATES 4 4 | 22270 40 0 | 1 And the observation of the control | | | 1 |
| | 306977-58-2 | 2-Propensic acid, 2-methyls, 3-(trimethoxysityl)propyl ester, polymers with acrylic acid, 2-[methyl1(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and propylene glycol monoacrylate, hydrolyzed, compds, with 2,2'-(methylimino)bis[ethanol] | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 2144-53-8 218-407-9 2-Propencia caid, 2-methyl-, 3.54.4.5.5.6.6,7.7.8.88-tridecafluorooxyl ester polyperfluorinated (METH)ACRYLATES 6 6 | | | | | 1 |
| | 1799-84-4 | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6-nonafluorohexyl ester | poly/perfluorinated (METH)ACRYLATES | 4 | 4 |

| The Content of Conte | 1 | | | | |
|--|--|--|--|---|------------------------|
| March Marc | 2,62,9 | 2-Procenoic acid, 2-methyl-, 3.3.4.4.5.5.6.6.7.7.8.8.8-tridecafluorooctyl ester, nolymer with 2-methyl-2-hydroxyethyl-2-procenoate, 2-procenoic acid, C18-26-alkyl esters, 1.1-dichlorocthene and N-rhydroxymethyl-2-methyl-2-procenoatic | Fluorinated (meth)acrulate polymers | 6 | 6 |
| April | | | | 9 | 0 |
| | | | | , | , |
| Property | 70 00 7 | Transport of the transp | party party and the party and | 8 | 8 |
| Page | | Transport of the state of the s | | 8 | 8 |
| August August 1.000 1. | | discount of the control of the contr | | 8 | |
| | | | | 8 | |
| | 2144-54-9 218-40 | 8-4 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester | poly/perfluorinated (METH)ACRYLATES | 10 | 10 |
| | | 2 December 2 2 2 4 5 5 6 6 7 7 8 9 0 10 10 11 11 12 12 12 December 2 2 4 4 5 5 6 6 7 7 8 9 0 10 10 10 December 2 2 4 4 5 5 6 6 7 7 8 9 | | _ | |
| March | | | - manufacture (manufacture) and provide the control of the control | 6 | |
| | | | | | |
| | 4980-53-4 | | poly/perfluorinated (METH)ACRYLATES | 14 | 14 |
| Magnes and Profest (MASSAC ACTION CONTINUES AND | 59778-97-1 | 2-Propenoic acid, 2-methyl, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18 tritriacontafluorooctadecyl ester | poly/perfluorinated (METH)ACRYLATES | 16 | 16 |
| | 65104-66-7 | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-heptatriacontafluoroeicosyl ester | poly/perfluorinated (METH)ACRYLATES | 18 | 18 |
| Separation Separatin Sep | 94158-65-3 | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafluoro-17-(trifluoromethyl)octadecyl ester | poly/perfluorinated (METH)ACRYLATES | 17 | 17 |
| | 94158-64-2 | 2-Propencic acid. 2-methyl- 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16.16-octacosafluoro-15-friffuoromethyl)hexadecyl ester | | 15 | 15 |
| | | | | | |
| Segment of Levels in Control Subsequence and Control | | | | | |
| | | | * | | |
| | 260794-06-7 | | Fluorinated (meth)acrylate polymers | 8 | 16 |
| Process of 1 and | 260794-09-0 | 2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymers with N-hydroxymethyl-2-propenamide, gammaomega-perfluoro-C8-16-alkyl acrylate, stearyl acrylate and vinyl chloride | Fluorinated (meth)acrylate polymers | 8 | 16 |
| Properties of Teach Control | 61577-14-8 | 2-Propenoic acid, 2-methyl, 4-[[(heptadecafluorooctyl)sulfonyl]methylamino]butyl ester | poly/perfluorinated (METH)ACRYLATES | 8 | 8 |
| Properties of Teach Control | | | | | |
| | 68299-39-8 | 2-Propenoic acid, 2-methyl-, 4-[[(heptadecafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl[(nonafluorobutyl)sulfonyl]methylamino]butyl RESTEN= 690 | Fluorinated (meth)acrylate polymers | 8 | 8 |
| | 67906-39-2 | 2-Propenoic acid, 2-methyl, 4-[methyl[(nonafluorobutyl)sulfonyl]amino]butyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| Propose and Complex Security | 67906-38-1 | 2-Propenoic acid, 2-methyl-, 4-[methyl[(pentadecafluorohepty)]sulfonyl]amino]butyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| Proposed Supposed Scientific | 67939-61-1 | 2-Propencic acid, 2-methyl, 4- methyl (tridecafluorohexy) sulfonyl amino butyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| Propose and a controls, but some prince was produced and analysis between the prince was produced and analysis and a control of the propose and a controls between the prince was and a control of the prince and a control of t | 67006.40.5 | 2-Propenoic acid 2-methyl- 4-Imethyllfundecafluoropentylsulforyllaminol butyl ester | | 5 | - 5 |
| | 0.700.00 | Transport to A transp | (1111) | | |
| 1995-150 Septement of Security CRO (1996) primary primary in 20 Septement of Security CRO (1996) primary primary in 20 Septement of Security CRO (1996) primary in 20 Security CRO (| | | | | |
| 1203-15 September and 2 control, COLF And planes present with a control of the present of the of t | | | Fluorinated (meth)acrylate polymers | 10 | |
| 1991 1992 | 129783-45-5 | 2-propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and gammaomega-perfluoro-C8-14-alkyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 1991-55 2 Propose Act 2 and 6. C \$22 de fee one prime will includent includent and prime will be a prime w | 125328-29-2 | 2-propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 1911.52 | 148878-17-5 | 2-Propenoic acid, 2-methyl-, C12-18-alkyl esters, polymer with .alphafluoro-omega-[2-[(1-oxy-2-propenyl)oxy]ethyl]poly(difluoromethylene) and vinylidene chloride | Fluorinated (meth)acrylate polymers | 2 | 18 |
| 1985-25 Speece and 3 codys C-C-C-Ref form policy common (1997) Speece and 3 codys (1997) C-Ref form (1997) C-Ref for | | | | | |
| Propose of Limits C. Field you may be seen in Company and Compan | 212013-59-7 | 2-Propenoic acid, 2-methyl-, C18-22-alkyl esters, polymers with cyclohexylmethacrylate, alpha-fluoro-omega-[2-[(1-oxo-2-propenyl)oxy]ethyl]poly(difluoromethylene) and 2-hydroxyethylate-5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane-Me Et | Fluorinated (meth)acrylate polymers | 18 | 22 |
| | 68988-53-4 | 2-Propenoic acid, 2-methyl-, C4-18-alkyl esters, polymers with 2-[methyl](_gammaomegaperfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| | 68988-52-3 | 2-Propenoic acid, 2-methyl-, C4-8-alkyl esters, polymer with 2-[methyl](.gammaomegaperfluoro-C8-14-alkyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate | Fluorinated (meth)acrylate polymers | 4 | 8 |
| | 68988-55-6 | 2-Propenoic acid. 2-methyl. C7-18-alkyl esters, polymer with 2-lmethylf (.gamma-omesa-perfluoro-C8-14-alkyl sulfonyllaminolethyl 2-methyl-2-propenoste | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 1907-154-152 2 Proposes and 2 models, colleged one physics with miles algebraic, games are supposed probability and several methods and probability and several methods an | | | | 7 | |
| 2 Propose and 2 ambys, doing to many physics with 2 physics and supplement C-14 adjullated phismosity of properties of the supplement C-14 adjullated phismosity of the supplement C-14 adjullated C- | 00,000 | | | , | |
| September 1005-250-250-250-250-250-250-250-250-250- | | | | 8 | |
| 1340.12.13 | | | Fluorinated (meth)acrylate polymers | 4 | |
| 2013-1451 2 Proposes and 2 controls, baseley from polymers with 2-deplicacyday ineduceylase, genome, controls of a propose of a pro | 306975-85-9 | 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with N-(hydroxymethyl)-2-propenamide, 2-[methyl]((perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate, stearyl methacrylate and vinylidene chloride | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 2-Proposis aid, 2-anthy, multy four, polymer with 2-depthery) 2-proposane, 2-(Inspirate-culturous polymers) and a depth. (2-methy) 1-one 2-proposal, model plants are polymer with outsome more 2-proposale, and a plant. (2-methy) 1-one 2-proposal, model plants are polymers with 2-depthery). Proposale aid, 2-anthy, multy four, polymer with 3.3.4.5.5.6.7.7.3.8.9.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0 | 134042-87-8 | 2-Propenoic acid, 2-methyl-, heptafluoropropyl ester, homopolymer | Fluorinated (meth)acrylate polymers | | 3 |
| 2 Propose and 2 Propose and 3 Propose | 203743-03-7 | 2-Propenoic acid, 2-methyl-, hexadecyl ester, polymers with 2-hydroxyethyl methacrylate, gamma omega-perfluoro-C10-16-alkyl acrylate and stearyl methacrylate | Fluorinated (meth)acrylate polymers | 10 | 16 |
| 2 Propose and 2 Propose and 3 Propose | | | | | |
| 24529-35.5 245000000000000000000000000000000000000 | 263260-98-6 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylbexyl 2-propenoate, 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, isooctadecyl 2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, and .alpha(2-meth | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 24529-35.5 245000000000000000000000000000000000000 | i l | | | | |
| 2-Propensic said, 2-methyl-, methyl caster, polymer with 3,3,44,55,66,77,88,99,10,1010-hypathedulmorodocyl 2-propensus, alpha -(2-methyl-1-suo-2-propenyl)mega,-methoxypslycny-1,2-ethanedly), alpha-(2-methyl-1-suo-1-propens) -mega-methoxypslycny-1,2-ethanedly), alpha-(2-methyl-1-suo-1-propens) | | | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 2-Propensie said, 2-methyl, methyl ester, polymer with 3,3,44,55,66,77,88,99,10,10,10 heptadecalhurordecyl 2-propensuite, and sulpsyl chloride-trietylesse glycest polymer with culture mono-2-propensuite | 146289-38-5 | 2-Propenoic acid, 2-methyl, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, block, peroxidized adipoyl chloride-triethylene glycol polymer-initiated (NDSL) | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 2-Propensie said, 2-methyl, methyl ester, polymer with 3,3,44,55,66,77,88,99,10,10,10 heptadecalhurordecyl 2-propensuite, and sulpsyl chloride-trietylesse glycest polymer with culture mono-2-propensuite | 255400 02 4 | 2 December 1 and A control con | The state of the s | | |
| 2Propensie seid, 2 methyl, methyl eiter, polymer with 33,44,55,66,77,88,99,101,010 hepsadecullisorodecy12 pronemate, alpha, C methyl 1-oux-2 propenyl)- omega, methoxypoly(oxy-1,2 ethanedyl) and red (1R,2R,RP,1.7.7 Phorinated (methiacrylate polymers) 8 8 8 8 8 8 8 8 8 | | | | 8 | 8 |
| 2-Propencie caid, 2-methyls, methyl ester, polymer with 3,3,4,4,5,5,6,77,88,99,10,1010-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-chancelyl) and rel-(1R,2R,4R)-1,77 Fluorinated (meth)acrylate polymers 8 8 8 8 248-0344 2-Propencie caid, 2-methyls, methyl ester, polymer with 3,3,4,4,5,5,6,77,88,99,10,1010-heptadecafluorodecyl-2-propenoute, methyloxirate polymer with oxframe mono-2-propensub bulyl ether, and 2-propension caid 2-Propensio caid, 2-methyl-1-stop-2-propension caid, 2-methyl-1-stop-2-propension, methyloxirate polymers 8 8 8 8 8 1768-1788-1788-1788-1788-1788-1788-1788- | ., | | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 88248-344 2-Propensic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,10,10,10-heptadecafluorodecyt-2-propensute methyloxinane polymer with oxirane mono-2-propensute buryl ether, and 2-propensic acid 3. Photorisated (meth)acrylate polymers 4.8 8.8 8.8 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8 | 200413-68-9 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-pronenoute and methyloxirane polymer with oxiranemono-2-propenoute | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 88248-344 2-Propensic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,10,10,10-heptadecafluorodecyt-2-propensute methyloxinane polymer with oxirane mono-2-propensute buryl ether, and 2-propensic acid 3. Photorisated (meth)acrylate polymers 4.8 8.8 8.8 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8 | | | | | |
| 2-Propenoia acid, 2-methyl-, methyl ester, polymer with 3,3,4,5,5,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, methyloxirane polymer with oxirane mono-2-propenoute acid 2-propenoia acid, 2-methyl-, methyl ester, polymer with 3,3,4,5,5,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl). 17687-20-2 2-Propenoia acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-[[(beptadecafluorodecyl-2-propenoute, 2-[(methyl-1-oxo-2-propenyl)-omega-(12-methyl-1-oxo-2-propenyl). 2-Propenoia acid, 2-methyl-, methyl ester, polymer with 2-propenoute, 3,3,4,5,5,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, 2-propenyl-omega-(2-methyl-1-oxo-2-propenyl). 2-Propenoia acid, 2-methyl-, methyl ester, polymer with 2-propenoute, 3,3,4,5,5,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, 2-propenyl-omega-nethoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-nethoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl-omega-nydroxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl-omega-nydroxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl-omega-nydroxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl-omega-nydroxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl-omega-nydroxypoly(oxy-1,2-ethanediyl)) 3-Propenoia acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 2-ethylhesyl-2-propenoute, 3,3,4,5,5,6,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-nydroxypoly(oxy-1,2-ethanediyl)) 3-Propenoia acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 3,3,4,5,5,6,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-nydroxypoly(oxy-1,2-ethanediyl)) 3-Propenoia acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichlorocchene, 2-propenoute, 3,3,4,5,5,6,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-nydroxypoly(oxy-1,2-ethanediyl)) 3-Propenoia acid, 2-methyl-, octadec | 502449.26.0 | 2 December 24 Market matted ma | Floridated (math) and at a change | 0 | |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,5,5,6,7,7,8,8,9,10,10,10-hepsadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl). Fluorinated (meth)acrylate polymers 8 8 8 71487-20-2 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-thylpseter, polymer with ethenylbenzene, 2-[((hepsadecafluorodecyl)-propenoute, 2-(methyl)((nonafluoroduvyl)-alfonyl]amino]ethyl 2-propenoute, 2-(methyl)((poyr-1,2-ethanediy)), alpha-(2-methyl-1-oxo-2-propenyl). Fluorinated (meth)acrylate polymers 8 9 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | | | 8 | 8 |
| 2-Propenoia acid, 2-methyl-, methyl ester, polymer with ethenythemzene, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(nonafluorobetyl)sulfonyl]amino]ethyl | 88248-34-4 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute | | 8 | 8 |
| 2-Propenoia acid, 2-methyl-, methyl ester, polymer with ethenythemzene, 2-[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(nonafluorobetyl)sulfonyl]amino]ethyl | 88248-34-4 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute | Fluorinated (meth)acrylate polymers | 8 8 8 | 8 8 8 |
| 2-Propencia caid, 2-methyl-, methyl ester, polymer with 2-driphexyl-2-propensus, 3,3,4,5,5,6,7,7,8,8,9,10,10,10-heptadecalhorodecyl-2-propensus, alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl-1-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl-1-omega-methoxypoly(oxy-1,2-ethanediy)), alpha-(2-methyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-omega-methoxypoly(oxy-1,2-ethanediy)), alpha-(2-methyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-pro | 88248-34-4 214002-95-6 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6,7.7.8.8.9.9.10,10.10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6.7.7.8.8.9.9.10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 8 | 8 8 |
| 2-Propencia caid, 2-methyl-, methyl ester, polymer with 2-driphexyl-2-propensus, 3,3,4,5,5,6,7,7,8,8,9,10,10,10-heptadecalhorodecyl-2-propensus, alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl-1-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl-1-omega-methoxypoly(oxy-1,2-ethanediy)), alpha-(2-methyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-omega-methoxypoly(oxy-1,2-ethanediy)), alpha-(2-methyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-propenyl-1-oxo-2-pro | 88248-34-4 214002-95-6 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6,7.7.8.8.9.9.10,10.10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6.7.7.8.8.9.9.10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 8 8 | 8 8 8 |
| 2-Propenoia acid, 2-methyl-, methyl ester, polymers with gammaomega-perfluoro-C8-20-allyl acrylate 2-Propenoia acid, 2-methyl-, methyl ester, polymer with 1-dodecanethiol, 2-ethylhesyl-2-propenouate, 3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenouate and alpha-(2-methyl-1-xxx-2-propenyl)-omega-hydroxypoly(oxy(methyl-1,2-ethanediy) 3-Propenoia acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 3,3,4,5,5,6,6,7,8,8,9,9,10,10,0-heptadecafluorodecyl-2-propenouate, alpha-(2-methyl-1-xxx-2-propenyl)-omega-(2-methyl-1-xxx | 88248-34-4 214002-95-6 176894-23-8 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,5,5,6,6,77,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-((2-methyl-1-oxo-2-propenyl)) | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 8 8 | 8 8 8 8 |
| 2-Propenoic acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 2-ethylhesyl-2-propenoute, 3,3,4,5,5,6,6,7,88,99,10,10,10-heptadecafluorodecyl-2-propenoute and allpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly(oxy(methyl-1,2-ethanediy) 380843.06-1 2-Propenoic acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 3,3,4,5,5,6,6,7,88,99,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-((2-methyl-1-oxo-2-propenyl)-omega-(1) phyloxy-1,2-ethanediy) 380843.06-1 2-Propenoic acid, 2-methyl-, netadecyl ester, telomer with 1-dodecanethiol, 3,3,4,5,5,6,6,7,88,99,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-((2-methyl-1-oxo-2-propenyl)-omega-(1) phyloxy-1,2-ethanediy) 380843.06-1 2-Propenoic acid, 2-methyl-, netadecyl ester, polymer with 1,1-dichloroethene, 2-[((heptadecafluorodecyl-2-propenoute, N-(hydroxymethyl-2-propenoute, N-(hy | 88248-34-4 214002-95-6 176894-23-8 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,5,5,6,6,77,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-((2-methyl-1-oxo-2-propenyl)) | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 8 8 8 | 8 8 8 8 |
| 2-Propenoic acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 2-ethylhesyl-2-propenoute, 3,3,4,5,5,6,6,7,88,99,10,10,10-heptadecafluorodecyl-2-propenoute and allpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly(oxy(methyl-1,2-ethanediy) 380843.06-1 2-Propenoic acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 3,3,4,5,5,6,6,7,88,99,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-((2-methyl-1-oxo-2-propenyl)-omega-(1) phyloxy-1,2-ethanediy) 380843.06-1 2-Propenoic acid, 2-methyl-, netadecyl ester, telomer with 1-dodecanethiol, 3,3,4,5,5,6,6,7,88,99,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-((2-methyl-1-oxo-2-propenyl)-omega-(1) phyloxy-1,2-ethanediy) 380843.06-1 2-Propenoic acid, 2-methyl-, netadecyl ester, polymer with 1,1-dichloroethene, 2-[((heptadecafluorodecyl-2-propenoute, N-(hydroxymethyl-2-propenoute, N-(hy | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,77,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)] 2-Propenoic acid, 2-methyl-, methyl ester, polymer with eithenylbenzene, 2-[(heptadecafluorobcyt))sulfonyl]mino]ethyl 2-propenoate, 2-[methyl[(penadecafluorobcyt))sulfonyl]mino]ethyl | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 8 8 8 | 8 8 8 8 |
| 2-Propenoic acid, 2-methyl-, methyl ester, telomer with 1-dodecanethiol, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl) | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute, methyloxirane polymer with oxirane mono-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)], alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)], alpha- | Fluorinated (meth)acrylate polymers | 8 8 8 8 | 8 |
| 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2-[[(heptadecafluoroocty)sulfonyl]methylamino] ethyl 2-propenouite, 2-[methyl](nonafluorobutyl)sulfonyl]amino]ethyl 2-propenouite, 2-[methyl](pe Fluorinated (meth)acrylate polymers 4 8 112310-55-1 2-Propenoi acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, heneicosafluorododcyl 2-propenouite, heptadecafluorodcyl 2-propenouite, N-(hydroxymethyl)-2-propenanide, nonacosafluorotestradecyl 2-pro Fluorinated (meth)acrylate polymers 8 16 | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoute, methyloxirane polymer with oxirane mono-2-propenoute, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)], alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)], alpha- | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 4 8 | 8 |
| 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2-[[(heptadecafluoroocty)sulfonyl]methylamino] ethyl 2-propenouite, 2-[methyl](nonafluorobutyl)sulfonyl]amino]ethyl 2-propenouite, 2-[methyl](pe Fluorinated (meth)acrylate polymers 4 8 112310-55-1 2-Propenoi acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, heneicosafluorododcyl 2-propenouite, heptadecafluorodcyl 2-propenouite, N-(hydroxymethyl)-2-propenanide, nonacosafluorotestradecyl 2-pro Fluorinated (meth)acrylate polymers 8 16 | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6,7.7.8.8.9.9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6,7.7.8.8.9.9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate butyl ether, and 2-propenoic acid 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3.4.4.5.5.6.6,7.7.8.8.9.9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)] 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenythenzene, 2-[((Leptadecafluorodecyl-ylamino)ethyl 2-propenoate, 2-[methyl[(nonafluorobutyl)sulfonyl]maino]ethyl 2-propenoate, 2-[methyl-1-oxo-2-propenyl), methyl-met | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 8 8 | 8 |
| 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, hencicosafluorododecyl 2-propenoate, heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenoate and pentacosafluorotestradecyl 2-pr | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 321318-71-2 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 8 8 | 8 8 20 8 |
| 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, hencicosafluorododecyl 2-propenoate, heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenoate and pentacosafluorotestradecyl 2-pr | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 321318-71-2 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha-(2-methyl-1-oxo-2-propenyl)-omega-hydroxypoly[oxy(methyl-1,2-ethanediy)-alpha | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 4 8 8 | 8 8 20 8 |
| | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 321318-71-2 380843-06-1 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-meth | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 8 8 8 | 8 8 20 8 |
| | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 321318-71-2 380843-06-1 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-(12-methyl-1-oxo-2-propenyl)omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-meth | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 8 8 8 | 8 8 20 8 |
| 1/2178, 98.0 2-Propencia cicid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, heneicosafluorodocycyl 2-propenoate, Ny-flydroxymethyl-)2-propenanie, nonacosafluorodetradecyl 2-propenanie Pluorinatori (methacrystate nolymores 8 16 | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 321318-71-2 380843-06-1 70776-36-2 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-m | Fluorinated (meth)acrylate polymers | 8 8 8 4 8 8 8 8 | 8 8 20 8 8 |
| | 88248-34-4 214002-95-6 176894-23-8 71487-20-2 176741-19-8 221455-73-8 321318-71-2 380843-06-1 70776-36-2 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl-2-propenoate, methyloxirane polymer with oxirane mono-2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypolyloxy(methyl-1,2-ethanediyl), alpha-(2-methyl-1-oxo-2-propenyl)-omega-m | Fluorinated (meth)acrylate polymers | 8 8 8 8 4 8 8 8 8 | 8 8 20 8 8 |

| | | | , | |
|--|--|--|---|---|
| 142636-88-2 | 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 33.4.4.5.6.6.7.7.8.8.9.9.10,10,11,11,12,12,12-beneicosaftuorodobecyl 2-propenoate; 33.4.4.5.6.6.7.7.8.8.9.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.4.5.6.6.7.7.8.8.9.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.4.5.6.6.7.8.8.9.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.4.5.6.6.7.8.8.9.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.4.5.6.6.7.8.8.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.8.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.8.9.10,10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.8.9.10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.8.9.10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4.8.9.10,10-beptadecaftuorodecyl 2-propenoate and 3.3.4. | Fluorinated (meth)acrylate polymers | 8 | 12 |
| 221455-62-5 | 2-Propenoic acid, 2-methyl-, oxyranylmethyl ester, polymers with acrylic acid-glycidyl ph ether-TDI reaction product, gammaomegaperfluoro-CS-20-alityl acrylate and stearyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 88473-49-8 | 2-Propenoic acid, 2-methyl-, pentafluoroethyl ester, homopolymer | Fluorinated (meth)acrylate polymers | 1 | 2 |
| | | · · · · · · · · · · · · · · · · · · · | | |
| 142636-91-7 | 2-Propenoic acid, 2-methyl-, phenylmethyl ester, polymer with 1,1-dichloroethene, 3,3,4,4,5,6,6,7,7,8,9,9,10,10,11,11,12,12,12-heneicosafluoroododecyl 2-propenoate, 3,3,4,5,5,6,6,7,7,8,9,9,10,10,10-heptadecafluoroodecyl 2-propenoate, 2-hydroxyethyl | Fluorinated (meth)acrylate polymers | 8 | 12 |
| 1071022-26-8 | 2-Propenoic acid, 2-methyl-, polymer with 2-(diethylamino)ethyl 2-methyl-2-propenoate, 2-propenoic acid and 3,3,4,4,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate, acetate | Fluorinated (meth)acrylate polymers | 6 | 6 |
| 357924-15-3 | 2-Propenoic acid, 2-methyl-, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and 2-methyl-2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 200513-42-4 | 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 1223402-68-3 | 2-Propenoic acid, 2-methyls- polymers with 2-(dimethylamino)ethyl methacrylate, Me methacrylate, gamma - omega-perfluoro-C8-16-alkyl acrylate and vinylgyrrolidone, 2,2-(1,2-diazenelly)bis(2-methylpropanenitrile)-initiated, acetates | Fluorinated (meth)acrylate polymers | 8 | 16 |
| 304012-61-1 | 2-Propenoic acid, 2-methyl-, polymers with 2-ethylhexyl methacrylate.N-(hydroxymethyl)-2-propenamide and 2-[methyl](.gammaomega-perfluoro-C8-14-alkyl)sulfonyl]amino]ethyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| 127133-66-8 | 2-Propencic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-[methyl[(perfluoro-C4-8-alky)sulfonyl]amino]ethyl methacrylate | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 89004-77-3 | 2-Propenoic acid, 2-methyl-, undecafluoropentyl ester | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
| 119973-85-2 | 2-Propenoic acid, 2-perfluoroalkyl (C6,8,10,12,14)ethyl ester, polymer with octadecyl-2-propenoate, N-(hydroxymethyl)-2-propenamide and 2-propenoic acid, 2-methyl, 3-chloro-2-hydroxypropyl | Fluorinated (meth)acrylate polymers | 6 | 14 |
| 52591-27-2 | 2-Propencic acid, 3,3,4,5,5,6,6-nonafluorohexyl ester | poly/perfluorinated (METH)ACRYLATES | 4 | 4 |
| 370100-90-6 | 2-Propenoic acid, 3.3.4.4.5.5.6.6.7.7.8.8.4-ridecafluoroocty ester, polymer with alphu. (2-methyl-1-oxo-2-propenyl)- omegahydroxypoly(oxy-1.2-ethanediyl) and alphu. (1-oxo-2-propenyl)- omegahydroxypoly[oxy(methyl-1-2-ethanediyl)] | Fluorinated (meth)acrylate polymers | | |
| 3/0100-90-6 | 2-Propenie aid, 33,445,767,888-ritedamonyl estern proposal group and appropriate proposal group app | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 8 | 8 |
| 370873-97-5 | 2-ropenie au, 3,3,44,5,2,0,7,7,8,2-ruex.amonoxy; seer, poymer win methyloxinae polymer wind reclausely; 2-propenie au, 5,3,44,5,5,0,7,7,8,2-ruex.amonoxy; seer, poymer win methyloxinae polymer wind reclausely; 2-propenie au, 5,3,44,5,5,0,7,7,8,2-ruex.amonoxy; seer, poymer win methyloxinae polymer wind reclausely; 2-propenie au, 5,3,44,5,5,0,7,7,8,2-ruex.amonoxy; seer, poymer win methyloxinae polymer wind reclausely; 2-propenie au, 5,3,44,5,5,0,7,7,8,2-ruex.amonoxy; seer, poymer wind methyloxinae polymer wind reclausely; 2-propenie au, 5,3,44,5,5,0,7,7,8,2-ruex.amonoxy; seer, poymer wind methyloxinae polymer wind reclausely; 2-propenie au, 5,44,5,5,0,7,7,8,2-ruex.amonoxy; seer, poymer wind reclausely; 2-propenie au, 5,44,5,5,6,7,7,8,2-ruex.amonoxy; seer, poymer wind reclausely; 2-propenie au, 5,44,5,7,6,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7,7 | | 6 | |
| | | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 17527-29-6 241-527- | | poly/perfluorinated (METH)ACRYLATES | 6 | 6 |
| 15577-26-1 239-633- 31214-91-2 | 2-Propense and, 3,5,4,5,2,6,7,7,8,3,9,11,11,11,0-hexadeclaturor-9-(trifluoromethy)key) ester 2-Propense and, 3,5,4,5,2,6,7,7,8,9,11,11,11,0-hexadeclaturor-9-(trifluoromethy)key) ester, homopolymer 2-Propense and, 3,5,4,5,2,6,7,7,8,9,11,11,11,0-hexadeclaturor-9-(trifluoromethy)key) ester, homopolymer | poly/perfluorinated (METH)ACRYLATES | 9 | 9 |
| | | Fluorinated (meth)acrylate polymers | 9 | 9 |
| 27905-45-9 248-722- | | poly/perfluorinated (METH)ACRYLATES | 8 | 8 |
| 503621-80-5 | 2-Propensic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with alpha-(2-methyl-1-oxo-2-propenyl)- omega-hydroxypoly(xxy-1,2-ethandiyl), tert- Bu 2-ethylhexaneperoxoate-initiated | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 503621-81-6 | 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with alpha-(2-methyl-l-oxo-2-propenyl)-omega-hydroxypoly(oxy(methyl-l,2-ethandiyl)), tert- Bu 2-ethylhexaneperoxoate-initiated | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 503621-79-2 | 2-Propenoic acid, 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with alpha(2-methyl-1-axo-2-propenyl)-omegamethoxypoly(oxy-1,2-ethandiyl), di-Me 2,2-azobis[2-methylpropanoate]-initiated | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 503621-60-1 | 2-Propenoic acid, 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with alpha(2-methyl-1-oxo-2-propenyl)-omegamethoxypoly(oxy-1,2-ethandiyl), tert-Bu 2-ethylhexaneperoxoate-initiated | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 167229-03-0 | 2-Propenoic acid, 3,3,44,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl ester, polymer with 1-ethenyl-4-{(undecafluorobexenyl)oxy]benzene, graft | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 393582-46-2 | 2-Propenoic acid, 3,3,4,5,5,6,6,77,8,8,9,9,10,10,10-heptadecafluorodecyl ester, polymer with methyloxirane polymer with oxirane mono-2-propenoate, ter- Bu 2-ethylhexaneperoxoate-initiated | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 90718-04-0 | 2-Propenoic acid, 3,3,44,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl ester, polymer with octadecyl-2-pronenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 504395-90-8 | 2-Propenoic acid, 3,3,44,5,5,6,6,7,8,8,9,9,10,10,10-beptadecafluorodecyl ester, polymer with octahydro-4,7-methano-1H-indenyl 2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 118570-85-7 | 2-Propenoic acid, 3,3,4,4,5,6,6,7,7,8,8,9,1,0,1,0,10-heptadecafluorodecyl ester, polymer with rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2,2,1]hept-2-yl 2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 17741-60-5 241-732 | | poly/perfluorinated (METH)ACRYLATES | 10 | 10 |
| 116984-14-6 | 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10heptadecafluorodecyl 2-propenoate, a-(2-methyl-1-oxo-2-propenyl)-u-(2- | Fluorinated (meth)acrylate polymers | 8 | 16 |
| 142636-90-6 | 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-methyloxirane polymer with oxirane mono(2- | Fluorinated (meth)acrylate polymers | 8 | 12 |
| 115592-83-1 | | | | |
| | 2-Propenoic acid, 3,3,4,5,5,6,6,7,8,8,9,9,10,10,11,11,12,12,12-hencicosafluorododecyl ester, polymer with 3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecafluorodecyl-2-propenoate, hexadecyl-2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl-2-propenamide, octadecyl-2-pro | Fluorinated (meth)acrylate polymers | 6 | 12 |
| 110570-84-8 | 2-Propenoic acid, 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-benicosafluorododecyl ester, polymer with 3,3,4,5,5,6,6,7,7,8,8,9,9,10,10,10-beptadecafluorodecyl-2-propenoate, hexadecyl-2-propenoate, N-thydroxymethyl)-2-propenamide, octadecyl-2-propenoate, 3,3,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,12-benicosafluorododecyl ester, polymer with 3,3,4,5,5,6,6,7,7,8,8,9,10,10,10-beptadecafluorodecyl-2-propenoate, octadecyl 2-propenoate, 3,3,4,5,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,13,13,13,13,13,13,13,13,13,13,13, | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 6 | 12 |
| 110570-84-8 34395-24-9 251-992 | 2-Propenoic acid, 3.3.4.4.5.5.6.6.7,7.8.8.9.9.10.10.11.11.12.12.12-beneicosafluorododecyl ester, polymer with 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.10-beptadecafluorodocyl-2-propenoate, octadecyl 2-propenoate, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.12.12.13.13. | | 6 8 12 | |
| | 2-Propensic acid. 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.12-heneicosafluorododecyl ester, polymer with 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.10-heptadecafluorodecyl-2-propensate, octadecyl 2-propensate, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.12.12.13.13.14.14.14-pentacosafluorodecyl-ester | Fluorinated (meth)acrylate polymers | 8 12 14 | 10 |
| 34395-24-9 251-992- | 2-Propenoic acid, 3,3,44,5,5,66,77,8,8,9,9,10,10,11,11,12,12,12-beneicosafluorododecyl ester, polymer with 3,3,4,5,5,6,6,7,8,8,9,10,10,10-beptadecafluorodecyl-2-propenoaie, octadecyl 2-propenoaie, 3,3,4,5,5,6,6,7,8,8,9,10,10,11,12,12,13,13,14,14,14-pentacosafluoroderadecyl ester. | Fluorinated (meth)acrylate polymers poly/perfluorinated (METH)ACRYLATES | | 10 |
| 34395-24-9 251-992 34362-49-7 251-963 | 2-Propennic acid, 33,44.55,66.77,88.99,10,10,11,11,12,12,12-henicoxafluoroddecyl ester. polymer with 3,3,44.55,66.77,88.99,10,10,10-heptadecafluorodecyl-2-propenoute, octadecyl 2-propenoute, 3,3,44.55,66.77,88.99,10,10,11,11,12,12,13,13,14,14,14-pentacoxafluorotetradecyl ester 2-Propennic acid, 3,3,44.55,66.77,88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacoxafluorothexadecyl ester | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES | 14 | 10 12 14 |
| 34395-24-9 251-992- 34362-49-7 251-963- 65150-93-8 | 2-Propenoic acid, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-in-macosafluororetradecyl ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-in-macosafluororetradecyl ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-in-macosafluororetradecyl ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18-tritriacontafluoroctadecyl ester | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES | 14 | 10 12 14 16 |
| 34395-24-9 251-992- 34362-49-7 251-963- 65150-93-8 65104-64-5 | 2-Propenoic acid, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18-triniacontafluoroociacyj ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18-triniacontafluoroociacyj ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18-triniacontafluoroociacyj ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18-triniacontafluoroociacyj ester 2-Propenoic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20.20-heptatriacontafluoroociacyj ester | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES | 14 16 18 | 10 12 14 16 18 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94158-63-1 | 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9,10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19-tiproconal constraints of a circumstance of a circumstan | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRYLATES | 14 16 18 17 | 10 12 14 16 18 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94158-63-1 91615-22-4 | 2-Propenoic acid, 3.3.4.4.5.6.6.7.7.8.8.9.9.10.10.11.11.21.21.21.81.31.41.41.51.51.61.61.71.71.81.81.91.92.02.00.00.00.00.00.00.00.00.00.00.00.00 | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 | 10 12 14 16 18 17 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94158-63-1 91615-22-4 52956-82-8 | 2-Propensic acid, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.21.21.31.31.41.41.51.51.61.61.71.71.81.81.81.ritriacontalhuoroetudecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.71.81.81.81.ritriacontalhuoroetudecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.71.81.81.81.ritriacontalhuoroetudecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.71.81.81.81.91.02.02.02.0-beptatriacontalhuoroetudecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.7.7.8.8.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.71.81.81.81.91.02.02.02.0-beptatriacontalhuoroetudecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.7.7.8.8.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.71.81.81.81.91.02.02.02.0-beptatriacontalhuoroethyl)octadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.7.8.8.9.10.11.11.12.12.13.13.14.14.15.15.16.16.9-tax.osafluoro-17-(trifluoromethyl)octadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.9-tax.osafluoro-17-(trifluoromethyl)octadecyl ester 2-Propensic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.14.14.15.15.16.16.9-tax.osafluoro-17-(trifluoromethyl)octadecyl ester 2-Propensic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.14.14.15.15.16.16.9-tax.osafluoro-17-(trifluoromethyl)octadecyl ester 2-Propensic acid, 3.3.4.4.5.6.6.7.8.8.9.9.10.11.11.12.12.13.14.14.15.15.16.16.9-tax.osafluoro-17-(trifluoromethyl)octadecyl ester | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 | 10 12 14 16 18 17 15 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94158-63-1 91615-22-4 52956-82-8 57678-90-7 | 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monosulfuroredacyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monosulfuroredacyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monosulfuroredacyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monosulfuroredacyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.10.20.02.00-bropataticontaffuroredacyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.17.18.18.19.10.20.02.00-bropataticontaffuroredacyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-exaccosulfuror-17-(trifluroromethyl)octadecyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-exaccosulfuror-15-(trifluroromethyl)octadecyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.7.7.8.9.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-exaccosulfuror-15-(trifluroromethyl)octadecyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.7.8.9.9.9.10.11.11.12.12.13.14.14.14-teracosulfuror-15-(trifluroromethyl)octadecyl-ester 2-Propensic acid, 3.3.4.4.5.5.6.6.7.7.8.9.9.9.10.11.11.12.12.13.13.14.14.15.15.10.16.16.16-exaccosulfuror-15-(trifluroromethyl)octadecyl-ester | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 13 | 10 12 14 16 18 17 15 13 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94158-63-1 91615-22-4 52956-82-8 57678-90-7 52956-81-7 | 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19-tritriacontafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19-tritriacontafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dritriacontafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dritriacontafluoro-17-driffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,11,11,12,12,13,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,14,14,15,15,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,14,14,15,15,16,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.67.88.99,10,10,11,11,12,12,13,14,14,15,15,16,16,16,16-c-tacosafluoro-15-(triffluoromethyl)octadecyl ester 2-Propennic acid, 33,44.55.66.67.88.99,10,10,11,11,12,12,13,14,14, | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 13 | 10 12 14 16 18 17 15 13 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94188-63-1 91615-22-4 5296-82-8 57678-90-7 5295-681-7 1799-55-9 | 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,18.18.14.14.15.15.16.16.16-nonacosafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14.14.15.15.16.16.16-nonacosafluorotetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11,11,12,12,13,13,14.14.15.15.16.16.17.17.18.18.19-trinicontafluorocitacyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,13,14.14.15.15.16.16.17.17.18.18.19-19.20.20.20-bepturiacortalluorocitacyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,13,14.14.15.15.16.16.17.17.18.18.19.19.20.20.20-bepturiacortalluorocitacyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,13,14.14.15.15.16.16.17.18.18.19.19.20.20.20-bepturiacortalluorocitacyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,13,14.14.15.15.16.16.17.18.18.19.19.20.20.20-bepturiacortalluorocitacyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,13,14.14.15.16.16.16-catacorafluoro-15-(trifluoromethyl)tetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,14.14.14-tetracorfluoro-13-(trifluoromethyl)tetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,14.14.14-tetracorfluoro-13-(trifluoromethyl)tetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,14.14.14-tetracorfluoro-13-(trifluoromethyl)tetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,14.14.14-tetracorfluoro-13-(trifluoromethyl)tetradecyl ester 2-Propennic acid, 33,44.55.66.77.88.99,10,10,11.11,12,12,13,14.14.15.16.16.16.16.16.16.16.16.16.16.16.16.16. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 13 9 11 | 10 12 14 16 18 17 15 13 9 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-64-5 94158-63-1 91615-22-4 5296-82-8 57678-90-7 5296-81-7 1799-55-9 | 2-Propensic acid. 3.3.4.4.5.5.6.6.77.8.8.9.9.10.11.11.12.12.13.13.14.14.15.15.16.16.16-manosulturoroteradecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-manosulturoroteradecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.ritriacontulturorocetadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.ritriacontulturorocetadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.ritriacontulturorocetadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.77.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-catconsulturoro-17-ctrifluoromethyllocatdecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16.16-catconsulturor-15-ctrifluoromethyllocatdecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16.16-catconsulturor-15-ctrifluoromethyllocatdecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16.16-catconsulturor-15-ctrifluoromethyllocatdecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.13.14.14.15.16.16.16-catconsulturor-15-ctrifluoromethyllocatdecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.14.14.15.16.16.16-catconsulturor-15-ctrifluoromethyllocatdecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.13. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 13 9 11 7 | 10 12 14 16 18 17 15 13 9 11 7 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65101-64-5 94158-63-1 91615-22-4 5295-68-8 57678-90-7 5295-68-17 1799-55-9 61915-92-2 | 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-roancosaftwordodecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-roancosaftwordecudecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.10.10.10.10.10.10.10.10.10.10.10.10.10. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 13 9 11 7 | 10 12 14 16 18 17 15 13 9 11 7 4 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-64-5 94158-63-1 91615-22-4 52956-82-8 57678-90-7 52956-81-7 1799-55-9 61915-92-2 | 2-Propennie acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorobetradecyl ester 2-Propennie acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorobetradecyl ester 2-Propennie acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19-initaconafluorobetradecyl ester 2-Propennie acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,19-initaconafluorobetradecyl ester 2-Propennie acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-doriaconafluoro-17-driffuoromethyl)octadecyl ester 2-Propennie acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-doriaconafluoro-17-driffuoromethyl)octadecyl ester 2-Propennie acid, 3,3,4,5,5,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-catacosafluoro-15-(trifluoromethyl)octadecyl ester 2-Propennie acid, 3,3,4,5,5,6,7,8,8,9,10,10,11,11,12,12,13,14,14,15-tandecyl ester 2-Propennie acid, 3,3,4,5,5,6,7,8,9,9,10,10,11,11,12,12,13,14,14,15-tandecyl ester 2-Propennie acid, 3,3,4,5,5,6,7,8,9,9,10,10,11,11,12,12,13,14,14,15-tandecyl ester 2-Propennie acid, 3,3,4,5,5,6,7,7,8,9,9,10,10,11,11,12,12,13,14,14,15-tandecyl ester 2-Propennie acid, 3,3,4,4,5,5,6,7,7,4,6,8,9,9,0,10,11,11,12,12,13,14,14,15-tandecyl ester 2-Propennie acid, 3,3,4,4,5,5,6,7,7,4,6,8,9,9,9,entadecafluorocoxyl ester 2-Propennie acid, 3,3,4,4,5,6,6,7,4,6,8,9,9,9,entadecafluorocoxyl ester 2-Propennie acid, 3,3,4,5,5,6,7,7,4,6,8,9,9,9,entadecafluorocoxyl ester 2-Propennie acid, 3,3,4,5,5,6,6,7,4,6,8,9,9,9,entadecafluorocoxyl ester 2-Propennie acid, 3,3,4,5,5,6,6,7,4,6,8,9,9,9,entadecafluorocoxyl ester 2-Propennie acid, | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES Fluorinated (meth)acrylate polymers | 14 16 18 17 15 13 9 11 7 5 4 | 10 12 14 16 18 17 15 13 9 11 7 7 7 5 4 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65150-93-8 94158-63-1 94158-63-1 94615-22-4 52956-82-8 57678-90-7 52956-81-7 1799-55-9 61915-92-2 2-15-3 16083-78-6 | 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99,10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monoconfluorodecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99,10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monoconfluorodecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99,10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.19.10.20.02.02.00-nopensidecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.19.10.20.02.02.00-nopensidecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.10.20.02.02.00-nopensidecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-conconfluoro-17-(trifluoromethyl)ocadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-conconfluoro-15-(trifluoromethyl)ocadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.15.15.16.16.16-conconfluoro-15-(trifluoromethyl)ocadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.15.15.16.17.17.10.10.10.10.10.10.10.10.10.10.10.10.10. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 17 15 13 9 11 7 4 6 17 | 10 12 14 166 188 17 15 13 9 11 11 5 5 4 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-44-5 94158-65-1 94158-65-1 91615-22-4 5295-68-8 57678-90-7 5295-68-17 1799-55-9 61915-92-2 2-15-3 16083-87-7 | 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99,10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monoconfluorodecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99,10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-monoconfluorodecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99,10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.19.10.20.02.02.00-nopensidecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.77.18.18.19.19.10.20.02.02.00-nopensidecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.10.20.02.02.00-nopensidecyle ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-conconfluoro-17-(trifluoromethyl)ocadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-conconfluoro-15-(trifluoromethyl)ocadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.15.15.16.16.16-conconfluoro-15-(trifluoromethyl)ocadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.99.10.10.11.11.12.12.13.13.14.15.15.16.17.17.10.10.10.10.10.10.10.10.10.10.10.10.10. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 18 15 13 9 11 7 5 4 4 6 17 | 10 12 14 16 18 17 15 15 13 9 11 7 7 5 4 4 4 14 17 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-93-8 94158-63-1 94158-63-1 94158-63-1 794158-63-1 79556-82-8 57678-90-7 52956-81-7 1799-55-9 61915-92-2 2-15-3 16083-87-7 24407-09-8 246-231 58920-31-3 | 2-Propensic acid, 33,44,55,66,77,88,9,9,10,10,11,11,21,21,31,31,41,41,45,Enfo.Common acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-romacosalbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19;in/acconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19;in/acconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-dorizaconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dorizaconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dorizaconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dorizaconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dorizaconarbororbetadecyl ester 2-Propensic acid. 33,44,55,66,77,88,9,9,10,10,11,11,12,12,13,14,14,15,15,16,16,17,18,18,19,10,10,11,11,12,11,11,11,11,11,11,11,11,11,11, | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 18 15 13 9 11 7 5 4 4 6 17 | 10 12 14 16 18 17 15 15 13 9 11 17 7 5 4 4 14 |
| 34395-24-9 251-992 34462-49-7 251-963 65150-93-8 65100-64-5 94158-63-1 91615-22-4 52956-82-8 57678-90-7 52956-81-7 1799-55-9 61915-92-2 2-15-3 16083-78-6 16083-87-7 24407-09-8 246-231 | 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorobetradecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorobetradecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19-irriacontafluorobetradecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19-irriacontafluorobetradecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,19-irriacontafluorobetradecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,19-irriacontafluorobetryl)betadecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-ctacosafluoro-15-(trifluoromethyl)betadecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,14,14,15-tachetalmorobdecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,14,14,15-tachetalmorobdecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,14,14,15-tachetalmorobdecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,14,14,15-tachetalmorobdecyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,10,11,11,12,12,13,14,14,15,15,16,16,16-16-ctacosafluoro-15-(trifluoromethyl)deckyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,11,11,12,12,12,13,14,14,15,15,16,16,16-ctacosafluoro-19-trifluoromethyl)deckyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,11,11,12,12,13,14,14,15,15,16,16,16-16-ctachetalmoro-19-trifluoromethyl)deckyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,11,11,11,12,12,13,13,14,14,15,15,16,16,16-16-ctachetalmoro-19-trifluoromethyl)deckyl ester 2-Propensic acid, 33,44,55,66,77,88,99,10,11,11,11,12,12,13,13,14,14,15,15,16,16,16-16-ctachetalmoro-19-trifluoromethyl)deckyl ester 2-Propensic acid, 4,45,56,67,78,89,91,10,11,11,11,12,12,13,13,14,14,15,15,16,16,16-16-ctachetalmoro-19-trifluoromethyl)deckyl ester 2-Prope | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES | 14 16 18 18 15 13 9 11 7 5 4 4 6 17 | 10 12 14 16 18 17 15 15 13 9 11 17 7 5 4 4 14 |
| 34395-24-9 251-992 34302-49-7 251-903 65150-93-8 65105-93-8 94158-65-1 94158-65-1 94158-65-1 94158-65-1 94158-25-4 5295-68-8 57678-90-7 5295-68-7 1799-55-9 61915-92-2 2-15-3 16083-78-6 16083-78-6 16083-87-7 24407-09-8 246-231 1492-87-1 | 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.21.21.21.31.31.41.41.51.51.61.61.6-manconfluorotetradecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.31.31.41.41.51.51.61.61.6-manconfluorotetradecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.31.31.41.41.51.51.61.61.6-manconfluorotetradecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.31.31.41.41.51.51.61.61.71.71.81.81.81-fritriaconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.31.31.41.41.51.51.61.61.71.71.81.81.81-fritriaconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.31.31.41.41.51.51.61.61.71.71.81.81.81-fritriaconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.31.31.41.41.51.51.61.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.31.41.41.51.51.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.31.41.41.51.51.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.31.41.41.51.51.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.31.41.41.51.51.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.31.41.51.51.61.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.41.41.51.51.61.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.41.41.51.51.61.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.41.41.51.51.61.61.61-6-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.41.41.51.51.61.71.71.71-catconfluorotectadecyl ester 2-Propensic acid, 3.3.4.4.5.5.6.6.73.8.9.9.10.11.11.12.12.13.31.41.41.51.51.61.71.71.71-catconfluorotectadecyl | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES No.Bity perfluoronally alionamides (FASAs) N-sikyl perfluoronallyl salionamides (FASAs) N-sikyl perfluoronallyl salionamides (FASAs) | 14 16 18 17 15 13 9 11 7 5 4 6 17 13 8 4 4 | 10 10 12 14 16 18 17 7 15 13 9 11 7 5 4 4 17 17 13 9 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-64-5 94158-63-1 91615-22-4 52956-82-8 57678-90-7 52956-81-7 1799-55-9 61915-92-2 2-15-3 16083-78-6 16083-87-7 24407-09-8 246-231- 58920-31-3 1492-87-1 68227-97-4 68227-98-5 | 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-monoconfluorodecyle ster 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-monoconfluorodecyle ster 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19;in/20,20,20-bropatria/confluorocics/yle ster 2-Propensic acid, 3,3,4,5,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19;in/20,20,20-bropatria/confluorocics/yle ster 2-Propensic acid, 3,3,4,5,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,19;in/20,20,20-bropatria/confluorocics/yle ster 2-Propensic acid, 3,3,4,5,5,6,6,7,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,19;in/20,20,20-bropatria/confluorocics/yle ster 2-Propensic acid, 3,3,4,5,5,6,7,7,8,9,9,10,10,11,11,12,13,13,14,14,15,15,16,16,16,16,16,16,16,16,16,16,16,16,16, | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES polyperfluorina | 14 16 18 17 15 13 9 11 7 5 4 6 17 13 9 8 4 7 | 10 12 14 16 18 17 15 13 9 11 17 7 5 5 4 4 14 17 17 13 9 9 9 9 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65104-64-5 94158-63-1 94615-22-4 5295-68-28 57678-90-7 52956-81-7 1799-55-9 61915-92-2 2-15-3 16083-78-6 16083-78-7 24407-99-8 246-231 492-28-7 492- | 2-Propensic acid. 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-manaconfluoroteradecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-manaconfluoroteradecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-manaconfluoroteradecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18.19.19.20.02.00-beptatraiconfluorocerosyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.18.19.19.20.02.00-beptatraiconfluorocerosyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.16-octaconfluoro-17-driffluoromethyllocadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16.16-octaconfluoro-17-driffluoromethyllocadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16-octaconfluoro-19-driffluoromethyllocadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16-octaconfluoro-19-driffluoromethyllocadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16-octaconfluoro-19-driffluoromethyllocadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.16.16.16-octaconfluoro-19-driffluoromethyllocadecyl ester 2-Propensic acid. 3.3.4.4.5.5.6.6.73.8.9.9.10.10.11.11.12.12.13.13.14.15.15.15.15.15.15.15.15.15.15.15.15.15. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES Nolkyl perfluorinated (METH)ACRYLATES Nolkyl perf | 14 16 18 17 15 13 9 11 7 5 4 6 17 13 9 8 4 7 | 100 12 14 16 18 8 18 17 15 15 14 14 14 14 13 13 9 8 8 4 4 7 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-64-5 94158-65-1 94158-65-1 94158-65-1 94158-65-1 19615-22-4 5295-68-8 57678-90-7 5295-68-7 1799-55-9 61915-92-2 2-15-3 16083-87-7 2-4407-09-8 246-231 58920-31-3 1492-87-1 68227-97-4 68227-98-5 68227-99-6 2-62-4 | 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-manconfluoroteradecyl ester 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-manconfluoroteradecyl ester 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-manconfluoroteradecyl ester 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20,40-pertaleconfluorotecyl ester 2-Propensic acid, 3,3,4,4,5,5,6,7,7,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20,40-pertaleconfluorotecyl ester 2-Propensic acid, 3,3,4,4,5,5,6,7,7,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-extaconfluoro-15-(trifluoromethyl)octadecyl ester 2-Propensic acid, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,11,11,12,12,13,14,14,15,15,16,17,18,18,19,19,10,10,10,10,10,10,10,10,10,10,10,10,10, | Fluorinated (meth)acrylate playmers polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRY | 14 16 18 17 15 13 9 11 7 5 4 6 17 13 9 8 4 7 | 10 12 14 16 18 17 15 13 13 19 11 17 7 5 4 4 14 17 13 9 8 8 4 7 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 65150-93-8 94158-65-1 94158-65-1 94158-65-1 94158-65-1 71799-55-9 61915-92-2 2-15-3 16033-87-6 16033-87-7 24407-09-8 246-231-3 1492-87-1 68227-97-4 68227-99-5 68227-99-6 | 2-Properaic acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.21.8.10.14.14.pentacosafluorodocyl ester 2-Properaic acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.31.31.41.4.14.pentacosafluorotestackeyl ester 2-Properaic acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.31.31.41.4.15.15.16.16.16.monacosafluorotestackeyl ester 2-Properaic acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.31.31.41.4.15.15.16.16.16.71.71.81.81.8 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.31.31.41.4.15.15.16.16.17.71.81.81.8 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.31.31.41.4.15.15.16.16.17.71.81.81.81.9 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.10.11.11.21.21.31.31.41.4.15.15.16.16.17.71.81.81.81.9 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.11.11.12.21.31.31.41.4.15.15.16.16.17.71.81.81.81.9 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.11.11.12.21.31.31.41.4.15.15.16.16.17.71.81.81.81.9 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.11.11.12.21.31.31.41.4.15.15.16.16.17.71.81.81.81.9 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.11.11.12.21.31.31.41.4.15.15.16.16.17.71.81.81.81.9 retrinscentations occurs acid. 3.3.4.5.5.66.77.88.9.9.10.11.11.12.21.31.31.41.4.14.eteracosafluoro-13-trifluoromethylitestackeyl ester 2-Properaic acid. 3.3.4.5.5.66.77.88.9.9.10.11.11.12.21.31.31.41.4.14.eteracosafluoro-13-trifluoromethylitestackeyl ester 2-Properaic acid. 3.3.4.4.5.5.66.77.88.9.9.9.10.11.11.12.21.31.31.41.4.15.61.61.65.65.67.88.99.10.11.11.12.21.31.31.41.4.15.61.61.65.65.67.88.99.10.11.11.12.21.31.31.41.4.15.61.61.65.65.67.88.99.10.11.11.12.21.31.31.41.4.15.61.61.65.65.67.88.99.10.11.11.12.21.31.31.41.4.15.51.61.67.71.67.67.67.67.67.67.67.67.67.67.67.67.67. | Fluorinated (meth)acrylate polymers polyperfluorinated (METH)ACRYLATES Nolkyl perfluorinated (METH)ACRYLATES Nolkyl perf | 14 16 18 17 15 13 9 11 7 5 4 6 17 13 8 4 7 6 5 4 7 4 7 | 100 122 144 165 165 165 165 165 165 165 165 165 175 175 175 175 175 175 175 175 175 17 |
| 34395-24-9 251-992 34362-49-7 251-963 65150-93-8 6510-64-5 94158-65-1 94158-65-1 94158-65-1 94158-65-1 19615-22-4 5295-68-8 57678-90-7 5295-68-7 1799-55-9 61915-92-2 2-15-3 16083-87-7 2-4407-09-8 246-231 58920-31-3 1492-87-1 68227-97-4 68227-98-5 68227-99-6 2-62-4 | 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-manconfluoroteradecyl ester 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-manconfluoroteradecyl ester 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-manconfluoroteradecyl ester 2-Propensic acid, 3,3,4,4,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20,40-pertaleconfluorotecyl ester 2-Propensic acid, 3,3,4,4,5,5,6,7,7,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20,40-pertaleconfluorotecyl ester 2-Propensic acid, 3,3,4,4,5,5,6,7,7,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-extaconfluoro-15-(trifluoromethyl)octadecyl ester 2-Propensic acid, 3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,11,11,12,12,13,14,14,15,15,16,17,18,18,19,19,10,10,10,10,10,10,10,10,10,10,10,10,10, | Fluorinated (meth)acrylate playmers polyperfluorinated (METH)ACRYLATES polyperfluorinated (METH)ACRY | 14 16 18 17 15 13 9 11 7 5 4 6 17 13 8 4 7 5 4 7 13 8 4 7 7 | 100 122 144 166 188 187 177 15 15 15 14 14 144 147 13 13 9 9 14 177 15 15 15 15 15 15 15 15 15 15 15 15 15 |

| | 306978-04-1 | | 2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride | Fluorinated (meth)acrylate polymers | 4 | 8 |
|---|---|----------------|--|--|-----|-------------|
| Properties of Continues processing of the continues of | 162568-17-4 | ı | 2-Propenoic acid, butyl ester, reaction product with poly(oxy-1,2-ethanediy1), .alpha-methyl-omega-hydroxy-, and N-ethyl-N-2-hydroxyethyl perfluoroctane sulfonamide | Fluorinated (meth)acrylate polymers | 8 | 8 |
| Properties of Continues processing of the continues of | | | | | | |
| March Marc | | - | | | 4 | - 8 |
| | | 1 | | | | - |
| March of the foliation of the content of the cont | | - | | | 1 | 20 |
| | | 1 | | | 8 | - 8 |
| | | | | | | 14 |
| | 144031-01-6 | i | 2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and. gammaomega-perfluoro-C8-14-alkyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 14 |
| | 69220 56 6 | | 2. Proposois acid eigosal ester notumer with 2. If then takes throughout his proposon to the control of the con | Elucrinated (meth)usculate polymers | 4 | |
| | 0032) 30 0 | | | I normated (metayate) portation | - | |
| | 68909-15-9 | | 2-Propenoic acid, eicosyl ester, polymers with branched octyl acrylate, 2-methyll(heptadecafluorooctyl)sulfonyl]methylamino[ethyl acrylate, 2-[methyll(nonafluorobutyl)sulfonyl]amino[ethyl acrylate, 2-[methyll(pentadecafluoroheptyl)sulfonyl]amino[ethyl acrylate, 2-[methyll(pentadecafluoroheptyl)sulfonyl]amino[ethyll(pentadecafluoroheptyl)sulfonyl]amino[ethyll(pentadecafluoroheptyl | Fluorinated (meth)acrylate polymers | 4 | 8 |
| | co220 00 2 | | Description of the large subscription of the | man to the death of the death o | | |
| Material Analysis | | - | | | 4 | - 8 |
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| Process Proc | 00000 07 0 | - | | | | |
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| Section Sect | | | | | 6 | |
| Marcian Marc | | | | Fluorinated (meth)acrylate polymers | 6 | 22 |
| | 393582-59-7 | | 2-Propenoic acid, octahydro-4,7-methano-1H-indenyl ester, polymers with .gamma - omega-perfluoro-C6-22-alkyl acrylate and polyethylene glycol methacrylate Me ether, di-Me 2,2'-azobis[2-methylpropanoate]-initiated | Fluorinated (meth)acrylate polymers | 6 | 22 |
| | 85681-64-7 | 1 | The control of the co | poly/perfluorinated (METH)ACRYLATES | 8 | 16 |
| | 68541-80-0 |) | 2-Propenoic acid, polymer with 2-{erthyl (heptadecafluorooctyl)sulfonyl amino ethyl 2-methyl-2-propenoate and octadecyl 2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| | 1264198-78-8 | | | Fluorinated (meth)acrylate polymers | 8 | 14 |
| | 524729-93-9 | | 2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, y,o-perfluoroally/IC8-14) esters, potassium salts, tert-Bu-benzene carboperoxoate initiated | Fluorinated (meth)acrylate polymers | 8 | 14 |
| | 350672-20-7 | | 2-Propenoic acid, polymer with butyl-2-propenoate, 2-hydroxyethyl 2-propenoate and 3,3,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl-2-propenoate, compd. with 2-(dimethylamino)ethanol | Fluorinated (meth)acrylate polymers | 6 | 6 |
| | 350672-19-4 | ı | 2-Propenoic acid, polymer with butyl-2-propenoate, 2-propenoic acid, 2-hydroxyethyl ester and 3.3.4.4.5,5.6.6.7.7.8.8.8-tridecafluorooctyl-2-propenoate | Fluorinated (meth)acrylate polymers | 6 | 6 |
| | | | | | | |
| | | | | Fluorinated (meth)acrylate polymers | 8 | 16 |
| | 212335-64-3 | | | Fluorinated (meth)acrylate polymers | 4 | 4 |
| | 671756-62-0 |) | 2-Propenoic acid, δ-ω-perfluoro-C9-15-alkyl esters | poly/perfluorinated (METH)ACRYLATES | 9 | 15 |
| 1916 1 | 96383-55-0 | 801-260-5 | 2-Propeonic acid, 3,3,4,4,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-chloropropenoic acid ester | poly/perfluorinated (METH)ACRYLATES | 6 | 6 |
| Properties of ELECTION STATE | 479074-93-6 | i | 2-Propeonic acid, 3,3,4,5,5,6,6,7,8,8.8-tridecafluorooctyl-, polymer with 2-methyloxirane, polymer with oxirane bis(2methyl2propenoute) and 2-methyloxirane polymer with oxirane mono(2methyl-2-propenoute) | Fluorinated (meth)acrylate polymers | 6 | 6 |
| | 113150-11-1 | | 2-Propeonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl-, polymer with 2-methyl-2[(10xo2propenyl)amino]-1-propanesulfonic acid and 2,2,2-trifluoroethyl-2-propenoate | Fluorinated (meth)acrylate polymers | 8 | 8 |
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| \$75,000 7, | | ' | | | 8 | - 8 |
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| 1995 | | 1 | | | | |
| 1985 | | i | | | | |
| 1998 | ,, | | | | | 10 |
| 9779-05 | 94159-83-8 | <u> </u> | | poly/perfluorinated ALKOHOLS | 11 | 11 |
| | 94159-86-1 | | | 1-21 | 8 | 8 |
| 54 59-6 | 93776-02-4 | · I | | poly/perfluorinated ALKOHOLS | 8 | 8 |
| | 93776-05-7 | 1 | 2-Undecanol, 1,1'{oxybis{(1-methyl-2,1-ethanediyl)oxy]}bis{4.4.5.5.6.6,7.7.8,8.9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- | poly/perfluorinated ALKOHOLS | 9 | 9 |
| 94158-6.5 | 94159-81-6 | 5 | 2-Undecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11.11-heptadecafluoro- | poly/perfluorinated ALKOHOLS | 8 | 8 |
| 91158-62 2.108cccccit 1.722 c 2.108cccccccit 1.722 c 2.108cccccccit 1.722 c 2.108cccccccccit 1.722 c 2.108cccccccccccccccccccccccccccccccccccc | 73353-26-1 | | 2-Undecanol, 1-[[3-(dimethylamino)propyl]amino)-4.4.5.5.6.6.7.7.8.8.9.9.10.11.11.11-hexadecafluoro-10-(trifluoromethyl)- | poly/perfluorinated ALKOHOLS | 9 | 9 |
| 1919-92 2 Nakeamak 4.45.56.677.88.99.10.11.11.11.beakeachuluwo-1-phemory | 94158-61-9 | | 2-Undecanol, 1-[2-(2-butoxyethoxy)ethoxy]-4.4.5.5.6,6.7.7.8.8,9.9.10.10.11.1.1.1-heptadecafluoro- | poly/perfluorinated ALKOHOLS | 8 | 8 |
| 9119929 Stakescark 44,55,56,77,88,99,01,111,111 Asecades (large on physics) 9 9 9 9 9 9 9 9 9 | 94158-62-0 | | 2-Undecanol, 1-[2-(2-butoxyethoxy)-4.4.5.5.6,6.7.7.8.8,9.9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- | poly/perfluorinated ALKOHOLS | 9 | 9 |
| 9119992 | 94159-91-8 | | 2-Undecanol, 4.4.5.5.6.6.7.7.8.8.9.9.10,10,11,11.1-heptadecafluoro-1-phenoxy- | poly/perfluorinated ALKOHOLS | 8 | 8 |
| Prilogonality silfoamides (PASA) Prilogonality | 94159-92-9 | | | poly/perfluorinated ALKOHOLS | 9 | 9 |
| | | | | | | |
| 701909-41.3 3.3.4.5.5.6.6.6 Nomalhoro-hexar-1-yl 2-khornacytate | | 407-810-7 | propionate | Perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 701909-41.3 3.3.4.5.5.6.6.6 Nomalhoro-hexar-1-yl 2-khornacytate | 477529-30-9 | J | 3-frimethoxysily)propyl 2-methyl-2-tropenoate polymer with 3.3,4.4.5.5,6.6.77.88,9.9.10.10.11,11.12.12.12-beneicosafluorododecyl -2-tropenoate . 3.3.4.4.5.5.6.6.77.88,9.9.10.10.10-bentadecafluorodecyl, 2-propenoate and orbidovyl 2-propenoate | poly/perfluorinated POLYMERS | 8 | 10 |
| 402-910-7 3.3.4.4.5.5.6.6.7.7.8.8.4-irdecaflurorocyll 3-dibutylaminopropiomae 402-910-7 3.3.4.4.5.5.6.6.7.7.8.8.4-irdecaflurorocyll-3-dibutylaminopropiomae 402-910-7 402-910- | | | | | 4 | 4 |
| 201426-92-6 3.5 Diamino NN-I perfluoropropane-2.2-diythis(6-hydroxy-3.1 pleanylene) dibenzamide 3.5 Diamino NN-I perfluoropropany-alliane 3.5 Diamino NN | /01909-41-3 | 402 010 7 | | | - 4 | - 6 |
| 441-190-9 3-5-dichloro-2-fluoro-4-(1,1,2,3,3-hexalfuoropropoxy)amiline | 220426.02.0 | +02-710-7 | 33 3 33 33 34 34 34 34 34 34 34 34 34 34 | · · · · · | 2 | 2 |
| 13252-158 3.6.9.12.15-Pentauxaucandexanoyl fluoride, 2.4.4.5.77.8,10.10,11.13,13.14.16.16.17.17.18.18-lecosafluoro-2.5.8,11.14-pentakix(irifluoromethyl)- polyperfluorinated ETHERS 3 3 3 3 3 3 3 3 3 | 220420-92-0 | 441 100 0 | | | , | |
| 26738-51-2 36,912-Tetraoxapentadecane, 1,1,2,4,4,5,7,78,10,10,11,13,13,14,14,15,15-eiosafluoro-5,8,11-tris(trifluoromethyl)- 34761-47-2 36,912-Tetraoxapentadecane, 1,1,2,4,4,5,7,78,10,10,11,13,13,14,14,15,15-eiosafluoro-5,8,11-tris(trifluoromethyl)- 96288-56-1 37,-Decadime, 1,11,3,45,5,6,6,6,78,10,10,11,23,13,14,14,15,15-feyadecafluoro-2,29,9-tertakis(trifluoromethyl)- 104267-74-5 3P ₂ CMMethyl-Neptadecafluoro-2,29,9-tertakis(trifluoromethyl)- 104367-74-5 3P ₂ CMMethyl-Neptadecafluoro-2,29,9-tertakis(trifluoromethyl-1,3-phenylendicarbamate 104367-74-5 3P ₂ CMMethyl-Neptadecafluoro-2,20,9-tertakis(trifluoromethyl-1,3-phenylendicarbamate 104367-74-5 3P ₂ CMMethyl-Neptadecafluoro-2,20,9-tertakis(trifluoromethyl-1,3-phenylendicarbamate 104367-74-5 3P ₂ CMMethyl-Neptadecafluoro- | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 441-190-9 | | | | |
| 3476147.2 3.6.9.1.2.Tetraoxpertadecaroly fluoride, 2.4.4.5.7.7.8.1.0.10.1.1.3.1.3.1.4.1.4.1.5.1.5.1.5.beptadecalluoro-2.5.8.1.1.etrakistrifluoromethyl- | | } | | | 3 | 3 |
| 96288-56 3.7-Decadine, 1.1.1.3,4.5.5,6.6,7.8.10,10,10,tetradecalhuro-2,2.99-tetralsit/trifluromethyl)- 14 14 10267-74-5 3.1-2.N Methyl-N-leptadecalhurocoxylsulfonylaminopethyl-1-2-(N-groppl-A-hiptadecalhurocoxylsul | | 1 | | T. V.T. | 2 | 3 |
| 104267.74 \$ 342.WMethyl-N-leptadecafluorooxylsaifonylamino)erbyll-1-12.Vi-proppl-N-hetpadecafluorooxylsa | | 1 | The control of the co | | 3 | 3 |
| 16336-10-7 3-N-13-(N-[13-perfluoranikyl(C9-15)-2-hydroxypropyl]lamino]propyl-N-Mimethylamanonio]propinate | | 1 | | | | 14 |
| 348137-348 3-Cyclobexene-1-carboxylic acid, 6-[de-2-propenylamino/carboxyl]-(1R,6R)-rel-, reaction products with pentalluroriodoethane tetrafluoroethylene telomer polyperfluorinated POLYMERS 2 2 5912-87-2 259-39.9 3-Heptero-2-de-diod, 1,1,1,77.7-headfluoro-2-g-(higinfluoromethyl)- 3 3 813-5-6 3-Heptero-2-de-diod, 1,1,1,2,7.4-5.5,6.6-do-undecafluoro-2-(trifluoromethyl)- 5 5 9544-5-48 3Heptinora-3-(hemboxypropay) propamoia cidl, ammonium salt polyperfluorinated THERS 1 3 6189-00 3-Pentanol, 1,1,1,2,4,4,5,5,-6.de-afluoro-3-(pentalluroredly)- (SWISS) polyperfluorinated ALKOHOLS 7 7 | | 1 | | | | 8 |
| September Sept | | | | | 9 | 15 |
| Si3456 | 348137-34-8 | <u> </u> | | poly/perfluorinated POLYMERS | 2 | 2 |
| 9544-54-8 3H-perflueor-3-(G-methoxypropoxy) propanois acid], amnonium salt polyiperfluorinated ETHERS 1 3 6189-00-0 3-Pentanol, 1,1,1,2,2,4,5,5-decafluoro-3-(pentafluoroethyl)- (SWISS) polyiperfluorinated ALKOHOLS 7 7 | 54912-87-7 | 259-392-9 | 3-Heptene-2,6-diol, 1,1,1,7,7-bexafluoro-2,6-bis(trifluoromethyl)- | poly/perfluorinated ALKOHOLS | 3 | 3 |
| 6189-00-0 3-Pentanol, 1,1,1,2,2,4,5.5-decafluoro-3-(pentalfuoroethyl)- (SWISS) polyperfluorinated ALKOHOLS 7 7 | 813-45-6 | | 3-Hicxanone, 1.1,1,2.44,5.5,6,6-undecafluoro-2-(trifluoromethyl)- | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
| | 958445-44-8 | | 3H-perfluoro-3-((3-methoxypropoxy) propanoic acid), ammonium salt | poly/perfluorinated ETHERS | 1 | 3 |
| | 6189-00-0 | | 3-Pentanol, 1,1,1,2,2,4,5,5,5-decafluoro-3-(pentafluoroethyl)- (SWISS) | poly/perfluorinated ALKOHOLS | 7 | 7 |
| | |) | | poly/perfluorinated ALKOHOLS | 6 | 6 |

| | | Dr. Hartings a | | | 1 |
|--|---|--|--|----|-----|
| March | 684-32-2 | 3-Pentanone, 11.1,2.2,44.5.5.5-decafluoro- | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| Amount Control Contr | | | | 5 | |
| Pate | | | | 6 | 6 |
| | | | I - 2/I | 3 | 5 |
| | | | | 6 | 6 |
| | 288579-85-1 | (| poly/perfluorinated ESTERS | 4 | 4 |
| | 191877-09-5 426-860-0 | AND 2.4.6-TRIFLUORO-1,3.5-TRIAZINE, SODIUM SALTS | poly/perfluorinated POLYMERS | | |
| Statistics | 101896-21-3 | 4.6-Dioxa-3.7-diaza-5-phosphanonane-1.9-diol, 3.7-bis(2-hydroxyethyl)-5-[(3.3.4.4,5.5.6.6.7.7.8.8.9.9,10,10,11,11,11-nonadecafluoroundecyl)oxy]-, 5-oxide | poly/perfluorinated PHOSPHOORGANICS | 7 | 7 |
| Statistics | | | | | |
| March Ministry March Ministry Mini | | | | 9 | 9 |
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| 1.1. | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | A CONTRACTOR OF THE CONTRACTOR | | | |
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| District Content Con | | | | 8 | 8 |
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| | | | 1.21 | 6 | 6 |
| Scientified Scientified Sc | | 1.7 | | 6 | 6 |
| | | a strain transfer of modify t | 1.21 | 6 | 6 |
| | 1345817-52-8 | 1.7 | | | 1 |
| | | | | | |
| 1986 | | | I - 2 I | | |
| 1007000 1007000 | 220237-52-5 | | poly/perfluorinated ESTERS | 12 | 12 |
| | 185630-90-4 | 9-Octadecenoic acid (Z)-, reaction products with N-ethyl-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-1-octanesulfonamide | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| | 403-050-5 | A 3:1 mixture of: perfluoro(5,8,9,12-tetramethyl-4,7,10,13-tetraoxahexadecane); perfluoro(5,6,9,12-tetramethyl-4,7,10,13-tetraoxahexadecane) | poly/perfluorinated ETHERS | 1 | 3 |
| | 422 180 6 | A mixture of 1 // 10 / 10 / 10 / 10 / 10 / 10 / 10 | and the second and a policy of the second and a second an | | |
| 1975-56 | 1.20.700.0 | | 1.24 | 2 | 4 |
| Section Sect | | | | | 4 |
| 1985 Section | | | | | |
| 79.93.5 Am and hell genem. compary performed 5. Sulphishindours, some with an administration of the performance of the perf | | | | | |
| 1962-29 Americal Molg jamm-range porthone-CE-08-04/90lated draws. More mines American Molg jamm-range porthone-CE-08-04/90lated draws. More mines American Molg jamm-range porthone-CE-08-04/90lated draws. Molg mines American Molg jamm-range porthone-CE-08-04/90lated draws. Molg jamm-range porthone-CE-08-04/90lated draws | | | | 8 | 20 |
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| | 72023 70 2 | | | 8 | 1-7 |
| Activity Col. No. Inc., preparation compage profession compage p | | | 1.21 | 4 | |
| 95.14 dal 9 Aboble CD2, No. comp. perflower some purples was in bal, 7.5 strategles of 13 became and 15 strategies of 15 became perflower may be from teasing parties with bal, 7.5 strategles and parties of 15 cm. 7 p. 1979-1944 Aboble CD2, No. comp. perflower some parties with bal, 7.5 strategles only 14 p. 1949-1949 3 7 977-914 bit 1 Aboble CD2, Sear, comp. perflower some parties with ball of 15 cm. 1949-1949-1949-1949-1949-1949-1949-1949 | | | | - | |
| Models CT2, Inst. compg. perflows -mage planty resistin private with \$44,77; enterlay/control plant (1)-from the private of the control plant (1)-from the private of | | | | 3 | |
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| 1995.95.7.1 Alcoho, CS-14, Junuarmaga. perfluore, modelly compositional (Alcoho), CS-14, Junuarmaga. perfluore, modelly compositional and perfluore) perfluore modelly compositional (Alcoho), CS-14, Junuarmaga. perfluore, modelly compositional and perfluore) perfluore modelly compositional and perfluored perfluores. Junuar perfluores with perfluored perfluores with perfluored perfluores with perfluored perfluored perfluores. Junuar perfluores with perfluored perfluored perfluored perfluores perfluores. Alcoholo, CS-14, Junuarmaga. perfluores with perfluored perfluored perfluores with perfluored perfluored perfluores with perfluored perfluored perfluores with perfluored perfluores perfluores. Alcoholo, CS-14, Junuarmaga. perfluores with perfluored | | | I - 2 I | | - |
| 6891-03-2 99-978 Abobak CS-14, gamas. omega. perfluron polymers with 1.3-batamedist, 1.3-discyspantomely plants with 1.3-batamedist, 1.3-discyspants with 1.3-batamedist, 1.3-discyspants with 1.3-batamedist, 1.3-discyspants with 1.3-batamedist, 1.3-discyspants with 1 | | | | | |
| 374551-53-53 Alcobid, C514, gammamergaperflumor, polymers with 1.3-batamedial, 13-discoyanatemethylbenome and 2 ethyl-2 Opdomynomylip1/13 prepanded Phorisand unchanses polymers Phorisand Unchanses Phori | | | I - 2 I | 8 | |
| 9785-16 Acoba, CE-14, gammanonegaperfluoro, raction products with 5.5° carbony/liei(1.2 biochemofundoral) and peinhonoply indudentoral diamble Barinated urchanse polymers 8 14 1810; 2-75 Acoba, CE-14, gammanonegaperfluoro, raction products with epichloroplytin, pelperfluore gloval monomentyl ether and NAZ-4ris/i-to-cyanushocyty) indudentoral diamble Barinated urchanse polymers 8 14 1810; 3-75 Acoba, CE-14, gammanonegaperfluoro, nonegaperfluoro, n | | | | 8 | |
| 1810.257 Alcobals, CS-14, gammaomega, perfluore, neaction products with epichforohydria, polyephor and NN2 eris(6-iosyyanathenyl) imidodicarbonic diamide Ruorinated urchanes polymers S 14 | | | | - | 1 |
| 18102.88 Akchok, CK-14, gamma-omega-perfluoro, reaction products with epichlorohydrian homopolymer and NN-2 dris(6-iouxyanunbexylimidsdicurbonic diamide) Fluorinated uredunes polymers with educator—p21(C-methyl-1-co-2prepary) boy/felhy/diffuoromethylence), interhalpanic quantum (methacy) players Fluorinated (| | | | 8 | |
| 37636-339 Alcohols, C3-14, y-s-perfluoro, polymers with a-fluoro-spl2-{2-methyl-1-one-2-propary)twy/plnyl/plnyl/fall/unomethylene), methanol, stearyl acrylate, stearyl methacrylate, 2,4-TDI and vinyl daloride (AICS) Alcohols, C3-14, y-s-perfluoror, seation products with epichlorohydrin and propylene coide, trimethylamine-quaternized (AICS) Alcohols, C3-14, y-s-perfluoror, seation products with epichlorohydrin and propylene coide, trimethylamine-quaternized (AICS) Alcohols, C3-14, y-s-perfluoror, sulforiac ed, ammonium sulfs Alkanes, C4-10, perfluoror, sulforiac ed, ammonium sulfs 4 20 | | | | 8 | |
| 18507-00 Alcohok, C8-14, y-op-erfluoro, reaction products with epichbrohydrin and propylene oxide, trimethylamine-quaternized (AICS) Alknes, C9-10, perfluoro, salionic acid, ammonium salts Alknes, C9-10, perfluoro, salionic acid, ammonium salts Alknes, C9-10, perfluoro, salionic acid, ammonium salts Alknes, C8-10 alpha, a, gamma-comega-perfluoro Alknes, C8-10 alpha, a, gamma-comega-perfluoro Alknes, C8-14 alph | | | | 8 | |
| Alkanes, C9-10, perfluoro, sulfonic acid, ammonium salts polyperfluorinated SLIFONIC SCIIFNIC ACIDS 9 10 | | | | 6 | |
| 6815-044 | 185630-70-0 | | | 8 | |
| 210432-72-7 Alkenes, C8-14 alpha_gamma-omega-perfluoro | | | 1.21 | | |
| 97659-47.7 377-45.2 Alkenes, C8-14 alpha-gamma-omega-perfluoro- 6830-3.2 Alky indides, C10-12, gamma-omega-perfluoro- 6830-3.2 Alky indides, C10-13, gamma-omega-perfluoro- 6830-3.2 Alky indides, C10-12, gamma-o | 00155 04 4 | | | 4 | 20 |
| Alkyliodides, CI-0-12, gamma-omega-perfluoro- | | | 1.21 | 8 | |
| 6839-32-9 Alkyl iodides, C14-18, gamma-omega-perfluoro- 14 18 6818-12-5 Alkyl iodides, C24-19, gamma-omega-perfluoro- 4 20 90622-71-2 22-24-24 Akly iodides, C6-19, gamma-omega-perfluoro- 6 18 86959-11-1 29-10-05 Akly iodides, C6-18, gamma-omega-perfluoro- 6 18 86959-11-1 29-10-05 Akly iodides, C6-14, gamma-omega-perfluoro- 6 18 9052-94-1 Amies, C7-19, alpha-omega-perfluoro- 7 19 20009-80-5 Amies, C7-14-tert-alkyt, compks, with, garma-omega-perfluoro-C6-12-alkyl dihydogen phosphate (1:1) 6 12 20009-80-5 Amies, C7-12-tert-alkyt, compks, with sig, gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amies, K12-tert-alkyt, compks, with sig, gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amies, K12-tert-alkyt, compks, with sig, gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amies, K12-tert-alkyt, compks, with sig, gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amies, K12-tert-alkyt, compks, with sig, | | | | | |
| 6818-12-5 Akly loddes, C4-20, gamma-omega-perfluoro- polyperfluorinated IODIES 4 20 9062-71-2 292-47-42 Akly loddes, C6-18, perfluoro polyperfluorinated IODIES 6 18 85995-91-1 291-09-5 Akly loddes, C6-18, perfluoro polyperfluorinated IODIES 8 14 9622-94-4 Amides, C7-19, alpha-omega-perfluoro 7 19 26009-85-1 Amines, C12-14-stert-alkyl, compds, with parama-omega-perfluoro-C6-12-alkyl ilydrogen phosphate (1:1) 6 12 26009-85-1 Amines, C12-14-stert-alkyl, compds, with bis(gamma-omega-perfluoro-C6-12-alkyl) hydrogen phosphate (1:1) polyperfluorinated PhOSPHOORGANICS 6 12 1-87-6 Amines, trist perfluoro-C10-12-alkyl) Amines, trist perfluoro-C10-12-alkyl) 10 12 | | | | | |
| 90622-71-2 29-47-2 Alkyl iodides, Cel-18, perfluoro polyperfluorinated IODIES 6 18 | | | 1.71 | 14 | |
| 85995-11 289-100-5 Alkyl iodides, C8-14, gamma-omega-perfluoro polyperfluorinated IODDES 8 14 9662-29-4 Amides, C7-19, alpha-omega-perfluoro-NN-kishlydroxychyly polyperfluorinated AMINES 7 19 26609-80-5 Amines, C12-14-ter-tallyd, compds, with gamma-omega-perfluoro-C6-12-alkyl inlydrogen phosphate (1:1) 6 12 26609-81-6 Amines, C12-14-ter-tallyd, compds, with sig gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amines, C12-14-ter-talkyl, compds, with sig gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amines, C12-14-ter-talkyl, compds, with sig gamma-omega-perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-87-6 Amines, trisperfluoro-C10-12-alkyl- polyperfluorinated AMINES 10 12 | | | poly/perfluorinated IODIDES | 4 | 1 |
| 90622-9-4 Anides, C7-19, alpha-omega, perfluoro-NX-bis(hydruxyethyl) polyperfluorinated AMINES 7 19 20609-81-5 Animes, C12-14-ert-alkyl, compts, with garmar-omega, perfluoro-C6-12-alkyl dihydrogen phosphate (1:1) 6 12 20609-81-6 Animes, C12-14-ert-alkyl, compts, with signama-omega, perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 6 12 1-37-6 Animes, trig-terfluoro-C10-12-alkyl) by formation of the signama-omega, perfluoro-C6-12-alkyl hydrogen phosphate (1:1) 7 12 1-37-6 Animes, trig-terfluoro-C10-12-alkyl) 5 12 | | | 1-21- | | |
| 26009-80-5 Anines, C12-14-tert-allyd, compds, with gamma-onega-perfluoro-C6-12-allyd (hydrogen phosphate (1:1) polyperfluorinated PHOSPHOORGANICS 6 12 26609-81-6 Amines, C12-14-tert-allyd, compds, with bisic, gamma-onega-perfluoro-C6-12-allyd) hydrogen phosphate (1:1) polyperfluorinated PHOSPHOORGANICS 6 12 1.87-6 Amines, trist-perfluoro-C10-12-allyd)- polyperfluorinated AMINES 10 12 | | | | | |
| 26009-81-6 Anines, C12-14-tert-alkyl, compds. with bist, gamma. omegaperfluoro-C6-12-alkyl) hydrogen phosphate (1:1) poly/perfluorinated PHOSPHOORGANICS 6 12 1-87-6 Amines, trist/perfluoro-C10-12-alkyl)- poly/perfluorinated AMINES 10 12 | | STATE AND THE STATE OF THE STAT | I - 2 I | 7 | |
| 1.87.6 Anims, tris/perfluoro C10-12-allyl)- polyperfluorinated AMINES 10 12 | 206009-80-5 | | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| | 206009-81-6 | Amines, C12-14-tert-alkyl, compds. with bis(gamma-omega-perfluoro-C6-12-alkyl) hydrogen phosphate (1:1) | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| 160994-74-1 Ammonia reaction products with trichloro(3.3.4,4.5.5,6.6.7.8,8.9,9,10,10.10-heptudecaffluorosdecyl)silane OTHER poly/perfluorinated ORGANICS 8 | 1.07.6 | Amines, tris(perfluoro-C10-12-alkyl)- | poly/perfluorinated AMINES | 10 | 12 |
| | | | | | |

| 480-310 | | poly/perfluorinated ETHERS | 1 | 3 |
|---|--|--|--|---|
| | Ammonium perfluorohexyl ethylphosphates is the ammonium salt of a complex mixture of esters of perfluorohexylethanol and phosphoric acid | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| | Ammonium slats of mono- and bis[3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl and/or poly (substituted alkene)] phosphate | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| | Behenyl Methacrylate Perfluorooctylethyl Methacrylate Copolymer of behenyl methacrylate and Perfluorooctylethyl Methacrylate monomers | Fluorinated (meth)acrylate polymers | 2 | 10 |
| 73019-19-9 | Benzamide, 4-[[4-[[12-[[(heptadecafluorooctyl)sulfonyl]propylamino]ethyl]amino]ethyl]amino]ethyl]nethyl]-N-octadecyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 175449-31-7 | Benzene, 1,3-diisocyanatomethyl-, polymers with hydrolyzed Me esters of reduced polymd. oxidized tetrafluoroethylene | poly/perfluorinated POLYMERS | | |
| 26658-70-8 | Benzene, pentafluoro[1,2,2-trifluoro-2-{(trifluoroethenyl)oxy]-1-(trifluoromethyl)ethoxy]-, polymer with tetrafluoroethene and trifluoro(trifluoromethoxy)ethene | Polytetrafluoroethylene (PTFE) | | |
| 109037-75-4 | Benzene, reaction products with chlorine and sulfur chloride (S2CI2), hexafluoroantimonates(1-) | poly/perfluorinated POLYMERS | | |
| 68972-29-2 | Benzenemethanaminium, N-(carboxymethyl)-4-[(heptadecafluorononenyl)oxy]-N,N-dimethyl-, inner salt | poly/perfluorinated AMMONIUM ORGANICS | 8 | 8 |
| 52026-59-2 257-61: | 44 Benzenesulfonamide, 4-[[4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl]oxy]-N-[3-(triethoxysilyl)propyl]- | poly/perfluorinated ETHERS | 1 | 6 |
| 93819-97-7 298-58 | Benzenesulfonamide, N.N-bis(2-hydroxyethyl)-4-[14,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl[oxy]- | poly/perfluorinated ETHERS | 1 | 8 |
| 69013-34-9 | Benzenesulfonamide, N-methyl-4-[[4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl]oxy]-N-[2-(phosphonooxy)ethyl]- | poly/perfluorinated ETHERS | 1 | 7 |
| 41674-07-1 | Benzenesulfonic acid, [(heptadecafluorooctyt)oxy]-, sodium salt | poly/perfluorinated ETHERS | 8 | 8 |
| 51032-47-4 | Benzenesulfonic acid, [[[(heptadecafluorooctyl)sulfony]]amino]methyl]-, monosodium salt | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| 68299-19-4 | Benzenesulfonic acid, [[[(nonafluorobutyl)sulfonyl]anino]methyl]-, monosodium salt | poly/perfluorinated SULFONAMIDES | 4 | 4 |
| 68299-21-8 | Benzenesulfonic acid, [[[(tridecafluorohexyl)sulfoxyl]amino]methyl]-, monosodium salt | poly/perfluorinated SULFONAMIDES | 6 | 6 |
| 68299-20-7 | Benzenesulfonic acid, [[[(undecafluoropenty])sulfonyl]amino]methyl]-, monosodium salt | poly/perfluorinated SULFONAMIDES | 5 | 5 |
| 59536-17-3 | Benzenesulfonic acid, 4-[(heptadecafluorononeny)oxy]-, sodium salt | poly/perfluorinated ETHERS | 8 | 8 |
| 59493-84-4 | Benzenesulfonic acid, 4-{(undecafluorohexenyl)oxy}-, sodium salt | poly/perfluorinated ETHERS | 5 | 5 |
| 94042-95-2 | Benzenesulfonic acid, 4-{[1,3,4,4,5,5,5-keptafluoro-2-[2,2,3,3]-pentafluoro-1-(pentafluoroethyl)-1-(trifluoromethyl)-1-pentenyl)oxy]-, sodium salt | poly/perfluorinated ESTERS | 1 | 5 |
| 85284-15-7 286-633 | | poly/perfluorinated ESTERS | 1 | 4 |
| 94042-94-1 | Benzenesulfonic acid, 4-[1].4.4.5.5.5-hexafluoro-1,2.3-tris(trifluoromethyl)-2-pentenyl)oxy), sodium salt | poly/perfluorinated ESTERS | 3 | 4 |
| 85284-17-9 286-630 | | poly/perfluorinated ESTERS | 1 | 3 |
| 70729-63-4 | Benzenesulfonic acid. 4-[[4.4.5,5.5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl[oxy], compd. with N.N-dibutyl-1-butanamine (1:1) | poly/perluorinated ESTERS | 1 | 5 |
| 52584-45-9 | Benzenesulfonic acid, 44[4,4,5,5]-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl(xy)-3, sofium salt | poly/perfluorinated ESTERS | 1 | 7 |
| 68299-29-6 | Benzenesulfonic acid, ar-[[[(pentadecafluorobeptyl)sulfonyl]amino[methyl]-, monosodium salt | poly/perfluorinated SULFONAMIDES | 7 | 7 |
| 90218-71-6 | Benzensulfonyl chloride, [[(2,2,3,3,4,5,5,6,6,7,8,8,9-entadecafluoror-1-oxooctyl)aminojmethyl]-, branched and linear | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 7 | 7 |
| 90218-70-5 | Benzenssulforvl chloride. III (heotadecafluorooctvl) sulforvl laminol methyll- branched and linear | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 8 | 8 |
| 24216-05-5 | Benzenesulforyl chloride, 3,4-his(2,2,3,3,4,4,5,5,6,6,7,7,8,8-pentadexafluoro-1-oxooctyl)amino]- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 7 | 7 |
| 25444-35-3 | Benzenssulforvl chloride. 4-(rentadecafluorohertyl)- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 7 | 7 |
| 59536-15-1 | Benzenesulforyl chloride, 4-{(heptadecafluorononyl)oxy}- | poly/perfluorinated ETHERS | 7 | 7 |
| | | | | |
| 50402 92 2 | Renzenesulfonyl chloride 4-f(undecufluoroheyenyl)oxyl- | poly/parfluorinated ETUEPS | | |
| 59493-82-2 | Benzenesulfonyl chloride, 4-f(undec-alluroribecenyl)oxyl - Benzenesulfonyl chloride, 4-f(undec-allu | poly/perfluorinated ETHERS | 5 | 8 |
| 51947-19-4 | Benzenesulfonyl chloride, 4-[[4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl]oxyl- | poly/perfluorinated ETHERS | 5 8 | 8 |
| 51947-19-4 57589-85-2 | Benzenesulfonyl chloride, 4-[[4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl]oxyl- Benzsic acid, 2,3,4,5-tetrachloro-6-(((3-(((heptadecafluoroectyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt | poly/perfluorinated ETHERS poly/perfluorinated SULFONIC/SULFINIC ACIDS | 5 8 8 | 8 |
| 51947-19-4 57589-85-2 68568-54-7 | Benzenesulfonyl chloride, 4-[[4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl]oxy]- Benzoic acid, 2,3,4,5-tertachloro-6-(((3-(((heptadecafluoroecty))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzoic acid, 2,3,4,5-tertachloro-6-(((3-(((nonafluorobuty))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt | poly/perfluorinated ETHERS poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated SULFONIC/SULFINIC ACIDS | 5 8 8 4 | 8 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 | Benzenesulfonyl chloride, 4-[[4,4,5,5,5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(trifluoromethyl)-1-pentenyl]oxy]- Benzoic acid, 2,3,4,5-tetrachloro-6-(((3-(((heptadecafluoroetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzoic acid, 2,3,4,5-tetrachloro-6-(((3-(((pentadecafluorobetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzoic acid, 2,3,4,5-tetrachloro-6-(((3-(((pentadecafluorobetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt | poly/perfluorinated ETHERS poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated SULFONIC/SULFINIC ACIDS | 5 8 8 4 7 | 8 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 68815-72-5 | Benzenesulfonyl ethoride, 4-[[4.4.5,5.5-pentafluoro-3-(pentafluoroethyl)-1,2,3-tris(prifluoromethyl)-1-pentenyl]oxyl- Benzoic acid, 2.3.45-tetrachloro-6-((3-(((nonafluoroethyl)-yllonyl)oxyl)-pentenyl]oxinio)-carbonyl-, monopotassium salt Benzoic acid, 2.3.45-tetrachloro-6-((3-(((nonafluoroethyl)-yllonyl)oxyl)-penyl)minio)-carbonyl-), monopotassium salt Benzoic acid, 2.3.45-tetrachloro-6-((3-(((pentadecafluoroethyly)-yllonyl)oxyl)-penyl)minio)-carbonyl-), monopotassium salt Benzoic acid, 2.3.45-tetrachloro-6-(((3-(((tridecafluoroethyl)-yllonyl)oxyl)-penyl)-minio)-carbonyl-), monopotassium salt | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 68815-72-5 68541-02-6 | Benzeiseulfonyl chloride, 4-[[4-4,5,5-5-pentafluoro-3-(pentafluoroethyl)-1,23-tris(trifluoromethyl)-1-pentenyl)oxy]- Benzois acid, 2,3,4-5-tetrachloro-6-((3-(((heptudecafluoroetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzois acid, 2,3,4-5-tetrachloro-6-((3-(((nentafluorabutyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzois acid, 2,3,4-5-tetrachloro-6-((3-((((nentafluorobetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzois acid, 2,3,4-5-tetrachloro-6-((3-((((mentadecafluorobetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzois acid, 2,3,4-5-tetrachloro-6-((3-((((undecafluoropetyl)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 68815-72-5 68541-02-6 29811-19-6 | Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-(((heptadecafluoroehy))-1,2.3-tris(trifluoromethy))-1-pentenyl)oxy]- Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-(((heptadecafluoroety))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-(((nonafluoroehy))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-(((inteadecafluoroehey))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-(((inteadecafluoroehey))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-(((inteadecafluoroehey))sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.4.5-tetrachloro-6-(i(3-((inteadecafluoroehey)sulfonyl)oxy)phenyl)amino)carbonyl)-, monopotassium salt | polyperfluorinated ETHERS polyperfluorinated SULFONIC/SULFINIC ACIDS | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 68815-72-5 68541-02-6 29811-19-6 406207-51-0 | Benzeie sick 2,3,4,5-sterachtoro-6-(i(3-((incatalacrocety)sulfory))-pentenyl)samino; arrhoryl)- monopotassium salt Benzoie sick 2,3,4,5-sterachtoro-6-(i(3-((incatalacrocety)sulfory))-pentenyl)-pentenyl)-pentenyl)-pentenyl-pente | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polytetrafluoroethylene (FTFE) | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 6815-72-5 6851-02-6 29811-19-6 406207-51-0 503454-47-5 | Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyly)alfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((iridecafluorobenyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.411-il-imethylehyl-, i-(2.2.33,4.45.56,6.7.7-doceafluorobenyl) setr. sodium salt Benzeis acid, 4.11-il-imethylehyl-, ethenyl ester, polymer with define, 4-(ethenyloxy)-1-bunnol, 1.1.2.3.3-hexafluoro-1-propene and 1.1.2.2-tetrafluoroethene Benzeis acid, 4.4-caxybis-, polymer with 4.4-(2.2.3-trifluoro-1-trifluoromethyl)ehildene/bis(2-amino phenol), bis[hydrogen-et-(1R.2S,RAS)-bisyclo] 2.2.1]hept-5-ene-2.3-dicarboxylate] | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polyterfallorocothylene (PTFE) polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 68815-72-5 68541-02-6 29811-19-6 406207-51-0 | Benzeie sick 2,3,4,5-sterachtoro-6-(i(3-((incatalacrocety)sulfory))-pentenyl)samino; arrhoryl)- monopotassium salt Benzoie sick 2,3,4,5-sterachtoro-6-(i(3-((incatalacrocety)sulfory))-pentenyl)-pentenyl)-pentenyl)-pentenyl-pente | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polytetrafluoroethylene (FTFE) | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 68568-54-7 68541-01-5 68815-72-5 68541-02-6 29811-19-6 406207-51-0 503454-47-5 | Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((inoafdaoreotyly)alfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.3.45-tetrachtoro-6-(i(3-((iridecafluorobenyl)yalfony)bay)phenylamino)carbonyl)-, monopotassium salt Benzeis acid, 2.411-il-imethylehyl-, i-(2.2.33,4.45.56,6.7.7-doceafluorobenyl) setr. sodium salt Benzeis acid, 4.11-il-imethylehyl-, ethenyl ester, polymer with define, 4-(ethenyloxy)-1-bunnol, 1.1.2.3.3-hexafluoro-1-propene and 1.1.2.2-tetrafluoroethene Benzeis acid, 4.4-caxybis-, polymer with 4.4-(2.2.3-trifluoro-1-trifluoromethyl)ehildene/bis(2-amino phenol), bis[hydrogen-et-(1R.2S,RAS)-bisyclo] 2.2.1]hept-5-ene-2.3-dicarboxylate] | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polyterfallorocothylene (PTFE) polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 7 6 |
| \$1947-19-4 \$7589-85-2 68568-54-7 6854-10-15 68815-72-5 6854-10-2-6 29811-19-6 406027-51-0 50345-47-5 500359-01-3 1202745-43-4 | Benzoic acid, 2.3.45-tetrachtoro-6-(i(2-((incandiacorecty)-i)-inflory)-(periony)-incorecty)-inflory)-(incandiacorecty)-inflory)-(incandiacorecty)-inflory)-(inflory)-inf | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated SUFERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 7 6 |
| 51947-19-4 57589-85-2 6854-10-15 68815-72-5 68815-72-5 68815-72-5 6881-72-5 6881-72-5 5881-19-6 406207-51-0 503454-47-5 500359-01-3 1202745-43-4 1203810-15-4 | Benzeica cick. 2.3.45-tetrachtoro-6-(i(3-((inonafluorocuty))-i, participal polycipheny) amino) carbony)-, monopotassium salt Benzoica cick. 2.3.45-tetrachtoro-6-(i(3-((inonafluorocuty))-patifory) boxy) pheny) amino) carbony)-, monopotassium salt Benzoica cick. 2.3.45-tetrachtoro-6-(i(3-((inonafluorocuty))-patifory) boxy) pheny) patifory) boxy) | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 7 6 11 6 |
| 51947-19-4 57:589-85-2 68:585-54-7 68:51-01-5 68:51-72-5 68:541-02-6 29:811-19-6 406:207-51-0 50345-47-5 500359-01-3 1202745-43-4 1203810-15-4 58:253-65-9 | Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((heptadecafluorocoty)s)ulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((heptadecafluorocoty)s)ulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((heptadecafluorochepty)sulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((heptadecafluorochepty)sulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((mentdecafluorochepty)sulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((undecafluorochepty)sulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-(((undecafluorochepty)sulfony)toxy)phenylamino)carbonyl)-, monopotassium salt Benzoic acid, 4.1.1-dimethylethyl-, ethenyl ester, polymer with (acid-prochepty) testr, sodium salt Benzoic acid, 4.1-dimethylethyl-, ethenyl ester, polymer with ethen, 4-(ethenyloxy)-1-butanol, 1,1,2,3,3-hexafluoro-1-propene and 1,1,2,2-tetrafluorochene Benzoic acid, 4.4-caybis-, polymer with 4.4-{2,2.2-trifluoro-1-(trifluoromethyl)ethylidene)bis[2-aminophenol], bis[hydrogen-red-(IR_2S_3R_4S_b)sixylot[2,2.1]hept-5-ene-2,3-dicarboxylate] Benzoic acid, 4.4-caybis-, polymer with 4.4-{2,2.2-trifluoro-1-(trifluoromethyl)ethylidene)bis[2-aminophenol] and N.N-{2,2.2-trifluoro-1-(trifluoromethyl)ethylidene)bis[2-aminophenol] and N.N-{2,2.2-trifluoro-1-(trifluoromethyl)eth | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polyterralluoroethylene (PTFE) polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 7 6 |
| \$1947-19-4 \$7389-85-2 68568-54-7 6854-10-15 68815-72-5 68815-72-5 6854-02-6 29811-19-6 406207-51-0 503454-47-5 50339-01-3 1202745-43-4 1203810-15-4 \$5825-65-9 154532-82-8 | Benzeic acid, 2.3.4.5-tetrachtoro-6-(i(3-((incatalacorocyt)sulfony)beny)pimi)pimino(archony)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-((incatalacorocyt)sulfony)beny)pimino(archony)-, monopotassium salt Benzoic acid, 2.3.4.5-tetrachtoro-6-(i(3-((incatalacorocythony))sulfony)beny)pimino(archony)-, monopotassium salt Benzoic acid, 4.4.1.1.dimethylethyl-, eftenyl ester, polymer with eftense, 4.(ethenyloxy)-butanol, 1,1,2,3,3-hexafluror-1-propene and 1,1,2,2-tetraflurocethene Benzoic acid, 4.4.1.dimethylethyl-, eftenyl ester, polymer with 4.4.1.2.2.erifluoro-1-(influorococythylethylideolylide)acid-aminophenol, bichyliogen-ed-(IR_2S_3R_4S_b)-hicyclo[2,2] lipept-5-ene-2,3-dicarboxylate) Benzoic acid, 4.4.2.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0. | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polytetrafluoroethylene (PTFE) polyperfluorinated FOLFMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated THERS polyperfluorinated THERS polyperfluorinated THERS | 4 7 6 | 8 8 4 7 6 11 6 |
| 51947-19-4 57589-85-2 68568-54-7 6854-101-5 68815-72-5 6854-102-6 29811-19-6 406207-51-0 503454-47-5 500359-01-3 1202745-43-4 1203810-15-4 58253-65-9 13540-82-4 | Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(i(topatdecafluorocoty)sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(i(topatdecafluorocoty)sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(i(topatdecafluorocoty)sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(i(topatdecafluorochepy)sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(i(tridecafluorochepy)sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.46-tetrachtoro-6-(i(3-(i(tridecafluorochepy)sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.46-tetrachtoro-6-(i(3-(i(tridecafluorochepy))sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.46-tetrachtoro-6-(i(3-(i(tudecafluorochepy))sulfony)toxy)pheny)amino;carbony)-, monopotassium salt Benzoic acid, 2.3.46-tetrachtoro-6-(i(3-(i(tudecafluorochepy))sulfony)toxy)-, pheny sulfony-indecafluorochepy)-, etherotacherochepy)-, etherotacherochepy)-, etherotacherochepy)-, etherotacherochepy)-, etherotacherochepy)-, etherotacherochepy)-, etherotacherochepy)-, eth | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated FOLYMERS polyperfluorinated FOLYMERS polyperfluorinated FOLYMERS polyperfluorinated FOLYMERS TOHER polyperfluorinated POLYMERS OTHER polyperfluorinated ORGANICS | 4 7 6 | 8 8 4 7 6 11 6 |
| 51947-19-4 57589-85-2 6854-10-15- 68815-72-5 68815-72-5 68541-02-6 29811-19-6 406207-51-0 50345-4-7-5 500359-01-3 1202745-43-4 1203810-15-4 58235-65-9 15432-82-8 115340-82-4 98219-29-5 | Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-((inonaliacorecty))-1,2.3-tris(rifluoromethyl)-1-pentenyl)oxyl- Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-((inonaliacorecty))-y)-inonopotassium salt Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-((inonaliacorecty))-y)-inonopotassium salt Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-((inonaliacorecty)-y)-y)-inonopotassium salt Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-((inonaliacorecty)-y)-y)-inonopotassium salt Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-((iridecafluorobexyl)-y)-inonopotassium salt Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-(iridecafluorobexyl)-y)-inonopotassium salt Benzeis acid, 2.3.4.5-tetrachtoro-6-(i(3-(iridecafluorobexyl) | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated FOLYMERS polyperfluorinated POLYMERS polyperfluorinated FIHERS polyperfluorinated FOLYMERS OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS | 4 7 6 | 8 8 4 7 6 11 6 |
| \$1947-19-4 \$7589-85-2 68568-54-7 6854-10-15 68815-72-5 6881-0-26 29811-19-6 406207-51-0 50345-47-5 500359-01-3 1202745-43-4 1203810-15-4 \$823-65-9 15452-82-8 115340-82-4 98219-29-5 70850-11-2 | Benzeic acid, 2.3.4.5-tetrachtoro-6 ((3-(((nepataceafluorocoty)sulfony))-pentenyl)amino; carbonyl)- monopotassium salt Benzeic acid, 2.3.4.5-tetrachtoro-6 ((3-(((nepataceafluorocoty)sulfony))-pentenyl)-pentenyl)-pentenyl)-pentenyl-pente | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 4 7 7 6 6 111 6 6 114 14 14 14 14 |
| \$1947-19-4 \$7589-85-2 68568-54-7 6854-10-15 68815-72-5 68815-72-5 68541-02-6 29811-19-6 406207-51-0 503454-47-5 500359-01-3 1202745-43-4 1203810-15-4 \$8253-65-9 13453-82-8 115340-82-4 98219-29-5 708580-11-2 71608-43-0 | Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(((tonatharcocty)sulfony)toxy)pheny)amino)carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-(((tridecafluorochety)sulfony)toxy)pheny)amino)carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-((tridecafluorochety)sulfony)toxy)pheny)amino)carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-((tundecafluorochety)sulfony)toxy)pheny)amino)carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-((tundecafluorochety)sulfony)toxy)pheny)amino)carbony)-, monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-(i(3-((tundecafluorochety)sulfony)toxy)pheny)amino)carbony)-, monopotassium salt Benzoic acid, 4.1.1-dimethylethyl-, educydecafluorochetylysulfonecafluorochetyly-betrachetylethyl-, educydecafluorochetyly-betrachetylethyl-idecafluorochetyl-sett | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Pelyeteralhomoethylene (PTFE) polyperfluorinated FOLYMERS polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 7 6 11 6 |
| 51947-19-4 57589-85-2 6854-10-15 68815-72-5 68815-72-5 68815-72-5 68815-72-5 68815-72-5 68811-19-6 406207-51-0 503454-47-5 500359-01-3 1202745-43-4 1203810-15-4 58235-65-9 115349-82-4 98219-29-5 70850-11-2 71608-43-0 32687-76-6 | Benzoic acid, 2.3.45-tetrachtoro-6-((3-(((monafluorocuty))-µ/2.3-tris((rifluoromethy))-pentenyl)oxy)- Benzoic acid, 2.3.45-tetrachtoro-6-((3-(((monafluorocuty))-yhenyl)amino)carbonyl)- monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-((3-(((monafluorocuty))-yhenyl)-yhenyl)amino)carbonyl)- monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-((3-(((monafluorocheyy))-yhenyl)-yhenyl)-yhenylomino)carbonyl)- monopotassium salt Benzoic acid, 2.3.45-tetrachtoro-6-((3-(((monafluorocheyy))-yhenylomino)carbonyl)- monopotassium salt Benzoic acid, 2.3.46-tetrachtoro-6-((3-(((monafluorocheyy))-yhenylomino)carbonyl)- monopotassium salt Benzoic acid, 2.3.46-tetrachtoro-6-((3-(((monafluorocheyy))-yhenylomino)carbonylomylomylomylomylomylomylomylomylomylom | polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated ESTERS Polyterafluorinated FOLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated FOLYMERS TOTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated ORGANICS polyperfluorinated POLYMERS | 4 7 6 | 8 8 4 4 7 7 6 6 111 6 6 8 8 8 14 14 14 14 14 |
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| \$1947-194 \$7589-85-2 68568-54-7 6854-101-5 68815-72-5 68815-72-5 68541-02-6 29811-19-6 406207-51-0 503454-47-5 50359-01-3 1202745-43-4 1203810-15-4 \$8253-65-9 13453-82-8 115340-82-4 98219-29-5 70850-11-2 71608-43-0 32687-76-6 \$7677-95-9 \$5299-92-59 700-18 753501-43-8 864910-70-3 332079-07-9 | Beuzeic acid. 2,34.5 setrachion-of-(i(3-((integradecalitorococyty) pilory) pilory) pimopotasium salt Benzic acid. 2,34.5 setrachion-of-(i(3-(integradecalitorococyty) pilory) pinor) pimopotasium salt Benzic acid. 2,34.5 setrachion-of-(i(3-(integradecalitorococyty) pilory) pinor) pinor) pinory pin | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated FOLEMERS polyperfluorinated FOLEMERS polyperfluorinated POLYMERS polyperfluorinated CARRONYLIC ACIDS polyperfluorinated CARRONYLIC ACIDS polyperfluorinated PHOSPHORGANICS polyperfluorinated PHOSPHORGANICS polyperfluorinated PHOSPHORGANICS Pluorinated ocetane polymers Fluorinated ocetane polymers Fluorinated ocetane polymers Fluorinated ocetane polymers | 4 7 6 111 6 8 8 8 8 | 8 8 4 7 7 6 6 111 6 8 8 14 14 14 20 6 6 6 4 4 |
| 51947-19-4 57589-85-2 68568-54-7 6854-10-15 68815-72-5 6851-02-6 29811-19-6 406207-51-0 503454-47-5 500359-01-3 1202745-43-4 1203810-15-4 5823-65-9 15403-82-8 115340-82-4 98219-29-5 70850-11-2 71608-43-0 32687-76-6 57677-95-9 5299-25-9 700-18 753501-43-8 864910-70-3 332079-06-8 332079-07-9 753501-40-5 452080-67-0 | Bennic acid, 2.3.4.5 etranshino-6 ((13-((topadacellurocoxy))sulfory) boxy)beroj)samioschrosy)-, monopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-((topadacellurocoxy))sulfory) boxy)beroj)samioschrosy)-, monopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-((topadacellurochey))sulfory) boxy)beroj)samioschrosy)-, monopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-((topadacellurochey))sulfory) boxy)beroj)samioschrosy)-, monopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-((topadacellurochey))sulfory) bytoxy)beroj)samioschrosy)-, monopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-((topadacellurochey))sulfory))-, propopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-(topadacellurochey))-)-, monopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-(topadacellurochey))-)-, propopotassium salt Bennic acid, 2.3.4.5 etranshino-6 ((13-(topadacellurochey))-)-, monopotassium salt Bennic acid, 4.4.1-, damsylvely-)-, ethory)- ethory-)-, ethory-)-, monopotassium salt Bennic acid, 4.4.1-, damsylvely-)-, ethory-)-, ethory-)-, ethory-)-, monopotassium salt Bennic acid, 4.4.1-, damsylvely-)-, ethory-)-, ethory-)-, monopotassium salt Bennic acid, 4.4.1-, damsylvely-)-, ethory-)-, ethory-)-, ethory-)-, monopotassium salt Bennic acid, 4.4.1-, damsylvely-)-, ethory-)-, etho | polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated POLYMERS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated PORSPHOORGANICS polyperfluorinated PHOSPHOORGANICS Fluorinated ocetane polymers | 4 7 6 111 6 8 8 8 8 | 8 8 4 7 7 6 6 111 6 8 8 14 14 14 20 6 6 6 4 4 |
| 51947-19-4 57589-85-2 6854-10-15 68813-72-5 68814-02-6 29811-19-6 406207-51-0 503454-47-5 500359-01-3 1202745-43-4 1203810-15-4 58233-65-9 13538-82-8 115349-82-4 98219-29-5 70850-11-2 71608-43-0 32687-76-6 57677-95-9 5229-25-9 70950-11-2 73501-43-8 864910-70-3 332079-06-8 332079-07-9 735301-40-5 452080-67-0 1029089-63-1 | Renzie said, 2.3.4.5 estrablishor (-0.13 (Comparison of Comparison of Co | polyperfluorinated ETHERS polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated FSTERS Polytetrafluoroethylene (PTFE) polyperfluorinated POLYMERS polyperfluorinat | 4 7 6 111 6 8 8 8 8 6 6 4 | 8 8 4 7 7 6 111 6 6 114 14 14 14 14 14 14 14 14 14 14 14 14 |
| \$1947-19-4 \$7589-85-2 68568-54-7 6854-10-15 68815-72-5 68815-72-5 6854-10-2-6 29811-19-6 406207-51-0 503454-47-5 50359-01-3 1202745-43-4 1203810-15-4 \$5253-65-9 154532-82-8 115340-82-4 98219-29-5 70850-11-2 71608-43-0 32687-76-6 \$7677-9-9 \$5299-25-9 700-18-8 864910-70-3 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-07-9 753501-40-5 4520806-67-0 1029080-63-1 375-02-0 206-78- | Renze said, 23.4.5 estrablemo-6 (id.3 ((Integralacial corecesty) buildings) bury pleasing lipsory; between the process of the | polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated FSTERS Polyterralhoroethylene (PTFE) polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS polyperfluorinated Octane polymers Pluorinated octane polymers | 4 7 6 111 6 8 8 8 8 | 8 8 4 7 7 6 6 111 6 8 8 14 14 14 20 6 6 6 4 4 |
| 51947-19-4 57589-85-2 68568-54-7 6854-10-15 68815-72-5 68815-72-5 6851-02-6 29811-19-6 406207-51-0 503454-47-5 50359-01-3 1202745-43-4 1203810-15-4 58253-65-9 154532-82-8 115340-82-4 98219-29-5 70550-11-2 71608-43-0 32687-76-6 57677-95-9 52599-25-9 705501-12-8 755501-43-8 864910-70-3 332079-07-9 753501-40-5 452080-67-0 102089-63-1 3750-20-206-78 662-50-0 211-55 | Remote acid, 2,3,45 errathbros -6(10-10) (https://deathbros.co.journal.ps.org/s) (a) pearentyliny); Benoic acid, 2,3,45 errathbros -6(10-10) (https://deathbros.co.journal.ps.org/s) pearentyliny); Benoic acid, 2,3,45 errathbros -6(10-10) (https://deathbros.co.journal.ps.org/s) pearentyliny); Benoic acid, 2,3,45 errathbros -6(10-10) (pearentyliny); Benoic acid, 4,4-4 only-b, pearentyliny); Benoic acid, | polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated FOLFAMERS polyperfluorinated FOLFAMERS polyperfluorinated POLYMERS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated POSPHONGANICS polyperfluorinated POSPHONGANICS polyperfluorinated POSPHONGANICS polyperfluorinated POSPHONGANICS Fluorinated oxetane polymers | 4 7 6 111 6 8 8 8 8 6 6 4 | 8 8 4 4 7 7 6 6 111 6 6 8 8 14 14 14 20 6 6 6 4 4 12 2 |
| \$1947-19-4 \$7589-85-2 68568-54-7 6854-10-15 68815-72-5 68815-72-5 6854-10-6 29811-19-6 406207-51-0 503454-47-5 50359-01-3 1202745-43-4 1203810-15-4 \$5255-65-9 154532-82-8 115340-82-4 98219-29-5 70850-11-2 71608-43-0 32687-76-6 \$75677-9-9 \$5229-25-9 700-18. \$64910-70-3 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-06-8 332079-07-9 753501-40-5 4520880-67-0 1020089-63-1 375-02-0 206-78. | Remains and 2, 23,45 sertandom 6-(id-(it)cytocal-culture-oxyto) million by key plenty juminous methyl-1-pennnyl) say; leave juminous methyl-pennnyl) say; leave juminous methyl-pennnyl-pennyl-p | polyperfluorinated SULFONICSULFINIC ACIDS polyperfluorinated FSTERS Polyterralhoroethylene (PTFE) polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS polyperfluorinated Octane polymers Pluorinated octane polymers | 4 7 6 111 6 8 8 8 8 6 6 4 | 8 8 4 4 7 7 6 6 111 6 6 8 8 14 14 14 20 6 6 6 4 4 14 2 2 |

| 163702-07-6 | Butane, 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy- | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
|---|--|--|--|--|
| 185045-68-5 | Butane, 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-, mixt. with (1E)-1,2-dichloroethene and 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane | poly/perfluorinated ETHERS | 1 | 4 |
| 374-98-1 206-779-5 | Butane, 1,1,1,2,2,3,3-heptafluoro-4-iodo- | poly/perfluorinated IODIDES | 3 | 3 |
| 375-51-9 | Butane, 1,1,1,2,2,3,4,4,4-nonafluoro-3-iodo- | poly/perfluorinated IODIDES | 4 | 4 |
| 40723-80-6 255-055-5 | Butane, 1,1,1,2,2-pentafluoro-4-iodo- | poly/perfluorinated IODIDES | 4 | 4 |
| 594-91-2 | Butane, 1,1,1,2,3,3,4,4,4-nonafluoro-2-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 2501-01-1 | Butane, 1,1,1,2,3,4,4-octafluoro-2,3-bis(1,1,2,2,3,3,3-heptafluoropropoxy)- | poly/perfluorinated ETHERS | 4 | 4 |
| 354-96-1 | Butane, 1,1,1,2,3,4,4-octafluoro-2,3-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 377-36-6 | Butane, 1,1,2,2,3,3,4,4-octafluoro- | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 375-50-8 206-788-4 | Butane, 1,1,2,2,3,3,4,4-octafluoro-1,4-diiodo- | poly/perfluorinated IODIDES | 4 | 4 |
| 54572-17-7 | Butane, 1,1,2,3,4,4-hexafluoro-1,2,3,4-tetrakis(heptafluoropopoxy)-, (R*,S*)- | poly/perfluorinated ETHERS | 4 | 4 |
| 54208-66-1 | Butane, 1,1,2,3,4,4-hexafluoro-1,2,3,4-tetrakis(heptafluoropropoxy)- | poly/perfluorinated ETHERS | 4 | 4 |
| 355-24-8 | Butane, 1,4 dichloro-1,1,2,2,3,3,4,4-ortafluoro- | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 163702-05-4 | Butane, 1-ethoxy-1,1,2,2,3,3,4,4-nonafluoro- | poly/perfluorinated ETHERS | 4 | 4 |
| 355-20-4 | Butane, 2.3-dichloro-1,1,12,3,44,4-octafluoro- | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 355-25-9 206-580-3 | Butane, decafluoro- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 28984-80-7 | Butane, trichlorohestafluoro- | OTHER poly/perfluorinated ORGANICS | 2 | 4 |
| 503534-33-6 | Butanedioic acid. [(carboxymethyl)thio]. 1.4-bis(3.3.44.5.5.6.6-nonafluorohexyl)ester. lithium salt | poly/perfluorinated ESTERS | 4 | 4 |
| 94166-88-8 | ormanione acid, [teatoto/miss/galine, respective]. The state of the st | poly/perfluorinated ESTERS poly/perfluorinated ESTERS | 6 | 12 |
| 63367-17-9 | Disturction and, Suffer, 1-there agains content of the content of | poly/perfluorinated ESTERS poly/perfluorinated SULFONAMIDES | 0 | 12 |
| | Summation and, Sums, 1,-46-8(2,23,54,55,66,56,56) substantial subs | 1.71 | 8 | 8 |
| 98151-22-5 | Butanedica and, sulho, 1,1-bit(2,2,5,4,4,5,5,6,decaltinorthexpt) ester, sodium salt Butanedica and, sulho, 1,1-bit(2,2,5,4,4,5,5,6,decaltinorthexpt) ester, sodium salt Butanedica and, sulho, 1,1-bit(3,4,4,5,6,6,7,8,8,8,4) relicalinorothexpt) ester, sodium salt displayed and sulfation of the | poly/perfluorinated SULFONAMIDES | 5 | 5 |
| 54950-05-9 | Butanedoic acid, sulho, 1,4-but,5,3,4,5,2,6,6,7,8,8,8-finderaltorocyty) ester, sodium sult Butanedoic acid, sulho, 1,4-but,5,3,4,5,2,6,6,7,8,8-8-finderaltorocyty) ester, sodium sult Butanedoic acid, sulho, 1,4-bit sulfreque 2,2,3,4,4,5,5,6,7-bedeafultorocytepty) and 2,2,3,3,4,5,5-cetafluoropenty) esters, sodium salts | poly/perfluorinated ESTERS | 6 | 6 |
| 72905-91-0 | | poly/perfluorinated ESTERS | 4 | 6 |
| 90268-45-4 | Butnessilony fluoride, nonafluoro-, branched | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 4 | 4 |
| 661476-43-3 | Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-{trifluoroethenyloxy}, methyl ester, homopolymer, hydrolyzed | poly/perfluorinated POLYMERS | | |
| 68187-25-7 | Butanoic acid, 4-[[3-(dimethylamino) propyl]amino]-4-xxx-, 2(or 3)-[(,gammaomegaperfluoro-C6-20-alkyl)thio] derivs. | poly/perfluorinated TIOLS | 6 | 20 |
| 375-22-4 206-786-3 | Butanoic acid, heptafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 3 | 3 |
| 17165-55-8 | Butanoic acid, heptafluoro-, 2-propenyl ester | poly/perfluorinated ESTERS | 4 | 4 |
| 336-59-4 206-410-8 | Butanoic acid, heptafluoro-, anhydride | poly/perfluorinated ESTERS | 4 | 4 |
| 356-28-5 | Butanoic acid, heptafluoro-, ethenyl ester | poly/perfluorinated ESTERS | 4 | 4 |
| 356-27-4 206-602-1 | Butanoic acid, heptafluoro-, ethyl ester | poly/perfluorinated ESTERS | 4 | 4 |
| 356-24-1 206-600-0 | Butanoic acid, heptafluoro-, methyl ester | poly/perfluorinated ESTERS | 4 | 4 |
| 3794-64-7 223-266-1 | Butanoic acid, heptafluoro-, silver(1+) salt | poly/perfluorinated CARBOXYLIC ACIDS | 4 | 4 |
| 2218-54-4 218-721-6 | Butanoic acid, heptafluoro-, sodium salt | poly/perfluorinated CARBOXYLIC ACIDS | 4 | 4 |
| 211697-45-9 | Butanoic acid, 2,2,3,3,4,4-hexafluoro-4-[(trifluoroethenyl) oxy]-, sodium salt, polymer with 1,1,1,2,2,3,3-heptafluoro-3-[(trifluoroethenyl)oxy] propane and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 69531-49-3 | | | | |
| 02221-42-3 | Butanoic acid, 2, 2, 3, 3, 4, 4-hexafluoro-4-[(trifluorothenyl)oxy]-, sodium salt, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 89461-13-2 | Butanoic acid, 2,2,3,3,4-hexafluoro-4-{(trifluorothenyl)oxy}-, sodium salt, polymer with tetrafluoroethene Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane | Polytetrafluoroethylene (PTFE) poly/perfluorinated POLYMERS | | |
| 3,11,1,1,1 | ************************************** | | 4 | 4 |
| 89461-13-2 11070-66-9 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 89461-13-2 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane Butene, octafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS | 4 | 4 |
| 89461-13-2 11070-66-9 213188-00-2 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane Butene, octafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate (C6-14 perfluoroalkylethyl acrylate/mercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acrylate polymers | - | |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane Buteno, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate Co-14 perfluoroals/yelhyl acrylate/mercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(Co-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate-N-Perfluorocylsulfonyl-N-methylaminoethyl methacrylate copolymer | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers | 6 8 | 12 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane Butne, octafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate (C6-14 perfluoroalkylethyl acrylate-inercaptopopyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate/N-Perfluoroctylatflonyl-N-methylaminoethyl methacrylate copolymer C4 Perfluorinated surfactant | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (methylacylate polymers Fluorinated (methylacylate polymers OTHER polyiperfluorinated ORGANICS | 6 8 4 | 12 8 4 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane Butene, octafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate-N-Perfluorotylsulfonyl-N-methylaminoethyl methacrylate copolymer C4 Perfluorinated surfactant C6 Perfluorinated surfactant | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS | 6 8 | 12 8 4 6 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 | Butanol, (ethenyloxy)-, polymer with chlororifluoroethene and (ethenyloxy)cyclobexane Buteno, oxfafluoro- Butyn cystate modified ethylene and chlororifluoroethylene, polymer Butyl acrylate Modified ethylene and chlororifluoroethylene, polymer Butyl acrylate, n-butyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Col Perfluorinated surfactant Col Perfluorinated surfactant Col Perfluoroallylethyl Acrylate HEMA Copolymer is a copolymer of 2-(perfluoro(Col-14 alkyli)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acylate polymers | 6 8 4 | 12 8 4 6 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethene and (ethenyloxy)cyclohexane Buten, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer C4 Perfluorocyclysulfonyl-N-methylaminoethyl methacrylate copolymer C4 Perfluoroinated surfactant C6 Perfluoroinated surfactant C6-14 Perfluoroalkylethyl Acrylate/BEMA Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbamia acid, (4-methyl-1,3-phenylene/bis-, bis[2-[ethyl[(beptadecafluonocytybulfonyl]amino]ethyl] ester | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)ser/ylate polymers Fluorinated (meth)ser/ylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)ser/ylate polymers poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS pluorinated organized pluorinated pluorinated organized pluorinated SULFONAMIDES | 6 8 4 | 12 8 4 6 14 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)cyclohexane Butanol, octafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate (C6-14 perfluoroalkylethyl acrylate/mercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate.N-Perfluoroalkylatfonyl-N-methylaminoethyl methacrylate copolymer C4 Perfluorinated surfactant C6 Perfluorinated surfactant C6-14 Perfluorinated surfac | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (methylacrylate polymers Fluorinated (methylacrylate polymers OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS Fluorinated (methylacrylate polymers polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES | 6 8 4 6 6 8 | 12 8 4 6 14 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 | Butanol, (ethenyloxy)-, polymer with chlororifluoroethen and (ethenyloxy)cyclohexane Buteno, oxfalluoro- Butyl acrylate modified ethylene and chlororifluoroethylene, polymer Buyl acrylate modified ethylene and chlororifluoroethylene, polymer Buyl acrylate Co-14 perfluoroal(cylethyl acrylate) perfluoroal(cylethyl acrylate) perfluoroal(cylethyl acrylate) perfluoroal(cylethyl acrylate) and mercaptopropyl dimethicone monomers Buyl acrylate-N-Perfluoroay(stalfonyl-N-methylaminoethyl methacrylate copolymer C4 Perfluoroal(stalfon) C6 Perfluorialed surfactant C6-14 Perfluoroal(sylethyl Acrylate) HEMA Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis/2-lethyl((perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis/2-lethyl((perfluoro(C8-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis/2-lethyl((perfluoro-C4-8-hyb)sulfonylaminolethyl) ester | polyperfluorinated POLYMERS polyperfluorinated ALKANES/ALKENES polyperfluorinated POLYMERS Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS Fluorinated (meth)acrylate polymers polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES | 6 8 4 6 6 8 4 6 6 | 12 8 4 6 14 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)cyclohexane Buteno, cotafluoro- Buten, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate Perfluoroathylethyl acrylate/mercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate-N-Perfluoroathylsulfonyl-N-methylaminoethyl methacrylate copolymer C4-Perfluoroathylsulfonyl-N-methylaminoethyl methacrylate copolymer C6-14 Perfluoroathylsulfonyl-N-methylaminoethyl methacrylate and 2-hydroxyethyl methacrylate monomers Carbamic acid, (4-methyl-1,3-phenylene)bis, bis[2-[ethyl[(perfluoro-C4-8-alkyl)]sulfonyl]amino ethyl] ester Carbamic acid, (4-methyl-1,3-phenylene)bis, bis[2-[ethyl[(perfluoro-C4-8-alkyl)]sulfonyl]amino ethyl] ester Carbamic acid, (4-methyl-1,3-phenylene)bis, bis[2-[ethyl[(perfluoro-C4-8-alkyl)]sulfonyl]amino ethyl] ester Carbamic acid, (2-(allothio)ethyll-3,3-4,5-5.66,3-7,8-8,8-tridecafluorooxyl), - Cethyl ester, codium sult Carbamic acid, (2-(allothio)ethyll-7, C-(gammaomegaperfluoro-C6-9-alkyl) esters, monosodium sults | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES | 6 8 4 6 6 8 | 12 8 4 6 14 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68801-83-4 67846-66-6 | Butanol, (ethenyloxy)-, polymer with chlororifluoroethen and (ethenyloxy)cyclohexane Buteno, oxfalluoro- Butyl acrylate modified ethylene and chlororifluoroethylene, polymer Buyl acrylate modified ethylene and chlororifluoroethylene, polymer Buyl acrylate Co-14 perfluoroal(cylethyl acrylate) perfluoroal(cylethyl acrylate) perfluoroal(cylethyl acrylate) perfluoroal(cylethyl acrylate) and mercaptopropyl dimethicone monomers Buyl acrylate-N-Perfluoroay(stalfonyl-N-methylaminoethyl methacrylate copolymer C4 Perfluoroal(stalfon) C6 Perfluorialed surfactant C6-14 Perfluoroal(sylethyl Acrylate) HEMA Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis/2-lethyl((perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis/2-lethyl((perfluoro(C8-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis/2-lethyl((perfluoro-C4-8-hyb)sulfonylaminolethyl) ester | polyperfluorinated POLYMERS polyperfluorinated ALKANES/ALKENES polyperfluorinated POLYMERS Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS Fluorinated (meth)acrylate polymers polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES | 6 8 4 6 6 8 4 6 6 | 12 8 4 6 14 8 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)cyclohexane Buteno, cotafluoro- Buten, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate Perfluoroathylethyl acrylate/mercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate-N-Perfluoroathylsulfonyl-N-methylaminoethyl methacrylate copolymer C4-Perfluoroathylsulfonyl-N-methylaminoethyl methacrylate copolymer C6-14 Perfluoroathylsulfonyl-N-methylaminoethyl methacrylate and 2-hydroxyethyl methacrylate monomers Carbamic acid, (4-methyl-1,3-phenylene)bis, bis[2-[ethyl[(perfluoro-C4-8-alkyl)]sulfonyl]amino ethyl] ester Carbamic acid, (4-methyl-1,3-phenylene)bis, bis[2-[ethyl[(perfluoro-C4-8-alkyl)]sulfonyl]amino ethyl] ester Carbamic acid, (4-methyl-1,3-phenylene)bis, bis[2-[ethyl[(perfluoro-C4-8-alkyl)]sulfonyl]amino ethyl] ester Carbamic acid, (2-(allothio)ethyll-3,3-4,5-5.66,3-7,8-8,8-tridecafluorooxyl), - Cethyl ester, codium sult Carbamic acid, (2-(allothio)ethyll-7, C-(gammaomegaperfluoro-C6-9-alkyl) esters, monosodium sults | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES | 6 8 4 6 6 8 4 6 6 | 12 8 4 6 14 8 8 |
| 89461-13-2 11070-66-9 213188-60-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)cyclohexane Buteno, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate (C-14 perfluoroatly)ethyl acrylate/mercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate N-Perfluoroatlysisulfonyl-N-methylaminoethyl methacrylate copolymer C-14 Perfluoroatlysisulfonyl-N-methylaminoethyl methacrylate copolymer C-14 Perfluoroatlysisulfonyl-N-methylaminoethyl methacrylate and 2-hydroxyethyl methacrylate monomers Carbamic acid, (4-methyl-1,3-phenylene)bis, bis2-(ethyll(fheptadecalhorooctyl)sulfonyl)aminojethyl ester Carbamic acid, (4-methyl-1,3-phenylene)bis, bis2-(ethyll(perfluoro-C4-8-alkyl))isulfonyljaminojethyl jester Carbamic acid, (4-methyl-1,3-phenylene)bis, bis2-(ethylleperfluoro-C5-8-alkyl) ester, monosodium salts Carbamic acid, [2-(sulfothio)ethyl], C-(gammaomegaperfluoro-C6-9-alkyl) ester, monosodium salts Carbamic acid, [2-(sulfothio)ethyl], C-(gammaomegaperfluoro-C6-9-alkyl) ester, monosodium salts | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated DOLYMERS Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acrylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES | 6 8 4 6 6 8 4 6 6 | 12 8 4 6 14 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141007-32-1 21055-88-9 68081-83-4 6784-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 | Butno, (ethenyloxy)-, polymer with chlorotrifluoroethyene and (ethenyloxy)-eyclobe-sane Butno, cotafluoro- Butno, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate (C-14 perfluoroally-lethyl acrylate)- Butyl acrylate, p-butyl acrylate and mercaptopropyl dimethicome monomers Carbamic acid, (4-methyl-1-3-phenylene)- Butyl acrylate (C-14 perfluoroally-lethyl acrylate and mercaptopropyl dimethicome monomers Carbamic acid, (4-methyl-1-3-phenylene)- Butyl acrylate (C-14 perfluoroally-lethyl)- Butyl acrylate (A-14 per | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated TIOLS poly/perfluorinated TIOLS poly/perfluorinated TIOLS poly/perfluorinated TIOLS | 6 8 4 6 6 8 4 6 6 6 6 7 | 12 8 4 6 14 8 8 8 6 9 6 |
| 89461-132 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 93370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 93894-74-7 | Butanol, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)cyclohexane Butano, cotafluoro- Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and etherophylene, polymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, polymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, polymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, polymer of 2-(perfluorok), polymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carlamic acid, (4-methyl-1-3-phenylene)bis-, bid2-(ethyl(perfluoro-C4-8-alkyl)) sulfonyl jaminojethyl] ester Carlamic acid, (4-methyl-1-3-phenylene)bis-, bid2-(ethyl(perfluoro-C4-8-alkyl)) sulfonyl jaminojethyl] ester Carlamic acid, (2-(allfothio)ethyl)(3-3.4.4.5.5.6.6.7.7.8.8.4 tridecafluorooctyl). C-ethyl ester. sodium salt Carlamic acid, (2-(allfothio)ethyl)(3-3.4.4.5.5.6.6.7.7.8.8.8 -tridecafluorooctyl) ester, monoodium salt Carlamic acid, (4-methyl-3-((2-methyl-1-ariridinyl)carbonyl)aminojethoyl); 2-([3.3.4.4.5.5.6.6.7.7.8.8.9,10,10,11-2;1.2.1.2-eicosafluoro-1-(rifluoromethyl)dedecyl)thioj-1-[[[3.3.4.4.5.5.6.6.7.7.8.8,9,10,10,11,1.2,1.2.1.2-eicosafluoro-1-(rifluoromethyl)cdecyl)thioj-1-[[[3.3.4.4.5.5.6.6.7.7.8.8,9,10,10,11,1.2,1.2-eicosafluoro-1-(rifluoromethyl)cdecyl)thioj-1-[[[3.3.4.4.5.5.6.6.7.7.8.8,9,10,10,11,1.2,1.2-eicosafluoro-1-(rifluoromethyl)cdecyl)thioj-1-[[[3.3.4.4.5.5.6.6.7.7.8.8,9,10,10,11,1.2,1.2-eicosafluoro-1-(rifluoromethyl)cdecyl)thioj-1-[[[3.3.4.4.5.5.6.6.7.8.8.9-dodecafluoro-7-(rifluoromethyl)ccyl)t | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (methiacrylate polymers Fluorinated (methiacrylate polymers Fluorinated (methiacrylate polymers OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS Fluorinated (methiacrylate polymers polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated TIOLS N-alkyl perfluoronalkyl sulfonamides (FASAs) | 6 8 4 6 6 6 8 4 6 6 6 6 | 12 8 4 6 14 8 8 6 9 6 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 93370-51-7 82199-07-3 53122-42-2 72779-04-5 93894-74-7 94313-84-5 | Butno, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)cyclohexane Butno, cotafluoro- Butno, cotafluoro- Butyl acrylate modified edylene and chlorotrifluoroethylene, polymer Butyl acrylate modified edylene and chlorotrifluoroethyl methacrylate copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate N-Perfluoroetylsulfonyl N-methylaminoethyl methacrylate copolymer Cal Perfluorinated surfactant C6-14 Perfluoroalkylethyl Acrylate/HEMA Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbania caid, (4-methyl-1-3-phenylene)bis, bis-12-elhyl(heptadecafluorocyl)sulfonyl) inminolphyl ester Carbania caid, (2-(sulfothio)ethyl)(3,3,4,4,5,5,6,6,7,8,8,8-tridecafluorocyl), Cethyl ester, sodium salt Carbania caid, (2-(sulfothio)ethyl)(2-(agman,-omega,-perfluoro-C6-9-alkyl) ester, sodium salt Carbania caid, (2-(sulfothio)ethyl)(-C4,33,4,4,5,5,6,7,8,8,8-tridecafluorocyl) ester, monoodium salts Carbania caid, (2-(sulfothio)ethyl)-2-(3,3,4,4,5,5,6,7,8,8,8-tridecafluorocyl) ester, monoodium salts Carbania caid, (4-methyl-3-l[(2-methyl-1-arizidinyl)carbonyl]aminolphenyl], 2-2[(3,3,4,5,5,6,6,7,8,8,8-doceafluoro-9-(trifluoromethyl)decyl]thiol-1-[[(3,3,4,4,5,6,6,7,8,8,9,1(0,1),1,1,2,1,2],2-ciocsafluoro-1-(trifluoromethyl)cecyl]thiol-1-[[(3,3,4,4,5,6,6,7,8,8,9,1(0,1),1,1,2,1,2],2-ciocsafluoro-1-(trifluoromethyl)cecyl]thiol-1-[[(3,3,4,4,5,6,6,7,8,8,9,1(0,1),1,1,2,1,2],2-ciocsafluoro-1-(trifluoromethyl)cecyl]thiol-1-[[(3,3,4,4,5,6,6,7,8,8,9,1(0,1),1,1,2,1,2],2-ciocsafluoro-1-(trifluoromethyl)cecyl)thiol-1-[[(3,3,4,4,5,6,6,7,8,8,9,1(0,1 | polyperfluorinated POLYMERS polyperfluorinated ALKANES/ALKENES polyperfluorinated POLYMERS Fluorinated (methacrylate polymers Fluorinated (methacrylate polymers Fluorinated (methacrylate polymers OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS Fluorinated (methacrylate polymers polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated URETHANES polyperfluorinated URETHANES polyperfluorinated URETHANES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS Nalkyl perfluorinated TIOLS Nalkyl perfluorinated INOLS Nalkyl perfluorinated Sulfonamides (FASAs) Nalkyl perfluoroalkyl sulfonamides (FASAs) | 6 8 4 6 6 8 4 6 6 6 6 7 | 12 8 4 6 14 8 8 6 9 6 9 10 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 93384-74-7 94313-84-5 72968-38-8 277-138-5 | Butno, (ethenyloxy), polymer with chlorotrifluoroethylene and (ethenyloxy)sychohexane Butno, cotafluoro- Butny tarylate modified ethylene and chlorotrifluoroethylene, polymer Butyl arrylate Medical ethylene and chlorotrifluoroethylene, polymer Butyl arrylate Perfluoroallylethyl arrylate interaction of the perfluoroallylethyl Arrylate Plant Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyli)) ethyl arrylate and 2-hydroxyethyl methacrylate monomers Carbania caid, (4-methyl-1-3-phenylene)bis, bis2-{ethyll(heptadecafluorocyty)-bifopyl)aminojethyl] ester Carbania caid, (4-methyl-1-3-phenylene)bis, bis2-{ethyll(perfluoro-C48-alkyly)alminojethyl] ester Carbania caid, (2-sulfothio)ethyll; (3-3,4,5,5,6,6,7,8,8,8-midecafluorocyty)- Cethyl ester, sodium salt Carbania caid, (2-sulfothio)ethyll; (3-3,4,5,5,6,6,7,8,8,8-midecafluorocyty)- Cethyl ester, sodium salt Carbania caid, (4-methyl-3-[(2-methyl-1-zarirdiny)carbonyl]aminojethyl) ester, monosodium salt Carbania caid, [4-methyl-3-[(2-methyl-1-zarirdiny)carbonyl]aminojethyl) ethyl ester, monosodium salt Carbania caid, [4-methyl-3-[(2-methyl-1-zarirdiny)carbonyl]aminojethyl), 2-[[3,3,4,5,5,6,6,7,8,8,9,10,10,11-2,12,2-cicosafluoro-1-(trifluoromethyl)decyl]thioj-1-[[[3,3,4,5,5,6,7,8,8,9,10,10,11,2,12,12-cicosafluoro-1-(trifluoromethyl)cetyl]thioj-1-[[[3,3,4,5,6,6,7,8,8,9,10,10,11,12,12,12-cicosafluoro-1-(trifluoromethyl)cetyl]thioj-1-[[[3,3,4,5,5,6,7,8,8,9,10,10,11,2,12,12-cicosafluoro-1-(trifluoromethyl)cetyl]thioj-1-[[[3,3,4,5,6,6,7,8,8,9,10,10,11,2,12,12-cicosafluoro-1-(trifluoromethyl)cetyl]thioj-1-[[[3,3,4,5,6,6,7,8,8,9,10,10, | poly/perfluorinated POLYMERS poly/perfluorinated ALKANES/ALKENES poly/perfluorinated POLYMERS Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers Fluorinated (meth)acylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated TIOLS poly/perfluorinated TIOLS poly/perfluorinated TIOLS N-alkyl perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated TIOLS N-alkyl perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/per | 6 8 4 6 6 8 4 6 6 6 6 7 | 12 8 4 6 14 8 8 6 9 6 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72798-04-6 93894-74-7 94313-84-5 72968-38-8 277-138-5 160476-36-8 | Butnot, (ethenyloxy)-, polymer with chlorotrifluoroethen and (ethenyloxy)-eyclobexane Butnot, oxfafluoro- Butny acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate modified ethylene and chlorotrifluoroethylene, polymer Butyl acrylate (Cel-14 perfluoroally)-glothyl acrylate-Nerfluorotyl-glothyl acrylate-Nerfluorotyl-glothyl acrylate-Nerfluorotyl-glothyl acrylate-Nerfluorotyl-glothyl acrylate-Nerfluorotyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-methyl-glothyl-gl | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated TIOLS polyiperfluorinated TIOLS Nalkyl perfluorinated TIOLS Nalkyl perfluorinated TIOLS Nalkyl perfluorinated TIOLS Nalkyl perfluorinated TIOLS polyiperfluorinated TIOLS Nalkyl perfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated TIOLS Nalkyl perfluorinated TIOLS polyiperfluorinated TIOL | 6 8 4 6 6 8 4 6 6 6 6 7 | 12 8 4 6 14 8 8 6 9 6 9 6 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 93894-74-7 94313-84-5 72968-38-8 277-138-5 160476-36-8 172074-63-4 | Butno, (ethenyloxy)-, polymer with chlororithororethem and (ethenyloxy)-cyclohexane Butno, cotafluoro- Butno, cotafluoro- Butyl acrylate modified ethylene and chlororithororethylene, polymer Butyl acrylate modified ethylene and chlororithororethyl methacrylate copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercaptopropyl dimethicone monomers Butyl acrylate-N-Perfluororitylsulfonyl-N-methylaminoethyl methacrylate copolymer Cal Perfluorinated surfactant C6-14 Perfluorated surfactant C6-14 Perflu | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (methicerylate polymers Fluorinated (methicerylate polymers Fluorinated (methicerylate polymers OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS Fluorinated (methicerylate polymers polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated TIOLS Nallyi perfluorinated SULFONAMIDES polyiperfluorinated TIOLS Nallyi perfluorinated TIOLS Nallyi perfluorinated TIOLS Nallyi perfluorinated TOLS polyiperfluorinated TOLYMERS | 6 8 4 4 6 6 6 6 6 6 9 110 7 8 8 8 7 7 | 12 8 4 6 14 8 8 6 9 6 9 6 10 7 8 8 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 6784-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 7279-05-6 93894-74-7 9431-84-5 72968-38-8 277-138-5 160476-36-8 172074-64-4 71608-45-2 | Butno, (ethenyloxy)-, polymer with chlororifluoroschylene and (ethenyloxy)-ycylohexane Butno, cotaflaoro- Butno, cotaflaoro- Butyl acrylate modified ethylene and chlororifluoroschylene, polymer Butyl acrylate modified ethylene and chlororifluoroschylene, polymer Butyl acrylate (6-64 perfluorously-lethyl acrylate)- Butyl acrylate (6-64 perfluorously-lethyl acrylate)- Butyl acrylate (6-64 perfluorously-lethyl acrylate)- Butyl acrylate (6-64 perfluorously-lethyl)- Butyl Butyl acrylate (| poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS Poly/perfluorinated POLYMERS Pluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acrylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated TIOLS poly/perfluorinated ARBOXYLIC ACIDS poly/perfluorinated ARBOXYLIC ACIDS poly/perfluorinated POLYMERS poly/perfluorinated TIOLS | 6 8 4 6 6 8 4 6 6 6 6 7 | 12 8 4 6 14 8 8 8 6 9 6 9 10 7 8 8 8 |
| 89461-132 11070-669 213188-00-2 50937-967 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 93894-74-7 94313-84-5 7208-83-8 277-138-5 160417-63-68 172074-63-4 | Butono, (ethenyloxy)-, polymer with chlorastrilluorosethene and (ethenyloxy)cyclohexune Buton contiliatoro Butyl acrylate C6-14 perfluoroalkylethyl acrylate modified othylene and chlorostrilluorosethylene, polymer Buyl acrylate C6-14 perfluoroalkylethyl acrylate inercuptopropyl dimethicone copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercuptopropyl dimethicone monomers Buyl acrylate C6-14 perfluoroalkylethyl acrylate inercuptopropyl dimethicone copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-butyl acrylate and mercuptopropyl dimethicone monomers C6-14 Perfluoroalkylethyl Acrylate/HEMA Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phonylace)his, his[2-[ethyl[(heptadecafluoroxyt)) hullinyl]jaminojethyl] ester Carbanic acid, (4-methyl-1-3-phonylace)his, his[2-[ethyl[(heptadecafluoroxyt)) hullinyl]jaminojethyl] ester Carbanic acid, (2-(uilfothio)ethyl), C4-(gamma-omega-perfluoro). C4-ethyl ester, sodium salt Carbanic acid, [2-(uilfothio)ethyl], C4-(gamma-omega-perfluoro). C4-ethyl ester, sodium salt Carbanic acid, [2-(uilfothio)ethyl], C4-(gamma-omega-perfluoro). C4-ethyl ester, mononodium salts Carbanic acid, [2-(uilfothio)ethyl], C4-(gamma-omega-perfluoro). C4-ethyl ester, mononodium salts Carbanic acid, [4-methyl-3-[(2-methyl-1-aziridinyl)parbonyl]aminojphenyl], 2-[(3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-9-(trifluoromethyl)decyl]thio]-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-9-(trifluoromethyl)decyl]thio)-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-9-(trifluoromethyl)decyl]thio]-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-7-(trifluoromethyl)decyl]thio]-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-7-(trifluoromethyl)decyl]thio]-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-7-(trifluoromethyl)decyl]thio]-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadecafluoro-7-(trifluoromethyl)decyl]thio]-1-[([3.3.44.55.66.77.8.8.9,10.10.11-bexadec | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (methicerylate polymers Fluorinated (methicerylate polymers Fluorinated (methicerylate polymers OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS Fluorinated (methicerylate polymers polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated TIOLS Nallyi perfluorinated SULFONAMIDES polyiperfluorinated TIOLS Nallyi perfluorinated TIOLS Nallyi perfluorinated TIOLS Nallyi perfluorinated TOLS polyiperfluorinated TOLYMERS | 6 8 4 4 6 6 6 6 6 6 9 110 7 8 8 8 7 7 | 12 8 4 6 14 8 8 6 9 6 9 6 10 7 8 8 8 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 93894-74-7 94313-84-5 72968-38-8 17207-46-34 171608-45-2 | Butno, (ethenyloxy), polymer with chlororifluoroschylene and (ethenyloxy)cylohexane Butno, cotaflaoro Butyl acrylate modified ethylene and chlororifluoroschylene, polymer Buyl acrylate modified ethylene and chlororifluoroschylene, polymer Buyl acrylate (6-44 perfluoroalkylethyl acrylate intercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate, n-buyl acrylate and mercaptopropyl dimethicone monomers Buyl acrylate (6-44 perfluoroalkylethyl acrylate) intercaptopropyl dimethicone monomers Buyl acrylate (6-44 perfluoroalkylethyl acrylate) intercaptopropyl dimethicone monomers C4 Perfluoroalkylethyl Acrylate(FIEMA Copolymer is a copolymer of 2-(perfluoro(C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (4-methyl-1-3-phenylene)bis, bis[2] ethyl[(perfluoro-C6-14 alkyl)) ethyl acrylate and 2-hydroxyethyl methacrylate monomers Carbanic acid, (2-(aulfothio)ethyl)[3,3,44,5,5,6,7,7,8,8-ridecalluoroocyty), C-ethyl ester, sodium salt Carbanic acid, [2-(aulfothio)ethyl], C4,3,3,43,5,5,6,7,7,8,8-ridecalluoroocyty) ester, monosodium salts Carbanic acid, [2-(aulfothio)ethyl], C4,3,4,4,5,5,6,7,7,8,8-ridecalluoroocyty) ester, monosodium salts Carbanic acid, [4-methyl-3-l[(2-methyl-1-zaridinyl)carbonyl]minolphonyl], 2-(13,3,4,4,5,5,6,7,7,8,9,10,10)-bexadecalluoro-9-(trifluoromethyl)decyl)hio]-1-[[3,3,4,4,5,5,6,7,7,8,9,10,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)decyl)hio]-1-[[3,3,4,5,5,6,7,7,8,9,10,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1-[[3,3,4,5,5,6,7,7,8,9,10,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1-[[1,3,4,5,5,6,7,7,8,9,10,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1-[[1,3,4,5,5,6,7,7,8,9,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1-[[1,3,4,5,5,6,7,7,8,9,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1-[[1,3,4,5,5,6,7,7,8,9,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1-[[1,3,4,5,5,6,7,7,8,9,10],11,2,1,2,2-eicosafluoro-1-(rifluoromethyl)caryl)hio]-1- | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS Poly/perfluorinated POLYMERS Pluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Fluorinated (meth)acrylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated TIOLS poly/perfluorinated ARBOXYLIC ACIDS poly/perfluorinated ARBOXYLIC ACIDS poly/perfluorinated POLYMERS poly/perfluorinated TIOLS | 6 8 4 4 6 6 6 6 6 6 9 110 7 8 8 8 7 7 | 12 8 4 6 14 8 8 8 6 9 6 9 10 7 8 8 8 |
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| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 93894-74-7 94313-84-5 72968-38-8 277-138-5 16047-63-6 172074-63-4 71608-45-2 71608-44-1 71608-44-1 | Buten, cotalisoro- Buten, cotali | polyiperfluorinated POLYMERS polyiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS Fluorinated (methacrylate polymers Fluorinated (methacrylate polymers Fluorinated (methacrylate polymers Fluorinated (methacrylate polymers OTHER polyiperfluorinated ORGANICS OTHER polyiperfluorinated ORGANICS Theorinated (methacrylate polymers polyiperfluorinated SULFONAMIDES polyiperfluorinated SULFONAMIDES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated URETHANES polyiperfluorinated TIOLS polyiperfluorinated TIOLS N-alkyl perfluorinated TIOLS N-alkyl perfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated TIOLS polyiperfluorinated CARBOXYLIC ACIDS polyiperfluorinated POLYMERS polyiperfluorinated POLYMERS polyiperfluorinated POLYMERS polyiperfluorinated TIOLS | 6 8 4 6 6 6 8 9 10 7 7 8 8 8 7 7 8 8 8 8 8 8 | 12 8 4 6 14 8 8 6 9 6 9 10 7 8 8 8 13 |
| 89461-13-2 11070-66-9 213188-00-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-05-6 93894-74-7 94313-84-5 72968-38-8 172074-63-4 71608-45-2 71608-44-1 71608-45-2 71608-46-3 68891-96-3 | Buten, citaliuros Buten, citaliuros Buten, citaliuros Butyl acystaer Ontific delyden and chiocerifilurorechylene, polymer Buyl acystaer Co-14 perfunorally lethyl acystaer-inercaptopropyl dimethicone copolymer is a copolymer of 2-(perfluoro(Co-14 alkyl)) ethyl acystae, n-buyl acystaer dimercaptopropyl dimethicone monomers Buyl acystaer-Nerthonocryslutinopi-N-methyl luminochyl methacystae copolymer Co-14 Perfunoralist surfactant Co-14 Perfunoralist surfactant Co-14 Perfunoralist surfactant Co-14 Perfunoralist patric | polyperfluorinated POLYMERS polyperfluorinated POLYMERS Polyperfluorinated POLYMERS Pluorinated (methacrylate polymers Pluorinated (methacrylate polymers Pluorinated (methacrylate polymers Pluorinated (methacrylate polymers OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS Pluorinated (methacrylate polymers polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated SULFONAMIDES polyperfluorinated URETHANES polyperfluorinated URETHANES polyperfluorinated URETHANES polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated TOLS Nalkyl perfluorinated TOLS Nalkyl perfluorinated TOLS Nalkyl perfluorinated Sulfonamides (FASAs) polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated TOLS | 6 8 4 4 6 6 6 6 6 9 10 7 7 8 8 8 8 8 8 8 8 8 | 12 8 4 6 14 8 8 8 6 9 6 9 10 7 8 8 8 13 |
| 89461-13-2 11070-66-9 213188-60-2 50937-96-7 172616-04-5 141607-32-1 21055-88-9 68081-83-4 67846-66-6 95370-51-7 82199-07-3 53122-42-2 72779-04-5 72779-04-5 72779-05-6 93894-74-7 94313-84-5 72968-38-8 277-138-5 160476-36-8 172074-63-4 71608-45-2 71608-46-3 68900-97-0 | Button, cofalorors Button, and compared to the perfluence planting of the perfluen | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS Poly/perfluorinated ALKANES/ALKENES poly/perfluorinated DOLYMERS Pluorinated (meth)acylate polymers Pluorinated (meth)acylate polymers Pluorinated (meth)acylate polymers OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS Pluorinated (meth)acylate polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated URETHANES poly/perfluorinated TOLS poly/perfluorinated TOLS Nelkyl perfluorinated TOLS poly/perfluorinated TOLS poly/perfluorinated TOLS poly/perfluorinated TOLS poly/perfluorinated TOLS poly/perfluorinated TOLS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated TOLS poly/perfluorinate | 6 8 4 4 6 6 6 6 6 9 10 7 7 8 8 8 8 8 8 8 8 8 | 12 8 4 6 14 8 8 6 9 6 9 10 7 8 8 8 13 |

| 68891-99-6 | Chromium, diaquatetrachloro[.mu{N-ethyl-N-{(undecafluoropentyl)sulfonyl]glycinato-O1:O1]}mu-hydroxybis(2-propanol)di- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
|------------------------|---|--|----|------|
| 97298-47-0 | Chromium, hexachloro[.mu[N-[(heptadecafluorooctyl)sulfonyl]-N-methylglycinato-Ol-Ol'][di-muhydroxytri-, cyclo | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 72869-27-3 | Chromium, N-[2,2,33,44,5,5,6,6,7,8,8,9,10,10,11,12,12,12-docoxafluoro-1-oxo-11-(trifluoromethy))dekcyl[glycine N-[2,2,3,3,4,4,5,5,6,7,8,8,9,10,10,10-cradecafluoro-1-oxo-9-(trifluoromethy))decyl[glycine N-[2,2,3,3,4,5,5,6,7,8,8,9,10,10,10-cradecafluoro-1-oxo-9-(trifluoromethy))decyl[glycine N-[2,2,3,3,4,5,5,6,7,8,8,9,10,10,10-cradecafluoro-1-oxo-9-(trifluoromethy))decyl[glycine N-[2,2,3,3,4,5,5,6,7,8,8,9,10]] and the second of the se | poly/perfluorinated AMINES | 7 | |
| 3709-70-4 | Cis-Perfuor and Cis-Perfuor Compress Cis-Perfuor Cis-Perfuor Compress Cis-Perfuor Cis-Perfuor Compress Cis-Perfuor Cis-Perf | noly/perfluorinated ALKANES/ALKENES | - | - 11 |
| 162567-74-0 | Complex mixture of phosphoric acid esters and perfluoropolymethylisopropyl ether | poly/perfluorinated PHOSPHOORGANICS | 3 | , |
| 102307-74-0 | compare menus or productors were concerning per menuniprody a const | potypernuorinateu Priostrio Oko Anics | | |
| 143336-91-8 | Copoly[2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 2,2-bis[4-(4-aminophenoxy)phenyl]propane, 3,2-bis[4-(4-aminophenoxy)phenyl]propane, 3,2-bis[4-(4-aminophenoxy)phenyl]propane, 3,2-bis[4-(4-aminophenoxy)phenyl]propane, 4,4-fil-aminophenoxyphenyl]propane, 4,4-fil-aminophenoxyphenyl]pr | poly/perfluorinated POLYMERS | 3 | 3 |
| 151402-74-3 | Cooxiv12_bis14(4-aminonhenoxy)nhenv[broonase, 22-bis14(4-aminonhenoxy)nhenv[broonase, 22-bis14(4-aminonhenoxy)nhenv]horouse, 22-bis14(4-aminonhenoxy)nhenv[broonase, 22-bis14(| | _ | |
| 151402-74-3 | | poly/perfluorinated POLYMERS | 3 | 3 |
| | Copolymer formed of methoxy PEG-23 methacrylate, perfluorooctyl ethyl acrylate, and one or more monomers of acrylic acid, methacrylic acid or one of their simple esters Copolymer of 2.3-enoxyrrooyl methacrylate, octadecyl acrylate and 2[perfluoroalkyl(C4-14)]ethyl acrylate | Fluorinated (meth)acrylate polymers | 8 | 8 |
| 503284-73-9 | THE STATE OF THE S | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 504396-13-8 | Copolymer of 2-{N-ethylperfluoroalkane(C 4-8)sulfonamido ethyl methacrylate and α-acryloyl-α-methoxypoly(n 10-25)(oxyethylene) | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 515152-55-3 | Copolymer of 2-hydroxyethyl methacrylate, q-acryloyl-o-hydroxypoly(n 6-8)(oxyethylene) and 2-[perfluoro[n-alkyl(C 6,8,10,12,14)]} ethyl acrylate (insoluble in water, acid and alkali also containing 1% or less of component having less than 1,000 of molecula | Fluorinated (meth)acrylate polymers | 6 | 14 |
| 503287-56-7 | Copolymer of acryfonitrile, N-(butoxymethyl)acrylamide, a-methacryloyl-omethacryloyl-oynethylene), a-methacryloyl-o-methoxypoly (oxyethylene) and 2-[perfluoroalkyl(C 4-14)]ethyl acrylate | Fluorinated (meth)acrylate polymers | 4 | 14 |
| | | | | |
| 511271-18-4 | Copolymer of chloroethene, N-hydroxymethylacrylamide and 2-{perfluoro-n-allyl/C6,8,10,12,14}]ethyl acrylate (insoluble in water, acid and alkali also containing 1% or less of component having less than 1,000 of molecular weight) | Fluorinated (meth)acrylate polymers | 6 | 14 |
| 503296-97-7 | Copolymer of cis-methylbutenedioic acid, octadecyl acrylate, 2-perfluoro-nalkyl/C 6,8,10,12,14)ethyl acrylate and styrene (insoluble in water, acid and alkali also containing 1% or less of component having less than 1,000 of molecular weight) | Fluorinated (meth)acrylate polymers | 6 | 14 |
| 511271-19-5 | Copolymer of cyclohexyl methacrylate, 2,3-epoxypropyl methacrylate and 2[perfluoro-[n-alkyl[C 4-14]]]ethyl acrylate | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 510732-38-4 | Copolymer of cyclohexyl methacrylate, maleic anhydride, 2-fperfluoroln-alkyl(C 4.6.8.10.12.14) lethyl) acrylate and 2.4.6-tris/allyloxy)-1.3.5-triazine | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 510733-10-5 | Copolymer of ethylene dimethacrylate, 2-hydroxyethyl acrylate, a-hydroxy-omethacrylox/poly/n 1-10/(oxyethylene-co-oxypropylene), octadecyl acrylate and 2-perfluoroalkyl(C 4-14)ethyl acrylate | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 510/55 10 5 | The state of the s | | * | 14 |
| 503299-50-1 | Copolymer of ethylene methacrylate N-{(5-{([[(1-methylpropylidene)amino]oxy} carbonyl)amino]-1.3.3-trimethylcyclobexyl]methyl;carbamate, 2-ethylbexyl acrylate, 2-bydroxyethyl acrylate and 2-[perfluoro-n-alkyl(C 4-14)]ethyl acrylate | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 202875-75-0 | Copolymer of N-(3.4-dichlorophenyl)maleimide, 2-{perfluoron-alkyl(C4.6.8,10,12,14)}ethyl methacrylate and sodium 4-vinylbenzenesulfonate (insoluble in water, acid and alkali also containing 1% or less of component having less than 1,000 of molecular we | Fluorinated (meth)acrylate polymers | 4 | 14 |
| 202873-73-0 | Colonius or a few areas observations and the device of the few areas of combonets in a single device of the few areas of combonets in a single device of the few areas of combonets in a single device of the few areas of combonets in a single device of the few areas of combonets in a single device of the few areas of the few area | Finormated (meth)acrytate polymers | 4 | 14 |
| 503299-29-4 | Copolymer of n-alkyl(C 14-24) methacrylate, cyclohexyl methacrylate, ethylene methacrylate N-(15-[[([1-methylpropylidene)amino]oxy] carbonyl)amino]-1,3,3trimethylcyclohexyl] methyl)carbamate, 2-bydroxyethyl acrylate, 2-[perfluoro-nalkyl(C 4-14)]ethyl acryl | Fluorinated (meth)acrylate polymers | 4 | 14 |
| | | | | |
| 510732-48-6 | Copolymer of octadecyl methacrylate and 2-[perfloror(n-alkyl/C 6.8.10,12,14 mixture)] ethyl acrylate (insoluble in water, acid and alkali also containing 1% or less of component having less than 1,000 of molecular weight) | Fluorinated (meth)acrylate polymers | 6 | 14 |
| 147026-01-5 | COPOLYMER OF TETRAFLUOROETHYLENE AND PERFLUOROETHYL VINYL ETHER | poly/perfluorinated POLYMERS | 2 | 2 |
| 93611-23-5 | Copolymer of tetrafluoroethylene/nexafluoropropene/nonafluorobutyl trifluorovinyl ether (a number-average molecular weight is not less than 1,000 and the polymer is insoluble in water, lipid soluble solvent, usual solvent, acid and alkali) | Polytetrafluoroethylene (PTFE) | 4 | 4 |
| 29763-53-9 | Copper, [C,C,C.C-tetrakis(pentadecafluoroheptyl)-29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]- | OTHER poly/perfluorinated ORGANICS | 7 | 7 |
| 32755-72-9 | Cyanic acid, [2,2,2-trifluoro-1-(trifluoromethy)ethylidene]di-4,1-pbenylene ester, homopolymer | poly/perfluorinated POLYMERS | | |
| 2994-71-0 221-065-3 | Cyclobutane, 1,1,2,2,3,4-hexafluoro-3,4-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 13221-71-1 | Cyclobutan, 11.2.3.3.4-bexafluor-2.4-bis/trifluoromethyl- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 1583-98-8 | Cyclobutane, 1,1,2,3,3,4-hexafluoro-2,4-bis(trifluoromethyl)-, trans- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 28677-00-1 | Cyclobutane, hexafluorobistrifluoromethy) | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 115-25-3 204-075-2 | Cyclobratine, oxtafluoro- | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 378-17-6 | -y-sources, seamont, 2-2,3-4-strafluoro- | poly/perfluorinated ALKANES/ALKE/NES poly/perfluorinated ALKOHOLS | 4 | 4 |
| 697-11-0 | Cyclohuten headron- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 697-11-0 84808-64-0 | -y-sonome, n-sonome, property of the sonome | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 4 | 10 |
| 306-98-9 206-195-0 | Cyclobeane, 1,22,3,44,5,6-decalmov-0-j2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2- | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 3 | 10 |
| 335-27-3 206-386-9 | Systokama, 1,122,33,45,56 decanturor-4,6-bic (more more) | poty/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| | Syconomic, 1,122,3,44,556 examinor-3,6-bic (minority) | | 8 | |
| 374-77-6 | • | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 374-76-5 | Cyclohexane, 1,1,2,3,3,5,5,6-nonafluoro-2,4,6-tris(trifluoromethyl)- Cyclohexane, desafluoro-is(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 9 | 9 |
| 26637-68-3 | | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 355-68-0 206-591-3 | Cyclokane, dodecafluoro- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 308-24-7 | Cyclokane, undecafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 355-02-2 206-573-5 | Cyclokane, undecafluoro(trifluoromethy)- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| 374-60-7 | Cyclohexane, undecafluoro-, (nonafluorobuly1)- | poly/perfluorinated ALKANES/ALKENES | 4 | 6 |
| 84238-52-8 | Cyclohexane, undecafluoro-, mono(perfluoro-C18-11-alikyl) derivs. | OTHER poly/perfluorinated ORGANICS | 11 | 18 |
| 6588-63-2 | Cyclohexanecarbonyl fluoride, undecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 28788-68-3 | Cyclohexanemethanol, 1,2,2,3,3,4,5,5,6,e-undecafluoro- | poly/perfluorinated ALKOHOLS | 6 | 6 |
| 170442-59-8 | Cyclohexanemethanol, 4-[(ethemyloxy)methyl]-, polymer with chlorotrifluoroethene, (ethemyloxy)eyclohexane, alpha-[[4-[(ethemyloxy)methyl]-;omega-hydroxypoly(oxy-1,2-ethanediyl) and ethoxyethene | poly/perfluorinated POLYMERS | | |
| 335-24-0 | Cyclobexaneancalininininininininininininininininininin | poly/perfluorinated POL1 MERS poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 67584-42-3 266-724-6 | Cyclohexanesulfonic acid, decafluoro/pentafluoroethyl)-, potassium salt | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 68156-01-4 | Cyclohexanasanian sia acid, nonalnorobis(trifluoromethy)-p. potassium and (1:1) | noly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 9 |
| 3107-18-4 | Cyclohexamenulinoine acid, undensulturore, potassimi and cit.// Cyclohexamenulinoine acid, undensulturore, potassimi and cit.// | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| 68156-06-9 | Systomicanicamion, actor, unaccamiore, potassium sair Cyclobicamiony fluorido, designor operation of the control of the contro | poly/perfluorinated SULFONIC/SULFINIC ACIDS poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 68318-34-3 | cyconexansumony monte, uccannotocycannotechyl- Cyclobexansicannoty monte, uccannotocycannotechyl- Cyclobexansicannoty monte, uccannotocycannotechyl- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 7 | 7 |
| 68156-00-3 | Systomassissimity intoria, tecamonocumionicity Cyclobacussissimity fluoride, promotionicity Cyclobacussissimity fluoride, promotionicity fluoride, | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 8 | 8 |
| | Cyclobeanesultory liberade, nonalinorobic(rithuromethy)- Cyclobeanesultory liberade, nonalinorobic(rithurome | | 8 | 8 |
| 355-03-3 | | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 336-19-6 206-408-7 | Cyclokeme, 1.2 dichloro-3.3.4.4.5.5.6.6-extafluoro- | poly/perfluorinated ALKANES/ALKENES | 4 | 4 |
| 355-75-9 206-592-9 | Cyclokene, deafloro- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 15290-77-4 430-710-1 | Cyclopentans, 1,1,2,2,3,4-heptafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 376-77-2 | Cyclopentane, decafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 1805-22-7 217-298-5 | Cyclopentane, nonafluoro(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| | | | | |

| 1759-63-3 | Cyclopentene, 1-chloro-2-3,3,44,5-5-heptafluoro- | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
|---|--|--|--|--|
| 559-40-0 209-203-0 | Cyclopentene, octafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 68227-20-3 | Cyclotetrasiloxane, octamethyl-, polymer with 1,3-diethenyl-1,1,3,3-tetramethyldisiloxane, hexamethyldisiloxane and 2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane | poly/perfluorinated POLYMERS | | |
| 26702-40-9 | Cyclotrisiloxane, 2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)-, homopolymer | poly/perfluorinated POLYMERS | | |
| 70024-87-2 | Cyclotrisiloxane, 2.4,6-trimethyl-2.4,6-tris(3.3,3-trifluoropropyl)-, homopolymer, sodium-terminated | poly/perfluorinated POLYMERS | | |
| 69155-44-8 | Cyclotrisiloxane, 2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)-, polymer with chloroethenyldimethylsilane | poly/perfluorinated POLYMERS | | |
| | DEA-Perfluorohexyl Ethylphosphates is the diethanolamine salt of a complex mixture of esters of perfluorohexylethanol and phosphoric acid. | poly/perfluorinated PHOSPHOORGANICS | 2 | 8 |
| 68156-07-0 | Decafhoro(trifluoromethyle-velohexanesulfonic acid. potassium salt | poly/perfluorinated YUE/ONIC/SULFINIC ACIDS | 7 | 7 |
| 375-97-3 | Decare, 1,1,1,2,3,3,4,4,5,6,6,7,8,8,9,9,10,10-hendcosafluoro- | OTHER poly/perfluorinated ORGANICS | 10 | 10 |
| 423-62-1 207-030-5 | Decame, 1.1.2.3.3.4.4.5.5.6.6.7.78.8.9.9.10.10-beneirossfluoro-10-indo- | poly/perfluorinated IODIDES | 10 | 10 |
| 423-62-1 207-030-5 77117-48-7 | Decime, 1.1.2.3.4.4.5.6.6.7.1.8.bestadosumori vivoue Decime, 1.1.2.3.4.4.5.6.6.7.1.8.bestadosumori vivoue Decime, 1.1.2.3.4.4.5.6.6.7.1.8.bestadosumori vivoue | Party | 10 | 10 |
| | Occup. | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 2043-53-0 218-053-5 | | poly/perfluorinated IODIDES | 8 | 8 |
| 103188-55-2 | Deane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,9,10,10,10-icosafluoro-2,9-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 11 | 11 |
| 677-93-0 | Decare, 1,1,2,3,3,4,5,5,6,6,7,7,8,9,9,10,10-cicosafluoro-10-iodo-2-(trifluoromethyl)- | poly/perfluorinated IODIDES | 11 | 11 |
| 307-43-7 | Decane, 1-bromo-1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,9,10,10,10-beneicosafluoro- | OTHER poly/perfluorinated ORGANICS | 10 | 10 |
| 1813-83-8 | Decane, 3,3,4,4,5,5,6,7,7,8,8-dodecafluoro-1,10-diiodo- | poly/perfluorinated IODIDES | 6 | 6 |
| 307-45-9 | Decane, docosafluoro- | poly/perfluorinated ALKANES/ALKENES | 10 | 10 |
| 3658-63-7 | Decanoic acid, 2,2,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-octadecafluoro-9-(trifluoromethyl)-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 68015-85-0 | Decanoic acid. 2,2,3,3,4,4,5,6,6,7,7,8,9,10,10,10-octadecafluoro-9-(trifluoromethyl)-, compd. with ethanamine (1:1) | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 335-76-2 206-400-3 | Decanoic acid, nonadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 9 | 9 |
| 3108-42-7 | Decanoic acid, nonadecafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 3830-45-3 | Decanoic acid, nonadecafluoro-, sodium salt | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 16486-94-5 | Decanoic acid, octadecafluoro-9-(trifluoromethyl)- | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 64018-23-1 | Decanoyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- | poly/perfluorinated ALKANOYL/SHLFONYL CHLORIDE or FLHORIDES | 8 | 8 |
| 15720-98-6 | Decanovi fluoride, 2,23,3,44,5,56,6,77,8,8,9,10,10,10-ctadecafluoro-9-(trifluoromethyl)- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 10 | 10 |
| 160709-28-4 | Di[2-perfluoroalkyl(C3-18)-1-methylethyl]phthalate | OTHER poly/perfluorinated ORGANICS | 3 | 18 |
| 97388-28-8 | one permitted and the state of | OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS | 5 | 5 |
| 462996-01-6 | To Discending the disch bit (4.4.5.5.6.7.7.8.8.9) -tridecafluoronomyl) ester | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 6 |
| 462996-01-6 82551-73-8 | Ошениканомун; ж.н. чен. — 3,00,1 (3,0,0,7) — чисканомун (зент D) — Воск маке до | poly/perfluorinated CARBOXYLIC ACIDS poly/perfluorinated ALKANES/ALKENES | | 6 |
| 0.2001 10 0 | | | 4 | 8 |
| 137338-39-9 | D-Block wazes (CnP2-a1 (mH2m+1) mp=58-65 grC | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 137338-40-0 | DI-Block wazes (CnF2+1CmH2m+1) np=58-65 g/C | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 137338-41-1 | DI-Block waxes (CnF2+1CmH2m+1) mp=58-65 grC | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| | | | | |
| | Diester of isostearic acid and polyperfluoroethoxymethoxy difluoroethyl PEG ether | poly/perfluorinated POLYMERS | | |
| | | | 2 | 8 |
| 200012.65.6 | Diethylaminoethyl Methacrylate/HEMA/Perfluorohexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate | Fluorinated (meth)acrylate polymers | 2 | 8 |
| 200013-65-6 | Diehylaminoethyl Methacrylate/HEMA/Perfluorohexylethyl Methacrylate (Cosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate dat is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene | Fluorinated (meth)acrylate polymers poly/perfluorinated POLYMERS | 2 | 8 |
| 94237-17-9 | Diethylaminoethyl Methacrylate (HEMA), and perfluorohexylethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymer. Disiloxane, 1,1-dichloro-3,3,3-trimethyl-1<3,3,4,4,5,5,6,6,7,7,8,8,4-tidecafluorooctyl- | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 8 |
| 94237-17-9 42977-21-9 | Diethylaminoethyl Methacrylate (HEMA), and perfluorohexylethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Mestacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Mestacrylate (HEMA), and perfluorohexylethyl methacrylate (HEM | Fluorinated (meth)acrylate polymers polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS | 6 8 | 8 6 8 |
| 94237-17-9 42977-21-9 93962-52-8 | Diethylaminoethyl Methacrylate (HEMA) and perfluorohecylethyl Methacrylate Crosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohecylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymed, oxidized tetrafluoroethylene Disilozane, 1,1-dichloro 3,3.3-trimethyl-1-(3,3.44.55.66,77.8.8.9-10.10.10-heptadecafluorodecyl) Disulfide, bis(3,3.44.55.66,77.8.8.9.9.10.10.10-heptadecafluorodecyl) Disulfide, bis(tridecafluorohexyl) | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS | 8 | 8 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 | Diethylaminoethyl Methacrylate/HEMA Perfluorobexylethyl Methacrylate (Crospolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorobexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene Distlowane, 1.1-dischloror-3.3-4rimethyl-1-(3.3.44.5.5.6.6.7.7.8.8.9-tideculluorooctyl)- Distlifich, bist(3.3.4.4.5.5.6.7.7.8.8.9.9.10,10.10-heptadecafluorodecyl) Distlifich, bist(3.3.4.4.5.5.6.7.7.8.8.9.9.10,10.10-heptadecafluorodecyl) Distlifich, bist(3.3.4.4.5.6.6.7.7.8.8.9.9.10,10.10-heptadecafluorodecyl) Distlifich, bist(3.3.4.4.5.6.6.7.7.8.8.9.9.10,10.10-heptadecafluorodecyl) | Fluorinated (methacrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TOLIS polyperfluorinated TOLIS polyperfluorinated TOLIS | 8 6 6 | 8 6 20 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 | Diethylaminoethyl Methacrylate (HEMA) perfluorohexylethyl Methacrylate (Osspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Distionane, 1,1-dichloro-3,33-trimethyl-1(3,3,4,5,5,6,6,7,8,8,4-tridecafluorocetyl-) Distifick, bis(3,3,4,4,5,5,6,6,7,8,8,9,10,10,10-heptadecafluorodecyl) Distifick, bis(7,3,4,4,5,5,6,6,7,8,8,9,10,10,10-heptadecafluorodecyl) Distificks, bis(ridecafluorohexyl) Distificks, bis(gammaomega_perfluor-Ge-20-alkyl) Docume, 1,1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22-pentatetracontafluoro-22-iodo- | Fluorinated (meth)actylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS | 8 6 6 10 | 8 6 20 10 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 | Diethylaminoethyl Methacrylate HEMA/Perfluorobexylethyl Methacrylate (Tosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorobexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Dishosphoric acid, polymers with ethoxylated Me estess of reduced polymer odiethylaminoethylene Dishosphoric acid, polymers with ethoxylated Me estess of reduced polymer odiethylaminoethylene Dishosphoric acid, polymers with ethoxylated Me estess of reduced polymer odiethylaminoethylene Dishosphoric acid, polymers with ethoxylated Me estess of reduced polymer odiethylaminoethylene Dishosphoric acid, polymers with ethoxylated Me estess of reduced polymers odiethylaminoethyl methacrylate (HEMA), and perfluorobexylate (HEMA), and perfluorobexylated that is crosslinked with PEG-3 dimethacrylate (HEMA), and perfluorobexylated HEMA), and perfluorobexylate | Plurinated (meth)actylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated DIOLS polyperfluorinated DIODES polyperfluorinated IODIDES | 8 6 6 10 20 | 8 6 20 10 20 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-60-8 206-205-3 | Diebylaminoethyl Methacrylate/HEMA/Perfluorobexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorobexylethyl methacrylate dat is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene Disilonae, 1.1-dishloroo.33,3-47inethyl-1-(3,3.44,5.5.66,77.88.89-10,10,10-beptadecafluoroocyty)- Disalfide, bix(3,3.44.5.5.66,77.88.89,9.10,10,10-beptadecafluorodecyt) Disalfide, bix(giamma-omega-perfluoro-Ce-20-alkyl) Docoane, 1,1.1.2,2.3.3.44.5.5.66,77.88.99,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,12,12,222-pentatetracontafluoro-22-iodo- Docoane, 1,1.1.2,2.3.3.44.5.5.66,77.88.99,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-bentetracontafluoro-22-iodo- Docoane, 1,1.1.2,2.3,3.44.5.5.66,77.88.99,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-bentetracontafluoro-22-iodo- Docoane, 1,1.1.2,2.3,3.44.5.5.66,77.88.99,10,11,11,12,12-pentacostafluoro-12-iodo- | Fluorinated (methacrylate polymers polyperfluorinated POLYMERS polyperfluorinated FOLYMERS polyperfluorinated SILOXANES/SILCONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated OIDIDES polyperfluorinated OIDIDES | 8 6 6 10 20 | 8 6 20 10 20 12 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29899-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 218-054-0 | Diethylaminoethyl Methacrylate/HEMA/Perfluorohexylethyl Methacrylate (Crospolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized testrafluoroethylene Distince, bist(3,34.45.5.66.77.88.89.91.01.01) heptadecafluorodecyl) Distifice, bist(3,34.45.5.66.77.88.99.10.01). Distifice, bist(3,34.45.5.66.77.88.99.10.01.01.11.11.21.21.31.31.41.41.51.51.61.61.71.71.81.81.91.92.02.02.12.12.22.21-pentatetracontafluoro-22-iodo- Docoane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.11.11.12.12.pentatesordihuoro-12-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.11.11.12.12-pentatesordihuoro-12-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.21.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES | 8 6 6 10 20 | 8 6 20 10 20 12 10 |
| 94237-17-9 42977-21-9 93962-52-8 113400-71-8 29809-36-7 263736-45-2 307-60-8 206-205-3 2043-54-1 218-054-0 3248-61-1 | Diethylaminoethyl Methacrylate (HEMA) perfluorohexylethyl Methacrylate (Cosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate data is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymid oxidized tetrafluoroethylene Disilozane, 1,1-dichlaro-3,33-trimethyl-1(3,3,44,5,5,66,77,8,8,9-10,10,10)-heptadecafluorodecyl) Distilides, bis(3,34,45,5,66,77,8,8,9,10,10,10)-heptadecafluorodecyl) Distilides, bis(agmmaomega-perfluoro-Ce20-alkyl) Docsane, 1,1,12,2,33,44,5,5,66,77,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,12,12,222-pentatetracontafluoro-22-iodo- Docsane, 1,1,12,2,3,3,44,5,5,66,77,8,8,9,10,01,11,11,2,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,2,3,3,44,5,5,66,77,8,8,9,10,01,01,11,11,2,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,2,3,3,44,5,5,66,77,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo-2-(trifluoromethyl)- | Fluorinated (methacrylate polymers polyperfluorinated POLYMERS polyperfluorinated FOLYMERS polyperfluorinated SILOXANES/SILCONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated OIDIDES polyperfluorinated OIDIDES | 8 6 6 10 20 | 8 6 20 10 20 12 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29899-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 218-054-0 | Diethylaminoethyl Methacrylate/HEMA/Perfluorohexylethyl Methacrylate (Crospolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized testrafluoroethylene Distince, bist(3,34.45.5.66.77.88.89.91.01.01) heptadecafluorodecyl) Distifice, bist(3,34.45.5.66.77.88.99.10.01). Distifice, bist(3,34.45.5.66.77.88.99.10.01.01.11.11.21.21.31.31.41.41.51.51.61.61.71.71.81.81.91.92.02.02.12.12.22.21-pentatetracontafluoro-22-iodo- Docoane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.11.11.12.12.pentatesordihuoro-12-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.11.11.12.12-pentatesordihuoro-12-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.21.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.2.2.33.44.55.66.77.88.99.91.01.01.11.11.22-pentatetracontafluoro-22-iodo- | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES | 8 6 6 10 20 12 | 8 6 20 10 20 12 10 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 218-054-0 3248-61-1 | Diethylaminoethyl Methacrylate (HEMA) perfluorohexylethyl Methacrylate (Cosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate data is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymid oxidized tetrafluoroethylene Disilozane, 1,1-dichlaro-3,33-trimethyl-1(3,3,44,5,5,66,77,8,8,9-10,10,10)-heptadecafluorodecyl) Distilides, bis(3,34,45,5,66,77,8,8,9,10,10,10)-heptadecafluorodecyl) Distilides, bis(agmmaomega-perfluoro-Ce20-alkyl) Docsane, 1,1,12,2,33,44,5,5,66,77,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,12,12,222-pentatetracontafluoro-22-iodo- Docsane, 1,1,12,2,3,3,44,5,5,66,77,8,8,9,10,01,11,11,2,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,2,3,3,44,5,5,66,77,8,8,9,10,01,01,11,11,2,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,2,3,3,44,5,5,66,77,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo- Dodecane, 1,1,12,3,3,44,5,5,6,7,8,8,9,10,01,01,11,12,12-pentaconsiluoro-12-iodo-2-(trifluoromethyl)- | Fluorinated (meth)actylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES | 8 6 10 20 12 10 13 | 8 6 20 10 20 12 10 13 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29899-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 307-59-5 | Diethylaminoethyl Methacrylate/HEMA Perfluorobexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorobexylethyl methacrylate dat is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Mee esters of reduced polymd. oxidized tetrafluoroethylene Distlocane, 1.1-dichloros-3,3-4rimethyl-1-(3,3.44,5.5.66,7.7.8.8.9.10,10,10 hepatalecafluorodecyl) Distlifice, bis(3,3.44,5.5.66,7.7.8.8.9.9,10,10,10 hepatalecafluorodecyl) Distlifices, bis(gammacomega-perfluoro-Ce-20-allyl) Docoane, 1.1.1.22,3.3.4.4.5.5.66,7.7.8.8.9.9,10,10,11,11,21,21,31,31,41,41,51,51,61,61,71,71,81,81,91,92,0,20-bentetracontafluoro-22-iodo- Docoane, 1.1.1.22,3.3.4.4.5.5.66,7.7.8.8.9.9,10,10,11,11,21,21,21,31,31,41,41,51,51,61,61,71,71,81,81,91,92,0,20-bentetracontafluoro-22-iodo- Doceane, 1.1.1.22,3.3.4.4.5.5.66,7.7.8.8.9,10,10,11,11,21,2-tetracosafluoro-12-iodo-2-(rifluoromethyl)- Docleane, 1.1.1.2,3.3.4.4.5.5.66,7.7.8.8.9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(rifluoromethyl)- Docleane, 1.1.1.2,3.3.4.4.5.5.66,7.7.8.8.9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(rifluoromethyl)- Docleane, 1.1.1.2,3.3.4.4.5.5.66,7.7.8.8.9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(rifluoromethyl)- Docleane, 1.1.1.2,3.3.4.4.5.5.66,7.7.8.8.9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(rifluoromethyl)- Docleane, 1.1.1.2,3.3.4.4.5.5.66,7.7.8.8.9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(rifluoromethyl)- | Fluorinated (meth)actylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES | 8 6 6 10 20 12 10 13 | 8 6 20 10 20 12 12 10 13 12 |
| 94237-47-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 218-054-0 3248-61-1 307-59-5 68015-87-2 | Deletylaminoethyl Methacrylate/HEMA Perfluorohexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate data is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene Distlosane, 1.1 dischlaroro, 3.3-trimethyl-1-(3.3.44.5.5.6.6.77.8.8.9-10.10,10 heptadecafluorooccyl)- Distlifich, bis(3.3.44.5.5.6.6.77.8.8.9.9.10,10,10 heptadecafluorodecyl) Distlifich, bis(3.3.44.5.5.6.6.77.8.8.9.9.10,11,11.12,12,13.13,14.14.15.15.16.16.17.17.18.18.19.19.20.20.21.21.22.22-pentatetracontafluoro-22-iodo- Docesane, 1.1.1.22.3.3.44.5.5.6.6.77.8.8.9.9.10.01.11.11.12.12.pentacosfluoro-12-iodo- Docesane, 1.1.1.22.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-pentacosfluoro-12-iodo- Docesane, 1.1.1.22.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-pentacosfluoro-12-iodo- Docesane, 1.1.1.2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-pentacosfluoro-12-iodo- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)- Docesane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)-10.11.11.12.12-terracosfluoro-12-iodo-2-(trifluoromethyl)-10.11.11.12.12.12.12-terracosfluoro- | Fluorinated (methiacrylate polymers polyperfluorinated POLYMERS robyperfluorinated FOLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated CABROXYLIC ACIDS polyperfluorinated CABROXYLIC ACIDS | 8 6 6 10 20 12 10 13 12 | 8 6 20 10 20 12 12 10 13 12 11 |
| 94237-47-9 42977-21-9 93962-52-8 118400-71-8 29809-3-6-7 26375-6-4-52 307-6-6-8 2043-3-6-4-2 3248-61-1 307-59-5 68915-87-2 16486-96-7 | Delaylaminocity! Methacrylate/HEMA/Perfluorohexylethyl Methacrylate (Crospolymer is a copolymer of diethylaminocityl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate data is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized testrafluoroethylene Distorate, 1,14,12,13,3,44,55,66,77,88,99,10,10,10 heptadecafluorooccyly- Distifice, bist(3,3,44,55,66,77,88,99,10,10,10) heptadecafluorodecyl) Distifice, bist(3,3,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,12,12,22;2-pentatetracontafluoro-22-iodo- Docoane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-hentertacontafluoro-22-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-pentaconfluoro-12-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-pentaconfluoro-12-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,2,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,12,3,3,44,55,66,77,88,99,10,10,11,11,12,12-tertaconfluor | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS | 8 6 6 10 20 12 10 13 12 11 12 | 8 6 20 110 20 12 11 13 12 11 12 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-69-8 206-205-3 2043-54-1 218-05-4 307-59-5 68015-87-2 16488-96-7 307-55-4 206-203-2 | Diethylaminocthyl Methacrylate (HEMA) and perfluorohexylethyl Methacrylate (Orsspolymer is a copolymer of diethylaminocthyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate dwith PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene Disilozane, 1,1-dichlaro-3,33-trimethyl-1(3,3,44,5,5,66,77,8,8,9-10,10,10)-heptadecafluorodecyl) Distilide, bis(3,3,44,55,66,77,8,8,9,10,10,10)-heptadecafluorodecyl) Distilides, bis(jamma:.omega.perfluoro-Ce20-alkyl) Docsane, 1,1,1,2,2,3,3,44,5,5,66,77,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,12,12,222-pentatetracontafluoro-22-iodo- Docsane, 1,1,1,2,2,3,3,44,5,5,66,77,8,8,9,10,10,11,11,12,12-pentaconsfluoro-12-iodo- Dodecane, 1,1,1,2,3,3,44,5,5,66,77,8,8,9,10,10,11,11,12,12-pentaconsfluoro-12-iodo- Dodecane, 1,1,1,2,3,3,44,5,5,66,77,8,8,9,10,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, 1,1,1,2,3,3,4,5,5,66,77,8,8,9,10,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, e), 1,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-11-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluoro-12-iodo-2-(trifluoromethyl)- Dodecane, i,1,1,2,3,3,4,5,5,66,77,8,9,9,10,11,11,12,12-tetraconsfluo | Fluorinated (meth)actylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILACONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated CORBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS | 8 6 6 10 20 12 10 13 12 11 12 11 | 8 6 20 10 20 12 10 13 13 12 11 12 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 3307-60-8 206-205-3 2043-54-1 218-054-0 3348-61-1 3307-59-5 68015-87-2 16488-96-7 3307-55-4 206-203-2 3733-74-6 | Diebysaminocity) Methacrylate/HEMA Perfluorobexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminocityl methacrylate (HEMA), and perfluorobexylethyl methacrylate dust is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene Disilonae, 1.1 dichlaros 3.3.3 rtimethyl-1-(3.3.44.5.5.66.77.8.88.9.10.10,10-beptadecafluoroocyly)- Disulfide, bix(3.3.44.5.5.66.77.88.9.9.10,10,10-beptadecafluorodecyl) Disulfide, bix(jamma-omega-perfluoro-Ce-20-alkyl) Docosne, 1.1.1.2.2.3.3.44.5.5.66.77.8.8.9.9.10.11,11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20-lentetracontafluoro-22-iodo- Docosne, 1.1.1.2.2.3.3.44.5.5.6.77.8.8.9.9.10.11.11.12.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20-bentetracontafluoro-22-iodo- Dodecane, 1.1.1.2.2.3.3.44.5.5.66.77.8.8.9.9.10.10.11.11.12.12-tetracosafluoro-12-iodo- Dodecane, 1.1.1.2.2.3.3.44.5.5.66.77.8.8.9.9.10.10.11.11.12.12.tetracosafluoro-12-iodo- Dodecane, 1.1.1.2.3.3.4.4.5.5.66.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.5.5.66.77.8.8.9.9.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.5.66.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.5.66.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.5.66.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.5.66.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.10.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.10.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.10.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.10.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.10.00- Dodecane, 1.1.1.2.3.3.4.4.5.6.6.77.8.8.9.9.10.10.11.11.12.12.10.00- Dodecane, 1.1.1.2.10.00- Dodecane, 1.1.1.2.10.00- Dodecane, 1.1.1.2.10.00- Dodecane, 1.1.1.2.10.00- | Fluorinated (methiacrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TOLIS polyperfluorinated TOLIS polyperfluorinated TOLIS polyperfluorinated TODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated CABBOXYLIC ACIDS | 8 6 10 20 12 10 13 12 11 11 12 12 | 8 6 20 110 20 12 110 13 12 111 112 12 12 12 |
| 94237-47-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-69-8 2062-05-3 2043-54-4 218-05-4 2348-61-1 307-59-5 68015-87-2 16486-96-7 307-55-1 206-203-2 3373-74-6 64018-26-4 | Dictiyaliminorthyl Methacrylate/HEMA Perfluorohexylethyl Methacrylate Crosspolymer is a copolymer of dicthylaminoethyl methacrylate, hydroxyethyl methacrylate (HEMA), and perfluorohexylethyl methacrylate dwith PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized testrafluoroethylene Distionate, 1-14chlaroro.3.3-4rimethyl-14/3.3.44.5.5.6.6.77.8.8.9-10.10.10 heptadecafluorodecyl) Distifice, bix(3.3.44.5.5.6.6.77.8.8.9.9.10.10.10 heptadecafluorodecyl) Distifice, bix(3.2.44.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20.21.21.22.22-pentatetracontafluoro-22-iodo- Docsane, 1.1.1.22.33.44.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20-bentetracontafluoro-22-iodo- Docsane, 1.1.1.22.33.44.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-pentacosfluoro-12-iodo- Dockane, 1.1.1.2.2.33.44.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12-testracosfluoro-12-iodo- Dockane, 1.1.1.2.2.33.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-testracosfluoro-12-iodo-2-(trifluoromethyl)- Dockane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12-testracosfluoro-11-(trifluoromethyl)- Dockane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.12.12.12.12.12.12.12.12.12. | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIGLS polyperfluorinated TIGLS polyperfluorinated TIGLS polyperfluorinated TIGLS polyperfluorinated TIGLS polyperfluorinated IODIDES polyperfluorinated CARBOXYLIC ACIDS | 8 6 10 20 12 10 13 12 11 12 11 12 12 | 8 6 20 10 10 20 12 11 11 12 12 12 12 12 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 218-054-0 3248-61-1 307-59-5 68015-87-2 16168-96-7 307-55-4 206-203-2 3733-74-6 64018-26-4 15811-52-6 29809-34-5 | Diebysaminocity) Methacrylate/HEMA Perfluorobexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminocityl methacrylate (HEMA), and perfluorobexylethyl methacrylate dust is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized tetrafluoroethylene Disilonae, 1.1-dichloro-3.3.3-trimethyl-1-(3.3.44.5.5.6.6.7.7.8.8.9.9.10,10,10-beptadecafluoroocyly)- Disalfide, bix(3.3.44.5.5.6.6.7.7.8.8.9.9.10,10,10-beptadecafluorodecyl) Disalfide, bix(gamma-omega-perfluoro-Ce-20-alkyl) Docoane, 1.1.1.2.2.3.3.44.5.5.6.6.7.7.8.8.9.10,10.11,11.12,12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20-bentetracontafluoro-22-iodo- Docoane, 1.1.1.2.2.3.3.44.5.5.6.7.7.8.8.9.9.10.11.11.12.12.2 gentacosafluoro-12-iodo-2-(trifluoromethyl)- Dodecane, 1.1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12 tetracosafluoro-12-iodo-2-(trifluoromethyl)- Dodecane, 1.1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12 tetracosafluoro-12-iodo-2-(trifluoromethyl)- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12 tetracosafluoro-11-(trifluoromethyl)- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12 tetracosafluoro-11-(trifluoromethyl)- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12-decosafluoro-11-(trifluoromethyl)- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.01.11.11.12.12-decosafluoro-11-(trifluoromethyl)- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.9.9.10.01.11.11.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1.1.2.3.3.4.5.5.6.6.7.7.8.9.9.10.01.11.12.12.12-benecosafluoro- Dodecane, 1.1. | Fluorinated (methacrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILCONES/SILANES/SILCATES polyperfluorinated SILOXANES/SILCONES/SILANES/SILCATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TOLS polyperfluorinated TOLS polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated CABBOXYLIC ACIDS polyperfluorinated ALKANOYLSULPONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOYLSULPONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOYLSULPONYL CHLORIDE or FLUORIDES polyperfluorinated IODIDES | 8 6 10 20 12 11 10 13 12 11 12 12 12 12 12 12 12 | 8 6 20 10 20 12 11 10 13 12 11 12 12 12 12 12 12 12 |
| 94237-17-9 42977-21-9 93962-52-8 118400-71-8 29899-3-6-7 26375-64-5-2 307-6-0-8 206-205-3 2043-54-1 218-054-0 3248-61-1 307-55-5 68015-87-2 16488-9-6-7 307-55-1 206-203-2 3733-74-6 64018-2-6-4 15811-52-6 29899-3-3-5 65104-63-4 | Delaylaminocity! Methacrylate/HEMA/Perfluorohexylethy! Methacrylate (Crospolymer is a copolymer of diethylaminocity! methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized testrafluorocetyles. Distince. 1,146.htbrov.33.3-47imethyl-1/3,34.45.5.66.77.8.8.9-10.10.10-heptadecafluorocetyly. Distifice, bist(3,34.45.5.66.77.8.89.9.10.10.10-heptadecafluorocetyl) Distifice, bist(3,34.45.5.66.77.8.89.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20.21.21.22.22-pentatertacontafluoro-22-iodo- Docoane, 1,1,1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1,1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1,1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1,1.22.33.44.55.66.77.8.8.9.9.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1,1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1.1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1.1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1.1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1.1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo- Doceane, 1,1.1.22.33.44.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1.1.23.34.4.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-11-(trifluoromethyl)- Doceane, 1,1.1.23.34.4.55.66.77.8.8.9.9.10.10.11.11.12.12-pentaconfluoro-11-(trifluoromethyl)- Doceane, 1,1.1.23.34.4.55.66.77.8.8.9.9.10.10.11.11.12.12.12-pentaconfluoro-11-(trifluoromethyl)- Doceane, 1,1.1.23.34.4.55.66.77.8.8.9.9.10.10.11.11.12.12.12-pentaconfluoro-11-(trifluoromethyl)- Doceane, 1,1.1.23.34.4.55.66.77.8.8.9.9.10.10.11.11.12.12.12-pentaconfluoro-11-(trifluoromethyl)- Doceane, 1,1.1.23.34.4.55.66.77.8.8.9.9.10.10.11.11.12.12.1 | Fluorinated (methiacrylate polymers polyperfluorinated POLYMERS robyperfluorinated SILOXANES/SILONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated CABBOXYLIC ACIDS polyperfluorinated ALKANOYLICACIDS polyperfluorinated DIODIES polyperfluorinated IODIDES | 8 6 6 10 20 12 10 13 12 11 12 12 12 12 12 20 18 | 8 6 20 10 20 12 11 13 12 11 11 12 12 12 12 12 12 12 12 |
| 94237-47-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-60-8 206-205-3 2043-54-1 218-05-40 3248-61-1 307-59-5 68015-87-2 16486-96-7 307-55-1 206-203-2 3793-74-6 64018-26-4 15811-52-6 29809-34-5 65101-63-4 37389-57-4 233-557-9 | Delaylaminocity! Methacrylate/HEMA Perfluorohexylethy! Methacrylate Crosspolymer is a copolymer of diethylaminocity! methacrylate (HEMA), and perfluorohexylethyl methacrylate that is crosslinked with PEG-3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Me esters of reduced polymd. oxidized testrafluoroethylene Distionate, 1.1 delahforos, 3.3.4 rimethyl-14,53.4 x4.5.5.6.6.77.8.8.9-10,10.10 heptadecafluorodecyl) Distifice, bix(3.3.44.5.5.6.6.77.8.8.9.9.10,10.10 heptadecafluorodecyl) Distifice, bix(3.2.4.5.5.6.6.77.8.8.9.9.10,10.10 heptadecafluorodecyl) Distifice, bix(3.2.4.5.5.6.6.77.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20.21.21.22.22-pentatetracontafluoro-22-iodo- Doceane, 1.1.1.22.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.12.12.12.13.13.14.14.15.15.16.16.17.17.18.18.19.19.20.20-hentetracontafluoro-22-iodo- Doceane, 1.1.1.22.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.12.12-pentacosifluoro-12-iodo- Doceane, 1.1.1.2.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.11.12.12-testracosifluoro-12-iodo- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.12.12.12-testracosifluoro-12-iodo- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.12.12.12-testracosifluoro-12-iodo- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.12.12.12-testracosifluoro-12-iodo- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.12.12.12-testracosifluoro-11-(trifluoromethyl)- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.8.9.9.10.01.11.12.12.12-testracosifluoro-11-(trifluoromethyl)- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.9.9.10.01.11.12.12.12-testracosifluoro-11-(trifluoromethyl)- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.9.9.10.01.11.12.12.12-testracosifluoro-11-(trifluoromethyl)- Doceane, 1.1.1.2.3.3.4.3.5.6.6.7.8.8.9.9.10.01.11.12.12.12.12-testracosifluoro-11-(trifluoromethyl)- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.9.9.10.01.11.11.12.12.12-testracosifluoro-11-(trifluoromethyl)- Doceane, 1.1.1.2.3.3.4.4.5.5.6.6.77.8.9.9.10.01.11.11.12.12.13.14.14.15.15.16.16.17.17.18.18.19.19.02.0-bentetracontafluoro-20-todo- Eicosa | Fluorinated (meth)acrylate polymers polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOXYLISULFONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOXYLISULFONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOXILSULFONYL CHLORIDE or FLUORIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES | 8 6 10 20 11 10 10 11 11 11 12 12 12 12 12 12 12 12 12 12 | 8 6 20 110 20 110 12 12 12 12 20 118 20 18 |
| 94237-47-9 42977-21-9 93962-52-8 118400-71-8 29809-36-7 263756-45-2 307-60-8 307-60-8 307-60-8 307-60-8 307-60-8 307-50-5 68015-887-2 16468-96-7 307-55-1 206-203-2 3739-74-6 64018-26-4 15811-52-6 29809-34-5 6510-4-63-4 37589-57-4 253-557-9 68310-12-3 | Diethylaminorthyl Methacrylate/HEMA Perfluorobexylethyl Methacrylate Crosspolymer is a copolymer of diethylaminoethyl methacrylate (HEMA), and perfluorobexylethyl methacrylate dust is crosslinked with PEG3 dimethacrylate Diphosphoric acid, polymers with ethoxylated Mee esters of reduced polymd. oxidized tetrafluoroethylene Distlosane, 1.1-dichloro-3,3-3-trimethyl-1-(3,3.44,5.5.66,77.88,89.10,10,10) heptadecafluorodecyl) Distlides, bis(3,3.44,5.5.66,77.88,93,10,10,10) heptadecafluorodecyl) Distlides, bis(tridecafluorobexylethyl methacrylate (HEMA), and perfluorobexylethyl methacrylate dust is crosslinked with PEG3 dimethacrylate Distlides, bis(assuma-comega-perfluoro-C6-20-allyl) Distlides, bis(assuma-comega-perfluoro-C6-20-allyl) Docoane, 1,1,1,2,2,3,3.44,5.5.66,77.88,99,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-bentetracontafluoro-22-iodo- Docoane, 1,1,1,2,2,3,3,44,5.5.66,77.88,99,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,1,2,3,3,44,5.5.66,77.88,99,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,1,2,3,3,44,5.5.66,77.88,99,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(trifluoromethyl)- Doceane, 1,1,1,2,3,3,44,5.5.66,77.88,99,10,10,11,11,12,12-tetracosafluoro-10-decanoic acid, discosafluoro-1-1-(trifluoromethyl)- Doceanoic acid, discosafluoro-1-1-(trifluoromethyl)- Doceanoic acid, discosafluoro-1-1-(trifluoromethyl)- Doceanoic acid, discosafluoro-1-1-(trifluoromethyl)- Doceanoic acid, discosafluoro-1-1-(trifluoromethyl)- Eicosane, 1,1,1,2,2,3,3,4,4,5,6,6,77,88,99,10,0,11,11,12,12,12-decosafluoro-1-(trifluoromethyl)- Eicosane, 1,1,1,2,2,3,3,4,4,5,6,6,77,88,99,10,0,11,11,12,12,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-benteiracontafluoro-20-iodo- Eicosane, 1,1,1,2,2,3,3,4,4,5,6,6,77,88,99,10,0,11,11,12,12,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-benteiracontafluoro-20-iodo- Eicosane, 1,1,1,2,2,3,3,4,4,5,6,6,77,88,99,10,0,11,11,12,12,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-benteiracontafluoro-20-iodo- | Fluorinated (meth)acrylate polymers Polyperfluorinated POLYMERS polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated TIOLS polyperfluorinated IODIDES polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLICHONYL CHLORIDE or FLUORIDES polyperfluorinated ALKANOYLICHONYL CHLORIDE or FLUORIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated IODIDES polyperfluorinated ALKANOYLICHONYL CHLORIDE or PLUORIDES polyperfluorinated ALKANOYLICHONYL CHLORIDES polyperfluorinated ALKANOYLICHONYL CHLORIDES polyperfluorinated ALKANOYLICHONYLICHONYL CHLORIDES polyperfluorinated ALKANOYLICHONYLI | 8 6 6 10 20 12 10 13 12 11 12 12 12 12 12 20 18 | 8 6 20 10 20 12 11 13 12 11 11 12 12 12 12 12 12 12 12 |
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| Column C | | | <u>, </u> | | |
|--|---|--|---|-----|-------------|
| Section Section Machine Annie (Comment of Comment of Section | | Ethaneperoxoic acid, reaction products with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl thiocyanate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl thiocyanate | | 5 | 8 |
| | 70815-05-3 | | Polytetrafluoroethylene (PTFE) | | |
| | 64346-91-4 | | Polytetrafluoroethylene (PTFE) | | |
| Month Month Multi-American American American State Multi-American American A | 65104-43-0 | | Polytetrafluoroethylene (PTFE) | | |
| | 111173-25-2 | Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-{(trifluoroethenyl)oxy}-, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| March of the Profession (COMMAN Assessment (COMMAN Assessment (COMMAN ASSESSMENT) 1 1 1 1 1 1 1 1 1 | 31175-20-9 | Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-{1,2,2-trifluoro-2-{(trifluoroethenyl)oxy]-1-(trifluoromethyl)ethoxy]-, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| | 754925-54-7 | Ethanesulfonic acid, 2-[(1,1,2,2,3,3,4,5,5,6,6-dodecafluorohexyl)oxy]-1,1,2,2-tetrafluoro-, potassium salt (1:1) | poly/perfluorinated ETHERS | 2 | 6 |
| Months of Continues (Continues and Continues and Continu | 73606-19-6 | Ethanesulfonic acid, 2-[(6-chloro-1,1,2,2,3,3,4,5,5,6,6-dodecafluorohexyl)oxy]-1,1,2,2-tetrafluoro-, potassium salt (1:1) | poly/perfluorinated ETHERS | 2 | 6 |
| | 65086-49-9 | Ethanesulfonic acid, 2-{1- difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2-\textrafluoroethoxy]-1,1,2,2-\textrafluoro-, potassium salt, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| Management Man | 31176-88-2 | Ethanesulfonic acid,1,1,2,2-tetrafluoro-2-{1,1,2,2-trifluoro-2-{(trifluoro-2-{(trifluoro-thenyl)oxy}]-1-(trifluomethyl)ethoxyl]-, sodium salt, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| Manufacture | 85600-80-2 | Ethanesulfonic acid,2-[1-[difluoro[trifluoroethenyl]oxymethyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, sodium salt polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | ĺ |
| | 29514-94-1 | Ethanesulfonyl fluoride, 1,1,2,2-tetrafluoro-2-[(1,2,2-trifluoroethenyl)oxy]- | poly/perfluorinated ETHERS | 4 | 4 |
| | 69462-70-0 | Ethanesulfonyl fluoride, 1,1,2,2-tertafluoro-2-[(1,2,2-trifluoroethenyl)oxy]-, polymer with 1,1,2,2-tertafluoroethene | Polytetrafluoroethylene (PTFE) | | 2 |
| | 1163733-25-2 | Ethanesulfonyl fluoride, 1,1,2,2-tertafluoro-2-[(1,2,2-trifluoroethenyl)oxy]-, polymer with 1,1,2,2-tertafluoroethene, bydrolyzed | Polytetrafluoroethylene (PTFE) | | 2 |
| | 2127-74-4 | Ethanesulfonyl fluoride, 1,2,2,2-tetrafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 4 | 4 |
| | 144728-59-6 | Ethanesulfonyl fluoride, 2-(1,2-dichloro-1,2,2-trifluoroethoxy)-1,1,2,2-tertafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 4 | 4 |
| | 26654-97-7 | Ethanesulfonyl fluoride, 2-[1-[difluoro([trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| | 1378930-04-1 | Ethanesulfonyi fluoride, 2-[1-[difluoro][(1,2,2-trifluoroetheny)]oxy]methyl]-1,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-, polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed | Polytetrafluoroethylene (PTFE) | | 2 |
| Section Sect | 1378928-76-7 | Ethanesulfonyl fluoride, 2-[1-[difluoro][(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-polymer with 1,1,2,2-tetrafluoroethene, hydrolyzed, potassium salts | Polytetrafluoroethylene (PTFE) | • | 2 |
| Section Sect | 16090-14-5 240-249-4 | Ethanesulfonylfluoride, 2-[1-[difluoro([1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 2 | 5 |
| Math 25 (1933-1935-1935) Math 25 (1933-1935) Math 25 (1933-1 | | | | 8 | 14 |
| | 27607-36-9 | | | 8 | 8 |
| Math | | Ethanol, 2,2-iminobis-, compd. with alpha.,alpha[phosphinicobis(oxy-2,1-ethanedyil)]bis[.omega-fluoropoly(difluoromethylene)] (1:1) | | | |
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| State Stat | | | | - 8 | 8 |
| | 67939.89.3 | Ethanol, 2-lethylf(1,1,2,2,3,3,4,4-ponafluorobuy) sulfonyllaminol-, dihydrogen phosohate (ester) | | 4 | 4 |
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| 161075-02. 260-239-6 Eleme, terralhoro-, visidized, polyand, relatered, decarboxylated, C10 fraction | | | | | 1 |
| 27918-03-5 Dees, terafluoro, oxidined, polyand, reduced, decarbosylated, CI fraction | | | | | |
| 279/18/09 Elnes, ternalnove, oxidared, polym, reduced, decarboxylated, C11 fraction | | | | 4 | - |
| 274918-10-4 Elbene, tetralluoro-, oxidized, polymd, reduced, decarboxylated, C13 fraction Polyteralluoroethylene (PTFE) 4 4 4 4 4 4 4 4 4 | | · · · · · · · · · · · · · · · · · · · | | | |
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| 274917-95 Elhen, tetrafluoro, oxidized, polymd, reduced, dearboxylated, C3 fraction Polyterafluoroethylene (PTFE) 4 4 4 4 4 4 4 4 4 | | | | 4 | - |
| 274917-94. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274917-95. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274917-95. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274917-96. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274917-97. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxylated, Cf fraction 274918-01. Elben, tertafluoro, oxidized, polymd, reduced, decarboxyl | | · · · · · · · · · · · · · · · · · · · | | | |
| 274917-95-2 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C5 fraction 274917-96-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C6 fraction 274917-97-4 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C7 fraction 274917-97-4 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C7 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C7 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C7 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, decarboxylated, C9 fraction 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, delydrated 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced 274918-01-3 Ehen, tetrafluoro, oxidized, polymd, redu | | | | | <u> </u> |
| 274917-963 Eihen, tertafluoro, oxidized, polymd, reduced, dearboxylated, C6 fraction Polyter affluoroschylene (PTFE) 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | 4 | |
| 274917974 Elben, tertafluoro, oxidized, polymd, reduced, dearboxylated, C7 fraction | | | | | 1 |
| 274918-01-3 Elbene, tetrafluoro, oxidized, polymd, reduced, decarboxylated, CS fraction Polyteraphorochylene (PTE) 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | | | |
| 274918-024 Elbene, tetrafluoro-, oxidized, polymd, reduced, dearboxylated, C9 fraction Polyterafluoroethylene (PTE) 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | 4 | 4 |
| Eilene, tetrafluoro, oxidized, polymd, reduced, Me esters, hydrolysed Polyterafluoroethylene (PTFE) 4 4 1 161075-043 Eilene, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia and polyter floration Polyterafluoroethylene (PTFE) 4 4 4 4 4 4 4 4 4 | | | , | 4 | 4 |
| 161075-043 Elbene, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia Polyterrafluoroethylene (PTFE) 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | The desire of the registry and the regis | | 4 | 4 |
| 161075-134 Elbene, tetrafluoro, oxidized, polymd, reduced, Me esters, reaction products with ammonia, debydrated Polyterrafluoroethylene (PTFE) 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | + |
| 161075-05-4 Elbene, tetrafluoro-, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced Polytetrafluoro-drylene (PTE) 4 4 4 88645-28-7 Elbene, tetrafluoro-, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced, reaction products with carbonic dichloride Polytetrafluoro-drylene (PTE) 4 4 4 88645-28-8 500-272-5 Elbene, tetrafluoro-, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced, reaction products with carbonic dichloride Polytetrafluoro-drylene (PTE) 4 4 4 4 4 4 4 5 4 5 4 5 4 5 4 5 4 5 4 | | | | | |
| 88645-28-7 Elhen, tetralhoro-, oxidized, polymd, reduced, Me esters, reaction products with ammonia, reduced, reaction products with carbonic dichloride Polytetralhoro-chylene (PTFE) 4 4 4 88645-29-8 500-272-5 Elhen, tetralhoro-, oxidized, polymd, reduced, Me esters, reduced Polytetralhoro-chylene (PTFE) 4 4 4 | | | | 4 | |
| 88645-29-8 50-27-5 Elben, tertafluoro, oxidized, polymd, reduced, Me esters, reduced Polymerafluoroethylene (PTE) 4 4 | | | | 4 | 4 |
| wayaanaan yaan (v a) | | | | 4 | 4 |
| 162492.15-1 [500-749-8] Litener, tetrafluoro-coxdized, polymed, reduced, Me esters, reduced, ethoxylated Polyterafluoroethylene (PTFE) 4 4 | | Etnene, tetranuoro-, oxidized, polyma., reduced, me esters, reduced | Polytetrafluoroethylene (PTFE) | 4 | 4 |
| | | | | | |

| | | | 1 | |
|--------------------|--|---|---|----|
| 101316-90-9 | Ethene, tetrafluoro-, oxidized, polymd, redused, Me esters, redused acrylates | Fluorinated (meth)acrylate polymers | 4 | 4 |
| 1187-93-5 | Ethen, trifluoro(trifluoromethoxy)- | poly/perfluorinated (METH)ACRYLATES | 1 | 2 |
| 252237-40-4 | Ethylphosphonic acid, perfluorohexyl- | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| 1-87-5 | Fatty acids, C18-ursatd, dimers and trimers, 2-(perfluoro-N-methyl-C4-8-alkanesulfonamido)ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 306974-63-0 | Fatty acids, C18-unsatd, dimers, 2-{methyli(perfluoro-C48-siky)saifonyl amino ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 68990-40-9 | Fatty acids, C18-unsatd, dimers, diisocyanates, polymers with 2.3-bis(gammaomegaperfluoro-C4-18-alkyl)-1,4-butanediol,1,6-diisocyanato-2,2.4(or 2,4,4)-trimethylhexane and 2,2-(methylimino)bisethanol | Fluorinated urethanes polymers | 4 | 18 |
| 148240-78-2 | Fatty acids, C18-unsatd, trimers, 2-[[(heptadecafluorooctyl)sulfonyl]methylaminojethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | |
| 148240-79-3 | Fatty acids, C18-unsatd, trimers, 2-{methyl(1,1,2,2,3,34,4,4-nonafluorobutyl)sulfonyl]amino ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 148240-81-7 | Fatty acids, C18-unsatd, trimers, 2-{methyl[(1,1,2,2,3,3,4.4.5,5.5-undecafluoropentyl)sulfonyl]amino]ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 148240-82-8 | Fatty acids, C18-unsatd, trimers, 2-[methyl[(pentadecafluorohepty):sulfonyl]amino]ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 161074-58-4 | Fatty acids, C18-unsatd, trimers, 2-{methyl[(perfluoro-C48-alkyl)sulfonyl]amino]ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 148240-80-6 | Fatty acids, C18-unsatd., trimers, 2-{methyll (tridecafhoronbexyl)sulfonyl]amino]ethyl esters | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 72623-77-9 | Fatty acids, C6-18, perfluoro, ammonium salts | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 18 |
| 68333-92-6 | Fatty acids, C7-13, perfluoro (TSCA, NDSL, EINECS) | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 12 |
| 69278-80-4 | Fatty acids, C7-13, perfluoro, compds, with ethylamine | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 13 |
| 91032-01-8 | Fatty acids, C7-19, perfluoro | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 19 |
| 212013-54-2 | Fatty acids, C7-19, perfluoro, ammonium salts | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 19 |
| 178535-23-4 | Fatty acids, linsead-oil, gamma-omega-perfluoro-CS-14-alkyl esters | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 14 |
| 306973-46-6 | Fatty acids, linseed-oil, dimers, 2-{[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl esters | OTHER poly/perfluorinated ORGANICS | 8 | 8 |
| | Fatty acids meadowfoam, esters with 1-perfluorononyt-2-octyldodecyloxy-ethan-1,2-diol | poly/perfluorinated ALKOHOLS | 9 | 9 |
| 1114-17-3 | Huoroaliphatic polymeric esters (95-99%) | poly/perfluorinated POLYMERS | | |
| 110-86-7 | Fluoropolyester and polyester modified polyisocyanate and heterocyclic amine | poly/perfluorinated POLYMERS | | |
| 335-36-4 206-389-5 | Furan, 2,2,3,3,4,5-heptafluorotetrallydro-5-(nonafluorobutyl)- | poly/perfluorinated ETHERS | 8 | 8 |
| 356-48-9 | Furan, 2.2.3.3.4.4.5-heptafluorotetrahydro-5-(pentafluoroethyl)-("Tetrahydrofurane, perfluoroethyl-") | poly/perfluorinated ESTERS | 6 | 6 |
| 71302-72-2 | Furan, 2,2,3,3,4,4-bexafluorotetrallydro-5-[2,2,2-trifluoro-1,1-bis(trifluoroneethyl)ethyl]- | poly/perfluorinated ESTERS | 4 | 4 |
| 646-85-5 | Furan, 2,2,3,3,4,5,5-heptafluorotetrahydro-4 (nonafluoroburyl)- | poly/perfluorinated ETHERS | 3 | 4 |
| 957209-18-6 | Furan, 2.3.3,4.4-pentafluorotetrallydro-5-methoxy-2.5-bis[1,2,2.2-tetrafluoro-1-(trifluoromethyl)]ethyl]- | poly/perfluorinated ETHERS | 3 | 3 |
| 69661-30-9 | Furan, 2,3.5-trifluorotetrahydro-4-(pentafluoroethyl)-2,3.4,5-tetrakis(trifluoromethyl)- | poly/perfluorinated ETHERS | 8 | 8 |
| 40464-54-8 | Furan, heptafluorotetrahydro(nonafluorobutyl)- | poly/perfluorinated ETHERS | 8 | 8 |
| 773-14-8 | Firan, octafluorotetralydro- | poly/perfluorinated ETHERS | 4 | 4 |
| 51588-53-5 | Glycine, N-(2.2,3,3,4,5.5,6,6,7,7,8,8,9,9,9-heptadecafluoro-1-oxononyl)-N-methyl-, sodium salt | poly/perfluorinated ALKOHOLS | 8 | 8 |
| 94159-87-2 | Glycine, N-(4.4.5.5.6.6.7,7.8.8.9.9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl)-N-methyl-, monopotassium salt | poly/perfluorinated ALKOHOLS | 8 | 8 |
| 70281-93-5 | Glycine, N-{(heptadecafluorooctyl)sulfonyl}-N-methyl-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 66551-19-7 | Glycine, N-{(beptadecafluorooctyl)sulfonyl}-N-propyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 55910-10-6 | Glycine, N-{(beptadecafluorooctyl)sulfonyl}-N-propyl-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 85228-95-1 | Glycine, N-[[4-{(heptadecafluorononenyl)oxylphenyl]sulfonyl]-N-methyl-, sodium salt | poly/perfluorinated ETHERS | 9 | 9 |
| 94159-89-4 | Glycine, N-[4.4.5.5.6.6.7,7.8.8.9.9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl]-N-methyl-, monopotassium sult | poly/perfluorinated ALKOHOLS | 9 | 9 |
| 116537-74-7 | Glycine, N-ethyl-N-(2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoro-1-oxoheptyl)-, sodium salt | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 6 |
| 2991-50-6 | Glycine, N-ethyl-N-{(heptadecafluorooctyl)sulfonyl}- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 2991-52-8 | Glycine, N-ethyl-N-{(heptadecafluorooctyl)sulfonyl}-, ammonium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 1869-77-8 | Glycine, N-ethyl-N-{(heptadecafluorooctyl)sulfonyl}-, ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 87988-69-0 | Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, methyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 2991-51-7 | Glycine, N-ethyl-N-{(heptadecafluorooctyl)sulfonyl}-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 3871-50-9 | Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, sodium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 68957-33-5 | Glycine, N-ethyl-N-[(nonafluorobutyl)sulfonyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 67584-63-8 | Glycine, N-ethyl-N-{(nonafluorobutyl)sulfonyl}-, ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 67584-51-4 | Glycine, N-ethyl-N-(nonafluorobutyl)sulfonyl]-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 68555-68-0 | Glycine, N-ethyl-N-{(nonafluorobutyl)sulfonyl}-, sodium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 68957-63-1 | Glycine, N-ethyl-N-{(pentadecafluorohepyl)sulfonyl}- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68957-54-0 | Glycine, N-ethyl-N-{(pentadecafluoroheptyl)sulfonyl}-, ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 67584-62-7 | Glycine, N-ethyl-N-{(pentadecafluorohepyl)sulfonyl}-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68555-71-5 | Glycine, N-ethyl-N-{(pentadecafluoroheptyl)sulfonyl}-, sodium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68957-32-4 | Glycine, N-ethyl-N-{(ridecafluorohexyl)-ulfonyl]- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 68957-53-9 | Glycine, N-ethyl-N-{(tridecafluorohexyl)-sulfonyl]-, ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 67584-53-6 | Glycine, N-ethyl-N-{(tridecafluorohexyl)-sulfonyl]-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 68555-70-4 | Glycine, N-ethyl-N-{(tridecafluorohexyl)-sudfumyl]-, sodium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 68957-31-3 | Glycine, N-ethyl-N-{(undecafluoropentyl)sulfonyl}- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 9 | 9 |
| 68555-79-3 | Glycine, N-ethyl-N-[(undecafluoropentyl)sulforyl]-, ethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 67584-52-5 | Glycine, N-ethyl-N-[(undecafluoropentyl)sulfonyl]-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 9 | 9 |
| 68555-69-1 | Glycine, N-ethyl-N-[(undecafluoropentyl)sulfonyl]-, sodium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 5 | 5 |
| 85665-66-3 | Glycine, N-propyl-N-[(tridecafluorohexyl)sulfonyl]-, potassium salt | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 6 | 6 |
| 110494-69-4 | Heptadecafluoro-N-poly(oxy-1,2-ethanediyl)-N-propyl-1-octunesulfonamide | poly/perfluorinated POLYMERS | 8 | 8 |
| 335-57-9 206-392-1 | Heptane, 1,1,1,2,2,3,3,4,5,5,6,6,7,7,7-hexadecafluoro- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| 133881-46-6 | Heptane, 1,1,1,2,2,3,3,4,4,5,6,6,7,7-pentadecafluoro-7-(trifluoromethoxy)- | poly/perfluorinated ETHERS | 7 | 7 |
| 335-58-0 206-393-7 | Heptane, 1,1,1,2,2,3,3,4,4,5,6,6,7,7-pentadecafluoro-7-iodo- | poly/perfluorinated IODIDES | 7 | 7 |
| 153273-32-6 | Heptane, 1,1,1,2,2,3,3,4,4,5,5,6,7,7,9entadecafluoro-6-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| | | | | |

| 24394-25-0 | Heptane, 1,1,1,2,2,3,3,4,4,5,5,6,7,7,-pentadecafluoro-6-iodo- | poly/perfluorinated IODIDES | 7 | 7 |
|---|--|--|--|--|
| 1682-31-1 | Heptane, 1,1,1,2,2,3,3,4,4,5,5-undecafluoro-7-iodo- | poly/perfluorinated IODIDES | 5 | 5 |
| 153273-33-7 | Heptane, 1,1,1,2,2,3,3,4,4,5,6,6,7,7,-pentadecafluoro-5-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 84808-63-9 | Heptane, 1,1,1,2,3,3,4,5,5,6,7,7,7-tridecafluoro-2,4,6-tris(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 10 | 10 |
| 375-88-2 206-799-4 | Heptane, 1-bromo-1,1,2,2,3,3,4,5,5,6,6,7,7,7-pentadecafluoro- | OTHER poly/perfluorinated ORGANICS | 7 | 7 |
| 78971-81-0 | Heptane, 7-(ethenyloxy)-1,1,2,2,3,3,4,4,5,5,6,6-dodecafluoro- | OTHER poly/perfluorinated ORGANICS | 9 | 9 |
| 1546-95-8 216-283-0 | Heptanoic acid, 2,2,3,3,4,5,5,6,6,7,7-dodecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 376-34-1 | Heptanoic acid, 2,2,3,3,4,5,5,6,6,7,7-dodecafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 15166-06-0 | Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)- | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 16069-78-6 | Heptanoic acid, 3,5,7,7-tetrachloro-2,2,3,4,4,5,6,6,7-nonafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 72714-62-6 615-790-8 | Heptanoic acid, 4,6,6-trichloro-7,7,7-trifluoro-3,3-dimethyl-, methyl ester | poly/perfluorinated SULFONAMIDES | 7 | 7 |
| 375-85-9 206-798-9 | Heptanoic acid, tridecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 6130-43-4 | Heptanoic acid, tridecafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 41430-70-0 255-362-4 | Heptanoic acid, tridecafluoro, ethyl ester | poly/perfluorinated ESTERS | 7 | 7 |
| 20109-59-5 | Heptanoic acid, tridecafluoro-, sodium salt | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 52447-22-0 | Heptanovi chloride, 2,2,3,3,4,4,5,6,6,7,7,7-tridecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 41405-35-0 | Heptanovi chloride, 2,2,3,3,4,4,5,6,6,7,7-dodecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 375-84-8 | Heptanovi fluoride, 2,2,3,3,4,4,5,6,6,7,7,4ridecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 7 | 7 |
| 65975-15-7 | Hesacosane, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,32,32,4,24,25,5,26,6-tripentacontaffluoro-26-iodo- | poly/perfluorinated IODIDES | 26 | 26 |
| 355-49-7 206-588-7 | | poly/perfluorinated ALKANES/ALKENES | 14 | 17 |
| 355-50-0 | | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES | 16 | 16 |
| 355-50-0 65510-55-6 | Tecanomic, 1,1,2,2,3,4,5,5,0,7,7,8,9,9,10,0,1,1,1,2,2,1,3,1,4,1,1,1,1,1,0,1,1,1,1,1,1,1,1,1,1,1,1 | | 16 | 16 |
| 65510-55-6 75032-94-9 | reconstant, 1,1,2,2,5,3,6,3,5,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 | poly/perfluorinated IODIDES | 6 | 6 |
| | | poly/perfluorinated ESTERS | 6 | 6 |
| 67905-19-5 267-638-1 | Hexadecanoic acid, hentriacontafluoro- Hexafluorodi(trifluoromethyl)cyclobutane | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 6 |
| 37360-98-8 | | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 178233-67-5 | Hexalydroperfluoro-Ce-12 alkyl acrylate, lauryl acrylate and acroyl-butylurethane polymer | Fluorinated (meth)acrylate polymers | 3 | 9 |
| 186406-48-4 | Hexakis (1H,H,6H-Decafluorohexyloxy) phosphazine | poly/perfluorinated PHOSPHOORGANICS | 5 | 5 |
| 186406-49-5 | Hexakis (1H,1H,8H-tetradecafluorocctyloxy)phosphazine | poly/perfluorinated PHOSPHOORGANICS | 7 | 7 |
| 16059-16-8 | Hexakis(IH,IH,SH-octafluoropentoxy)phospazine | poly/perfluorinated PHOSPHOORGANICS | 4 | 4 |
| 3830-74-8 | Hecakis(1H,1H,7H-dodecafluoroheptoxy)phosphazene | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| 186043-67-4 | Hexakis(1H,1H,9H-perfluorononyloxy)phosphazene (*1,3,5,2,4,6-Triazatriphosphorine,2,2,4,4,6,6-hexakis((2,2,3,3,4,4,5,5,6,6,7,7,8,8,9)-hexadecufluorononyl)oxy}-2,2,4,4,6,6-hexahydro-') | poly/perfluorinated PHOSPHOORGANICS | 9 | 9 |
| 72494-14-5 | Hexanamide, 2-{2.4-bis(1,1-dimethylpropy)phenoxy]-N-{3-bydroxy-4-{(2,2,3,3,4,4,5,5-oxtafluoro-1-oxopentyl)amino]phenyl}- | OTHER poly/perfluorinated ORGANICS | 6 | 6 |
| 355-37-3 206-581-9 | Hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro- | poly/perfluorinated ALKANES/ALKENES | | 6 |
| | | 1 71 | ь | 0 |
| 355-43-1 206-586-6 | Hexure, 1,1,1,2,3,3,4,4,5,6,6-ridecafluoro-6-iodo- | poly/perfluorinated IODIDES | 6 | 6 |
| 355-43-1 206-586-6 355-44-2 | Hexune, 1,1,1,2,2,3,3,4,5,5,6,6+tidecafluoro-6-iodo- Hexune, 1,1,1,2,2,3,3,4,5,6,6-tidecafluoro-5-iodo- | 1 71 | 6 | 6 |
| 355-44-2 2043-55-2 218-055-6 | Hexane, 1,1,1,2,2,3,3,4,5,5,6,6+tridecafluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,5-manfluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,4-manfluoro-6-iodo- | poly/perfluorinated IODIDES | 6 6 4 | 6 6 4 |
| 355-43-1 206-586-6 355-44-2 | Hexune, 1,1,1,2,2,3,3,4,5,5,6,6-tridecafluoro-6-iodo- Hexune, 1,1,1,2,2,3,3,4,5,6,6-tridecafluoro-5-iodo- Hexune, 1,1,1,2,2,3,3,4,5-manfluoro-6-iodo- Hexune, 1,1,1,2,2,3,3,4,5,6,6,6-tridecafluoro-4-(trifluoromethyl)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES | 6 | 6 |
| 355-44-2 2043-55-2 218-055-6 | Hexane, 1,1,1,2,3,3,4,4,5,6,64ridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-5,6,64ridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-sonafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,5,5,6,6-fridecafluoro-4-(urifluoromety)- Hexane, 1,1,1,2,3,3,5,6,6-undecafluoro-4-(urifluoromety)- Hexane, 1,1,1,2,3,3,5,6,6-undecafluoro-4-(urifluoromety)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES | 6 | 6 6 4 |
| 355-44-2 2043-55-2 218-055-6 558-69-0 | Hexane, 1,1,1,2,3,3,4,4,5,6,6-fridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-5,6,6-fridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-fronfluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,5-fronfluoro-6-iodo- Hexane, 1,1,1,2,3,3,5,6,6-fridecafluoro-4,4-frifuoromethyl)- Hexane, 1,1,1,2,3,3,5,6,6-fridecafluoro-3,4-fristirifuoromethyl)- Hexane, 1,1,1,2,3,4,5,6,6-fridecafluoro-3,4-fristirifuoromethyl)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES | 6 4 7 | 6 6 4 7 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-055-6 558-69-0 86714-23-0 | Hexane, 1,1,1,2,3,3,4,4,5,6,64ridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-5,6,64ridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-sonafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,5,5,6,6-fridecafluoro-4-(urifluoromety)- Hexane, 1,1,1,2,3,3,5,6,6-undecafluoro-4-(urifluoromety)- Hexane, 1,1,1,2,3,3,5,6,6-undecafluoro-4-(urifluoromety)- | pdy/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 6 4 7 8 | 6 6 4 7 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-055-6 558-69-0 86714-23-0 1735-48-4 | Hexane, 1,1,1,2,3,3,4,4,5,6,6-fridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-5,6,6-fridecafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,4-fronafluoro-6-iodo- Hexane, 1,1,1,2,3,3,4,5-fronafluoro-6-iodo- Hexane, 1,1,1,2,3,3,5,6,6-fridecafluoro-4,4-fristorifutoromethyl)- Hexane, 1,1,1,2,3,3,5,6,6-fodecafluoro-3,4-fristorifutoromethyl)- Hexane, 1,1,1,2,3,4,5,6,6-fodecafluoro-3,4-fristorifutoromethyl)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 6 4 7 8 8 | 6 6 4 7 8 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-055-6 558-69-0 86714-23-0 1735-48-4 80632-82-2 | Hexune, 1,1,1,2,3,3,4,4,5,6,6-tridecafluoro-6-iodo- Hexune, 1,1,1,2,3,3,4,4,5,6,6-tridecafluoro-6-iodo- Hexune, 1,1,1,2,3,3,4,5,6,6,6-tridecafluoro-6-iodo- Hexune, 1,1,1,2,3,3,4,5,6,6-tridecafluoro-4-(trifluoromethyl)- Hexune, 1,1,1,2,3,3,5,6,6-dodecafluoro-4,4,5-tristrifluoromethyl)- Hexune, 1,1,1,2,3,5,5,6,6-dodecafluoro-3,4-bist(trifluoromethyl)- Hexune, 1,1,1,2,3,5,5,6,6-dodecafluoro-4-(pentafluoroethyl)-3,4-bis(trifluoromethyl)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 6 4 7 8 8 | 6 6 4 7 8 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-055-6 558-69-0 86714-23-0 1735-48-4 86632-82-2 3486-08-6 222-475-5 | Hexune, 1,1,1,2,3,3,4,4,5,5,6,6-frideculturo-6-iodo- Hexune, 1,1,1,2,3,3,4,4,5,5,6,6-frideculturo-5-iodo- Hexune, 1,1,1,2,3,3,4,5,5,6,6-frideculturo-1-deridu- Hexune, 1,1,1,2,3,3,4,5,5,6,6-frideculturo-1-deridu- Hexune, 1,1,1,2,3,3,4,5,6,6-frideculturo-1-deridu- Hexune, 1,1,1,2,3,3,5,5,6,6-du-deculturo-1-deridu- Hexune, 1,1,1,2,3,4,5,6,6-du-deculturo-1-deridu- Hexune, 1,1,1,2,3,5,5,6,6-du-deculturo-1-deridu- Hexune, 1,1,1,2,3,5,6,6-du-deculturo-1-deridu- Hexune, 1,1,1,2,3,5,6,6-du-deculturo-1-deridu- Hexune, 1,1,1,2,3,4,5,6,6-du-deculturo-6-iodo-2-(trifluromethyl)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES | 6 4 7 8 8 10 6 | 6 6 4 7 8 8 10 |
| 355-43-4 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1735-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 | Hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-dridecafluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-dridecafluoro-6-iodo- Hexane, 1,1,1,2,2,3,4,5,5,6,6-dridecafluoro-4-(irifluoromethyl)- Hexane, 1,1,1,2,2,3,4,5,5,6,6-dridecafluoro-4-(irifluoromethyl)- Hexane, 1,1,1,2,3,3,5,6,6-dridecafluoro-4-(irifluoromethyl)- Hexane, 1,1,1,2,3,4,5,5,6,6-dridecafluoro-4-(irifluoromethyl)- Hexane, 1,1,1,2,3,4,5,5,6,6-dridecafluoro-4-(penafluoromethyl)- Hexane, 1,1,1,2,3,4,4,5,5,6,6-dridecafluoro-6-iodo-2-(irifluoromethyl)- Hexane, 1,1,1,3,3,4,4,5,5,6-dridecafluoro-6-iodo-2-(irifluoromethyl)- Hexane, 1,1,1,3,3,4,5,5,6,6-dridecafluoro-6-iodo-2-(irifluoromethyl)- | polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated ALKANES polyiperfluorinated DIDES polyiperfluorinated ALKANES poly | 6 4 7 8 8 10 6 | 6 6 4 7 8 8 10 6 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-055-6 558-60 0 86714-23-0 1735-48-4 80632-82-2 2475-5 71076-47-6 133080-89-4 | Hexane, 1,1,1,2,2,3,3,4,4,5,6,6,6-indecafluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,4-sonafluoro-6-iodo- Hexane, 1,1,1,2,2,3,4,4-sonafluoro-6-iodo- Hexane, 1,1,2,2,3,5,4,6-fondecafluoro-4-(irithuromethyl)- Hexane, 1,1,2,2,3,5,5,6,6-dodecafluoro-4,5-instirithuromethyl)- Hexane, 1,1,1,2,3,5,5,6,6-dodecafluoro-3,4-bis(irithuromethyl)- Hexane, 1,1,1,2,3,5,5,6,6-dodecafluoro-6-iodo-2-(irithuromethyl)- Hexane, 1,1,1,2,3,5,5,6,6-dodecafluoro-6-iodo-2-(irithuromethyl)- Hexane, 1,1,1,2,3,4,4,5,6,6-dodecafluoro-6-iodo-2-(irithuromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dodecafluoro-6-iodo-2-(irithuromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dodecafluoro-1-(pentafluoromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dodecafluoro-1-(pentafluoromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dodecafluoro-1-(pentafluoromethyl)- | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES Fluorinated (meth)acrylate polymers | 6 4 7 8 8 10 6 | 6 6 4 7 7 8 8 8 10 6 6 10 6 6 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 18-055-6 558-69-0 86714-23-0 1735-48-4 86632-8-2 3486-08-6 222-475-5 71076-47-6 133080-89-4 375-80-4 206-794-7 253873-70-0 | Hexane, 1,1,1,2,2,3,3,4,4,5,5,6,6-dridecafluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,4-sonfluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,4-sonfluoro-6-iodo- Hexane, 1,1,1,2,2,3,3,4,5,5,6,6-dridecafluoro-4-(urituoromethyl)- Hexane, 1,1,1,2,2,3,4,5,5,6,6-dridecafluoro-4,4,5-tris(trifluoromethyl)- Hexane, 1,1,1,2,2,3,5,5,6,6-dridecafluoro-3,4-bis(trifluoromethyl)- Hexane, 1,1,1,2,2,5,5,6,6-dridecafluoro-6-iodo-2-(urituoromethyl)- Hexane, 1,1,1,2,3,5,5,6,6-dridecafluoro-6-iodo-2-(urituoromethyl)- Hexane, 1,1,1,2,3,3,4,5,5,6,6-dridecafluoro-6-iodo-2-(urituoromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dridecafluoro-1-(pentafluoromethyl)- Hexane, 1,1,2,3,3,4,4,5,6,6-dridecafluoro-1-(pentafluoromethyl)- Hexane, 1,1,2,3,3,4,4,5,6,6-dridecafluoro-1-(pentafluoromethyl)- Hexane, 1,1,2,3,3,4,4,5,6,6-dridecafluoro-1-(pentafluoromethyl) | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES Fluorinated (methocytae polymes | 6 4 7 8 8 8 10 6 10 6 | 6 6 4 7 7 8 8 8 10 6 6 10 6 6 6 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1773-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 133080-89-4 375-80-4 253873-70-0 1279108-20-1 | Hexane, 1,1,2,2,3,3,4,4,5,6,6-fridecafluoro-6-iodo- Hexane, 1,1,2,2,3,3,4,4,5,5,6,6-fridecafluoro-6-iodo- Hexane, 1,1,2,2,3,3,4,5,5,6,6-fridecafluoro-1-dirifluoromethyl)- Hexane, 1,1,2,2,3,3,4,5,5,6,6-dridecafluoro-4-drifluoromethyl)- Hexane, 1,1,1,2,3,3,4,5,5,6,6-dridecafluoro-4-drifluoromethyl)- Hexane, 1,1,1,2,3,4,5,5,6,6-dridecafluoro-4-perafluoromethyl)- Hexane, 1,1,1,2,3,4,5,5,6,6-dridecafluoro-4-perafluoromethyl)- Hexane, 1,1,1,2,3,3,4,5,5,6,6-dridecafluoro-4-perafluoromethyl)- Hexane, 1,1,1,2,3,3,4,5,5,6,6-dridecafluoro-6-iodo-2-(trifluoromethyl)- Hexane, 1,1,2,2,3,4,4,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,4,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,4,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,4,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,3,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,3,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,3,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,2,3,3,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dridecafluoro-1-perafluoromethyl)- Hexane, 1,1,2,3,3,4, | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated INES/ALKENES Fluorinated (meth)acrylate polymers Fluorinated urrehunes polymers | 6 4 7 8 8 8 10 6 10 6 | 6 6 4 7 7 8 8 8 10 6 6 12 3 |
| 355-43-4 206-586-6 355-44-2 218-055-6 558-69-0 86714-23-0 1735-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 13300-89-4 375-884-206-794-7 253873-70-0 1279108-20-1 135228-60-3 | Hexane, 1,1,1,2,2,3,3,4,4,5,6,6-dirideafluoro-6-iodo- Hexane, 1,1,2,2,3,3,4,4,5,6,6-dirideafluoro-6-iodo- Hexane, 1,1,2,2,3,3,4,5,5,6,6-dirideafluoro-4-(irifluoromethyl)- Hexane, 1,1,2,2,3,4,5,5,6,6-dirideafluoro-4-(irifluoromethyl)- Hexane, 1,1,2,2,3,5,5,6,6-dirideafluoro-4-(irifluoromethyl)- Hexane, 1,1,2,2,3,5,5,6,6-dirideafluoro-4-(irifluoromethyl)- Hexane, 1,1,2,2,3,4,5,5,6,6-dirideafluoro-4-(irifluoromethyl)- Hexane, 1,1,2,2,3,4,5,5,6,6-dirideafluoro-4-(irifluoromethyl)- Hexane, 1,1,2,2,3,4,5,5,6,6-dirideafluoro-1-(irifluoromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dirideafluoro-1-(irifluoromethyl)- Hexane, 1,1,2,3,3,4,5,5,6,6-dirideafluoro-1-(iriflu | polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated ALKANES ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated IODIDES polyiperfluorinated ALKANES/ALKENES Pluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated urethanes polymers Fluorinated urethanes polymers Fluorinated urethanes polymers Fluorinated urethanes polymers | 6 4 7 8 8 8 10 6 10 6 | 6 6 4 7 8 8 8 10 6 10 6 11 10 6 12 |
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| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1775-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 13308-98-4 375-80-4 206-794-7 253873-70-0 1279108-20-1 135228-60-3 35509-66-4 357624-15-8 306978-65-4 2-62-8 126927-97-7 335-56-8 206-391-6 355-41-9 27973-09-9-9 335-54-9 27973-09-9-9 335-54-9 27973-09-9-9 335-54-9 27973-09-9-9 335-54-9 27973-09-9-9 335-54-9 27973-09-9-9 335-54-9 27973-09-9-9 335-54-9 200-585-0 | Hexune, 1,1,2,2,33,4,4,55,6,6-diridecultuoro-6-iodo- Hexune, 1,1,1,2,2,33,4,4,55,6,6-diridecultuoro-6-iodo- Hexune, 1,1,1,2,2,33,4,5,5,6,6-diridecultuoro-6-iodo- Hexune, 1,1,1,2,2,33,4,5,5,6,6-diridecultuoro-4-(trifluoromethyl)- Hexune, 1,1,1,2,2,3,3,4,5,5,6,6-diridecultuoro-4-(trifluoromethyl)- Hexune, 1,1,1,2,3,3,4,5,5,6,6-diridecultuoro-4-(printipromethyl)- Hexune, 1,1,1,2,3,3,4,5,5,6,6-diridecultuoro-4-(printipromethyl)- Hexune, 1,1,1,2,3,3,4,5,5,6,6-diridecultuoro-4-(printipromethyl)- Hexune, 1,1,1,2,3,3,4,5,5,6,6-diridecultuoro-6-iodo-2-(trifluoromethyl)- Hexune, 1,1,1,2,3,3,4,5,5,6,6-diridecultuoro-6-iodo-2-(trifluoromethyl)- Hexune, 1,1,1,2,3,3,4,5,5,6,6-diridecultuoro-6-iodo-2-(trifluoromethyl)- Hexune, 1,1,2,2,3,4,4,5,5,6,6-diridecultuoro-1-(printifluoromethyl)- Hexune, 1,1,2,2,3,4,4,5,5,6,6-diridecultuoro-1-(printifluoromethyl)- Hexune, 1,1,2,2,3,4,4,5,5,6,6-diridecultuoro-1-(printifluoromethyl)- Hexune, 1,6-diisocyanato-homopolymer, opolymer with y-so-perfluoroalcohols C8-14, oxiranemethanol, 1,2-ethanediol and 2,4-diisocyanato-homopolymer, apha-1-1- - - - - - - - - | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES poly/perfluorinated urethanes polymers Pluorinated urethanes polymers poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 6 4 7 7 8 8 10 6 6 6 6 4 4 10 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 6 6 4 4 7 7 8 8 8 8 10 6 6 6 7 7 6 6 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1773-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 13308-89-4 253873-70-0 1279108-20-1 135228-60-3 35509-66-4 2-62-8 306978-65-4 2-62-8 126927-97-7 3355-68-8 206-391-6 355-41-9 297730-39-3 435-790-1 355-41-9 297730-39-3 435-790-1 355-41-9 297730-39-3 435-790-1 355-42-0 206-585-0 336-08-3 36-08-3 36-08-3 36-08-3 | | polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated IODIDES Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated urethanes polymers polyiperfluorinated ALKANES/ALKENES | 6 4 7 7 8 8 8 10 6 6 6 4 4 8 8 4 4 10 6 6 6 7 7 | 6 6 4 4 7 7 8 8 8 8 10 10 6 6 6 6 7 7 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1773-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 133080-89-4 375-80-1 206-794-7 253873-70-0 1279108-20-1 135228-60-3 35509-66-4 355-68-2 262-8 126927-97-7 3355-56-8 206-391-6 355-41-9 29773-03-93-9 435-790-1 355-42-0 355-42-0 206-585-0 335-68-0 336-08-320-6407-1 277752-44-0 | | polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated IODIDES pluorinated (methjacrylate polymers Fluorinated (methjacrylate polymers Fluorinated urethanes polymers ployiperfluorinated ALKANES/ALKENES polyiperfluorinated POLYMERS | 6 4 7 7 8 8 8 10 6 6 6 4 4 8 8 4 4 10 6 6 6 7 7 | 6 6 6 4 7 7 8 8 8 8 8 10 10 6 6 6 6 6 7 7 6 6 |
| 355-43-1 206-586-6 335-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1735-48-4 80632-8-2 3486-08-6 222-475-5 71076-47-6 13308-08-4 375-80-4 206-794-7 253873-70-0 1279108-20-1 13528-60-3 35509-66-4 357624-15-8 306978-65-4 2-62-8 126927-97-7 335-56-8 206-391-6 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 376-50-1 | | polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated ALKANES/ALKENES polyiperfluorinated IODIDES Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers Fluorinated urethanes polymers polyiperfluorinated ALKANES/ALKENES | 6 4 7 7 8 8 8 10 6 6 6 6 6 4 4 8 8 4 10 6 6 6 7 7 6 6 4 4 | 6 6 6 4 7 7 8 8 8 8 8 10 10 6 6 6 6 6 7 7 6 6 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1773-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 13300-89-4 375-88-1 206-794-7 255873-70-0 1279108-20-1 135228-60-3 35509-66-4 355-68-2 262-8 126927-97-7 353-55-68-2 206-39-1-6 355-41-9 207730-93-9 435-790-1 355-42-0 355-42-0 206-585-0 335-68-3 206-08-1 355-42-0 207530-99-9 435-790-1 355-42-0 355-68-0 335-68-3 206-08-7-0 355-68-0 335-68-3 206-08-7-0 355-68-0 335-68-3 206-08-7-0 355-68-0 335-68-3 206-08-7-0 355-68-0 335-68-3 206-08-7-0 355-68-0 335-68-3 206-08-7-0 355-68-0 336-08-3 206-08-7-0 207752-44-0 | | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES poly/perfluorinate | 6 4 7 8 8 10 6 6 6 4 4 10 6 6 6 7 7 6 6 4 4 | 6 6 4 7 7 8 8 8 100 6 6 112 3 3 222 4 4 8 8 8 110 6 6 6 7 7 6 6 4 4 |
| 355-43-1 206-586-6 335-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1735-48-4 80632-8-2 3486-08-6 222-475-5 71076-47-6 13308-08-4 375-80-4 206-794-7 253873-70-0 1279108-20-1 13528-60-3 35509-66-4 357624-15-8 306978-65-4 2-62-8 126927-97-7 335-56-8 206-391-6 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 27973-03-9 355-41-9 376-50-1 | | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES poly/perfluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated ALKANES/ALKENES poly/perfluorinated CARBOXYLIC ACIDS poly/perfluorinated CARBOXYLIC ACIDS | 6 4 7 7 8 8 8 10 6 6 6 6 6 4 4 8 8 4 10 6 6 6 7 7 6 6 4 4 | 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1773-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 133080-89-4 3375-80-4 206-794-7 253873-70-0 1279108-20-1 135228-60-3 357624-15-8 306978-65-4 2-62-8 126927-97-7 335-56-8 206-391-6 355-41-9 297730-93-9 435-790-1 3355-41-9 297730-93-9 435-790-1 335-41-9 297730-93-9 435-790-1 335-41-9 297730-93-9 345-790-1 335-41-9 297730-93-9 345-790-1 335-41-9 297730-93-9 345-790-1 335-68-0 345-690-1 378-690-1 378-81-62-2 | | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES poly/perfluorinate | 6 4 7 7 8 8 8 10 6 6 6 6 6 4 4 8 8 4 10 6 6 6 7 7 6 6 4 4 | 6 6 6 10 10 6 6 112 3 222 4 8 8 10 6 6 6 6 7 7 6 6 4 4 |
| 355-43-1 206-586-6 355-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1773-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 13308-89-4 253873-70-0 1279108-20-1 135228-60-3 35509-66-4 25369-68-4 2-62-8 126927-97-7 3355-68-2 206-391-6 355-41-9 227730-33-9 435-790-1 355-41-9 227730-33-9 435-790-1 355-41-9 227730-33-9 435-790-1 375-41-9 227730-33-9 435-790-1 375-41-9 277730-33-9 435-790-1 375-41-9 376-50-1 376-50-1 376-50-1 376-50-1 376-50-1 376-50-1 376-50-1 37881-62-2 16336-49-0 | Hexas, 1,11,22,33,44,55,66 of tidecultures 6-iods Hexas, 1,11,22,33,44,55,66 of tidecultures 5-iods Hexas, 1,11,22,33,44,55,66 of tidecultures 4-iods Hexas, 1,11,22,33,45,566 of tidecultures 4-iods Hexas, 1,11,22,33,45,566 of tidecultures 4-iods Hexas, 1,11,22,33,45,566 of tidecultures 4-iods Hexas, 1,11,22,33,55,66 of tidecultures 4-iods titlineomethyli- Hexas, 1,11,22,35,56,66 on discultures 4-iods titlineomethyli- Hexas, 1,11,22,35,56,66 on discultures 4-iods titlineomethyli- Hexas, 1,11,22,35,56,66 on discultures 6-iods 2-critineomethyli- Hexas, 1,11,22,35,56,66 on discultures 6-iods 2-critineomethyli- Hexas, 1,11,22,35,56,66 on discultures 6-iods 2-critineomethyli- Hexas, 1,11,22,35,45,56,66 of tidecultures 6-iods 2-critineomethyli- Hexas, 1,12,23,34,45,56,66 of tidecultures 6-iods 2-critineomethyli- Hexas, 1,12,23,34,45,56,66 of tidecultures 6-iods 2-critineomethyli- Hexas, 1,12,23,34,45,56,66 of tidecultures 1-iodicultures 6-iods 2-critineomethyli- Hexas, 1,12,23,34,45,56,66 of tidecultures 1-iodicultures 6-iodicultures 6-iodiculture | polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated IODIDES polyiperfluorinated ALKANES ALKENES polyiperfluorinated IODIDES polyiperfluorinated urethanes polymers pluorinated urethanes polymers pluorinated urethanes polymers pluorinated urethanes polymers pluorinated urethanes polymers polyiperfluorinated ALKANES ALKENES polyiperfluorinated CARBOXYLIC ACIDS polyiperfluorinated POLYMEKS polyiperfluorinated POLYMEKS polyiperfluorinated POLYMEKS polyiperfluorinated POLYMEKS polyiperfluorinated CARBOXYLIC ACIDS polyiperfluorinated CARBOXYLIC ACIDS polyiperfluorinated ALKANES ALKENES polyiperfluorinated POLYMEKS polyiperfluorinated CARBOXYLIC ACIDS | 6 4 7 7 8 8 8 10 6 6 6 6 6 4 4 8 8 4 10 6 6 6 7 7 6 6 4 4 | 6 6 4 4 7 7 8 8 8 100 6 6 112 3 3 222 4 4 8 8 10 10 6 6 6 7 7 6 6 6 7 6 6 4 4 6 6 5 5 |
| 355-43-1 206-586-6 335-44-2 2043-55-2 18-05-6 558-69-0 86714-23-0 1735-48-4 80632-8-2 3486-08-6 222-475-5 71076-47-6 13308-89-4 375-80-4 206-794-7 253873-70-0 1279108-20-1 135228-60-3 35509-66-4 357624-15-8 306978-65-4 2-62-8 12-6927-97-7 335-56-8 206-391-6 355-41-9 2977309-39-4 435-790-1 355-42-0 206-585-0 36-68-3 206-407-1 277752-44-0 376-50-1 378-81-62-2 16333-60-3 306-047-1 277752-44-0 376-50-1 378-81-62-2 116333-60-0 15899-29-3 | | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated OLINES poly/perfluorinated ALKANES/ALKENES Polorinated (methacy-late polymers Fluorinated (methacy-late polymers Fluorinated (methacy-late polymers Fluorinated urethanes polymers Pluorinated urethane | 6 4 7 7 8 8 8 10 6 6 6 6 4 4 8 8 4 4 10 6 6 6 7 7 6 6 4 4 4 6 6 5 7 7 | 6 6 4 7 8 8 10 6 10 6 6 12 3 2 2 4 8 8 8 10 10 6 6 6 6 7 7 6 6 7 7 6 6 7 7 8 8 8 8 8 8 |
| 355-43-1 206-586-6 335-44-2 2043-55-2 218-05-6 558-69-0 86714-23-0 1735-48-4 80632-82-2 3486-08-6 222-475-5 71076-47-6 13308-98-4 375-80-4 206-794-7 253873-70-0 1279108-20-1 135228-60-3 35509-66-4 357624-15-8 306978-65-4 2-62-8 126927-97-7 335-56-8 206-391-6 355-41-9 27973-09-39-9 335-54-9 335-64-07-1 27772-44-0 336-08-1 378-16-01 378-16-01 378-16-01 378-16-22 163336-49-0 15599-29-3 68015-84-9 | | poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated IODIDES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES poly/perfluorinate | 6 4 7 7 8 8 8 10 6 6 6 6 4 4 8 8 4 4 10 6 6 6 7 7 6 6 4 4 4 6 6 5 7 7 | 6 6 4 7 8 8 10 6 10 6 6 12 2 2 4 8 8 8 10 10 6 6 6 7 7 6 6 7 7 |

| 21615-47-4 244-479-6 | Hexanoic acid, undecafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 6 |
|--|--|--|--|--|
| 2923-26-4 | Hexanoic acid, undecafluoro-, sodium salt | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 6 |
| 64018-24-2 | Hexanoyl chloride, 3,3,4,4,5,6,6,6-nonafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 1422-98-6 | Hexanoyl chloride, 3.5,6-trichloro-2.2,3,4,4,5,66-octafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 5 | 5 |
| 355-38-4 206-582-4 | Hexanoyl fluoride, 2,2,3,3,4,5,5,6,6-undecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 5 | 5 |
| 18017-31-7 | Hexanoyl fluoride, 2,2,3,3,4,5,6,6-decafluoro-5-(trifluoromethyl)- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 6 | 6 |
| 90411-87-3 | Hydrofluoric acid, reaction products with 1-octanesulfonyl fluoride, fluorocarbon by-products | poly/perfluorinated CARBOXYLIC ACIDS | 1 | 99 |
| 90411-88-4 | Hydrofluoric acid, reaction products with octanoyl fluoride, fluorocarbon by-products | OTHER poly/perfluorinated ORGANICS | 1 | 99 |
| 110053-43-5 | | poly/perfluorinated POLYMERS | | |
| 194999-85-4 | Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4-nonafluoro-1-butanesulfonic acid (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 213740-80-8 | Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,5,5,6,6,7,7,8,8-heptadecafluoro-1-octanesulfonic acid (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 160738-69-2 | | poly/perfluorinated IODIDES | 5 | 14 |
| 25684-89-3 | | Polytetrafluoroethylene (PTFE) | 4 | 4 |
| | | poly/perfluorinated ESTERS | - | 9 |
| 93894-56-5 | | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| 93894-57-6 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 9 | |
| 93894-65-6 | | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 93894-66-7 | | N-alkyl perluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 93894-71-4 | | N-aikyi perfluoroaikyi sulfonamides (FASAs) N-aikyi perfluoroaikyi sulfonamides (FASAs) | 8 | 8 |
| 93894-71-4 | isoccanesinoniamus, pepasacentuoro-N-nentyp- isoccanesinoniamus, p | N-alkyl pertluoroalkyl sulfonamides (FASAs) poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| ,,,,,,,,, | | party party and the party and | 8 | 8 |
| 93894-73-6 | | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 93894-68-9 | | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 8 |
| 172018-29-0 | | poly/perfluorinated POLYMERS | | 2 |
| | | Polyfluoro siloxanes and silicones polymers | | 8 |
| 75032-95-0 | | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| 160402-15-3 | Linear perfluoroalkyl(C1-24)iodide | poly/perfluorinated IODIDES | 1 | 24 |
| 349660-50-0 | Methanol, reaction products fluorinated 2,2,3,3-tetrafluorooxetane homopolymer-iodine reaction products-trichloroethenylsilane polymer | Fluorinated oxetane polymers | | |
| 19190-61-5 700-677-9 | | poly/perfluorinated ETHERS | 2 | 4 |
| 958445-54-0 640-001-9 | Methyl 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy propanoate | poly/perfluorinated CARBOXYLIC ACIDS | 2 | 5 |
| 160498-33-9 | Monoperfluoroalkyl(C10-18) phosphate diammonium | poly/perfluorinated PHOSPHOORGANICS | 10 | 18 |
| 55716-11-5 | Morpholine, 2,2,3,3,5,6,6-octafluoro-4-(1,1,2,2,2-pentafluoroethyl)- | poly/perfluorinated ESTERS | 2 | 2 |
| 382-28-5 206-841-1 | Morpholine, 2,2,3,3,5,6,6-octafluoro-4-(trifluoromethyl)- | poly/perfluorinated ESTERS | 1 | 2 |
| 1600-71-1 | Morpholine, 2,2,3,3,5,6,6-octafluoro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]- | OTHER poly/perfluorinated ORGANICS | 7 | 7 |
| 25628-08-4 700-536-1 | N.Ntriethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate | poly/perfluorinated SULFONAMIDES | 4 | 4 |
| 160402-26-6 | | OTHER poly/perfluorinated ORGANICS | 7 | 11 |
| 1220100-43-5 700-737-4 | | poly/perfluorinated AMMONIUM ORGANICS | 3 | 3 |
| 82030-83-9 | | OTHER poly/perfluorinated ORGANICS | 4 | 14 |
| 410-690-9 | | OTHER poly/perfluorinated ORGANICS | 3 | 3 |
| 160336-21-0 | | OTHER poly/perfluorinated ORGANICS | 1 | 12 |
| 154380-34-4 | | OTHER poly/perfluorinated ORGANICS | | |
| 125061-94-1 | | | 6 | 6 |
| | | | 6 | 6 |
| 206.02.2 | Naphthalene, [difluorov(1,2,2,3,3,4,5,5,6.6 undecafluorocyclohexyl)methyl heptadecafluorodecahydro- | poly/perfluorinated NAPHTHALENES | 17 | 17 |
| 306-92-3 | Naphthalene, [difluoro(1,2,2,3,3,4,4,5,6,6-undocafluorocyclobexyl)methy][heptadecafluorodecahydro-Naphthalene, 1,1,2,2,3,3,4,4,a,5,5,6,6,7,7,8,8-heptadecafluorodecahydro-8-(trifluoromethyl)- | poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES | 17 11 | 17 11 |
| 119141-87-6 | Naphthalene, [difluoro(1,2,2,3,4,4,5,6,6-undecafluorocyclohexyl)methy[]heptadecafluorodecahydro- Naphthalene, 1,1,2,2,3,3,4,4,a,5,5,6,6,7,8,8a-heptadecafluorodecahydro-8-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8a-heptadecafluoro-74,1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propyl]decahydro- | poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES | 17 11 14 | 17 11 14 |
| 119141-87-6 119107-96-9 | Naphthalene, [difluorot1,2,2,33,4,4,5,5,6,6-undecafluorocyclobexy]/methy] heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,5,5,6,6-undecafluorodecallydro-8 (trifluoromethy])- Naphthalene, 1,1,2,2,3,3,4,4,5,5,6,6-7,8,8,8-heptadecafluorodecallydro-7 (trifluoromethy]- Naphthalene, 1,1,2,2,3,3,4,4,4,5,5,6,6-7,8,8,8-heptadecafluorodecallydro-7 (nonafluorobuty]- Naphthalene, 1,1,2,2,3,3,4,4,4,5,5,6,6,7,8,8,8-heptadecafluorodecallydro-7 (nonafluorobuty]- | poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES | 17 11 14 14 | 17 11 14 14 |
| 119141-87-6 119107-96-9 306-95-6 | Naphthalene, [difluoro(1,2,2,3,3,4,4,5,5,6,6 undecafluorocyclobexyl)methy[]heptadecafluorodecalydro- Naphthalene, 1,1,2,2,3,3,4,4,4,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-8-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,3,4,4,a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)propy[decalydro- Naphthalene, 1,1,2,2,3,3,4,4,a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(nonafluorobutyl)- Naphthalene, 1,1,2,2,3,3,4,4,a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- | poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES poly/perfluorinated NAPHTHALENES | 17 11 14 14 14 | 17 11 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 | Naphthalene, [difluoro(1,2,2,3,3,4,4.5,5,6,6 undecafluorocyclobexyl)methy[]heptadecafluorodecalydro- Naphthalene, 1,1,2,2,3,3,4,4.a,5,5,6,6,7,8,8.8-heptadecafluorodecalydro-8-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,3,4,4.a,5,5,6,6,7,8,8.8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,4,4,a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,4,4,a,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,4,4,a,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,4,4,a,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,4,4,a,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,4,4,a,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1,2,2,3,3,4,4,a,5,6,6,7,8,8,8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1,1 | poly/perfluorinated NAPHTHALENES | 17 11 14 14 14 14 | 17 11 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 | Naphthalene, [difluorot.].2.2.3.3.4.4.5.5.6.6-undecafluorocyclohevy()methyl[heptadecafluorodecalydro- Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.6.7.7.8.8-heptadecafluorodecalydro-8-(trifluoromethyl)- Naphthalene, 1.1.2.2.3.3.4.4.6.5.6.6.7.8.8.8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.6.7.8.8.8-heptadecafluorodecalydro-7-(nonafluorobutyl)- Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.6.7.8.8.8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1.1.2.3.3.4.4.6.5.6.6.7.8.8.8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1.1.2.3.3.4.4.4.5.5.6.6.7.8.8.8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1.1.2.3.3.4.4.4.5.5.6.6.7.8.8-heptadecafluorodecalydro-7-(trifluoromethyl)- Naphthalene, 1.1.2.3.3.4.4.4.5.5.6.6.7.8.8-heptadecafluorodecalydro-7-(2.2.4-tifluoro-1.1-bis(trifluoromethyl)-pthyl)- | poly/perfluorinated NAPHTHALENES | 17 11 14 14 14 | 17 11 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 | Naphthalene, [difluoro(1,2,2,33,4,4,5,5,6,6 undecafluorocyclobexyl)methyl[heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,4,5,5,6,6,7,8,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,3,3,4,4,4,5,5,6,6,7,8,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3, | poly/perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 | Naphthalene, [difluoro(1,2,2,3,3,4,4,5,5,6,6 undecafluorocyclobery()methy()heptadecafluorodecalydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecalydro-2(trifluoromethyl)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7(nonafluorobutyl)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7(nonafluorobutyl)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7(nonafluorobutyl)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7(nonafluorobutyl)- Naphthalene, 1,1,2,3,3,4,4a,5,5,6,6,7,8,8-heptadecafluorodecalydro-7(nonafluorobutyl)- Naphthalene, 1,1,2,3,3,4,4a,5,5,6,6,7,8,8-heptadecafluorodecalydro-7(2,2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,3,3,4,4a,5,5,6,6,7,8,8-heptadecafluorodecalydro-7(2,2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,3,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decaflydro- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecafluoro-7(2,2-trifluoro-1,1-bis(trifluoromethyl)ptopyl)decafluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluoro-1,2,3,4-trifluo | poly/perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 | Naphthalene, [difluoro(1,2,2,3,3,4,4.5,5,6,6 undecafluorocycloberyl)methyl]heptadecafluorodecalydro- Naphthalene, 1,1,2,2,3,3,4,4.6,5,6,6,7,7,8,8-heptadecafluorocycloberyl-responsibility Naphthalene, 1,1,2,2,3,3,4,4.6,5,6,6,7,8,8,8-heptadecafluoro-?-(1,1,2,3,3-hexafluoro-2-(trifluoromethyl)propyl/decaflydro- Naphthalene, 1,1,2,2,3,3,4,4.6,5,6,6,7,8,8,8-heptadecafluoro-decaflydro-? (trifluoromethyl)propyl/decaflydro- Naphthalene, 1,1,2,2,3,3,4,4.6,5,6,6,7,8,8-heptadecafluoro-2/1,2,2,3,3-hexafluoro-1-(trifluoromethyl)propyl/decaflydro- Naphthalene, 1,1,2,2,3,3,4,4.6,5,6,6,7,8,8-heptadecafluoro-2/1,2,2,3,3-hexafluoro-1,1-his/trifluoromethyl)propyl/decaflydro- Naphthalene, 1,1,2,2,3,3,4,4.6,5,6,6,7,8,8-heptadecafluoro-2/1,2,2-trifluoro-1,1-his/trifluoromethyl)propyl/decaflydro- Naphthalene, 1,1,2,2,3,3,4,5,6,6,7,8,8-heptadecafluoro-1,2,3,4-tetralydro- Naphthalene, 1,1,2,2,3,3,4,5,6,6,7,8,8-heptadecafluoro-1,2,3,4-tetralydro- Naphthalene, 2,1,1,2,2,3,3,4,5,6,6,7,8,4-decafluoro-1,2,3,4-tetralydro- Naphthalene, 2,1,1,2,2,3,3,4,5,6,6,7,8-dodecafluoro-1,2,3,4-tetralydro- Naphthalene, peptadecafluoro(1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propyl)- | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-66-5 | Naphthalene, [difluoro(1,2,2,33,4,4,5,5,6,6 undecafluorocyclobery])methy[]heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,5,5,6,6,7,8,8a-heptadecafluorodecallydro-8 (trifluoromethyl)propy]decallydro- Naphthalene, 1,1,2,2,33,4,4,4a,5,5,6,6,7,8,8a-heptadecafluorodecallydro-7 (tonafluorobutyl)- Naphthalene, 1,1,2,2,33,4,4,4a,5,5,6,6,7,8,8a-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,1,2,2,33,4,4,4a,5,5,6,6,7,8,8a-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,1,2,2,33,4,4a,5,5,6,6,7,8,8a-heptadecafluorodecallydro-7 (trifluoromethyl)-propy]decallydro- Naphthalene, 1,1,2,2,33,4,4a,5,5,6,6,7,8,8a-heptadecafluorodecallydro-7 (2,2,3-ifluoro-1,4-ifstirfluoromethyl)-propy]decallydro- Naphthalene, 1,1,2,2,33,4,4a,6,5,6,6,7,8,a-heptadecafluorodecallydro-7 (2,2,2-irifluoro-1,4-ifstirfluoromethyl)-propylldecallydro- Naphthalene, 1,1,2,2,33,4,4a,6,5,6,6,7,8,a-heptadecafluorodecallydro-7 (2,2-irifluoro-1,4-ifstirfluoromethyl)-propylldecallydro- Naphthalene, 1,1,2,2,33,4,5,6,6,7,8,a-heptadecafluorodecallydro-7 (2,2-irifluoromethyl)-propyll- Naphthalene, 1,1,2,2,33,4,5,6,6,7,8,a-heptadecafluorodecallydro-7 (2,2-irifluoromethyl)-propyll- Naphthalene, 1,1,2,2,3,3,3,3,3,4,4,6,5,8,decafluorodecallydro-7 (1,2,3,3,3,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4 | poly/perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 | Naphthalene, [difluoro(1,2,2,33,44,45,56,67,78,88-heptadecafluorocycloberyl)methyl[heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,46,55,66,77,88,8-heptadecafluorocycloberyl)- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,8-heptadecafluorocycloberyl- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,8-heptadecafluorochecallydro-7-(nonafluorobutyl- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,8-heptadecafluorochecallydro-7-(nonafluorobutyl- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,8-heptadecafluorochecallydro-7-(nonafluorobutyl- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,8-heptadecafluorochecallydro-7-(nifluoromethyl- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,8-heptadecafluoro-7-(1,2,2,3,3-hexafluoro-1-(trifluoromethyl-ptopyl]decallydro- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,8-heptadecafluoro-7-(1,2,2,3,3-hexafluoro-1-(trifluoromethyl-ptopyl]decallydro- Naphthalene, 1,1,2,2,33,4,5,56,7,8-dodecafluoro-1,2,3,4-tertallydro- Naphthalene, 1,1,2,2,3,3,4,5,5,67,8-dodecafluoro-1,2,3,4-tertallydro- Naphthalene, 2,4,1,2,2-tertalluorochoxyl- Naphthalene, 1,4,1,2,3,3,4-tertalluorochoxyl- Naphthalene, 1,4,1,2,3,3,4-tertalluorochoxyl- Naphthalene, 1,4,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1, | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-64-5 118945-64-5 118945-65-5 51294-16-7 | Naphthalene, [difluoro(1,2,2,3,3,4,4,5,5,6,6 undecafluorocyclobery()methy[]heptadecafluorodecalydro- Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,7,8,8-heptadecafluorodecalydro-2 (trifluoromethy)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (trifluoromethy)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, 1,1,2,2,3,3,4,4a,5,5,6,6,7,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8-heptadecafluorodecalydro-7 (nonafluorobuty)- Naphthalene, heptadecafluorod (1,2,3,3,3-hexafluoro-1 (trifluoromethy)- Naphthalene, heptadecafluorod (1,2,3,3,3-hexafluoro-1 (trifluoromethy)- Naphthalene, heptadecafluorod (1,2,3,3,3-hexafluoro-1 (trifluoromethy)- Naphthalene, heptadecafluorod (2,2,3,3,3-hexafluoro-1 (trifluoromethy)- Naphthalene, heptadecafluorod-(nonafluorobuty)- | poly iperfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 | Naphthalene, [difluoro(1,2,2,33,44,5,5,6,6*undecafluorocyclobexy)(mothyl]beptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,4,5,5,6,6*7,7,8,8*beptadecafluorodecallydro-7 (conafluorobety)- Naphthalene, 1,1,2,2,33,4,4,4,5,5,6,6*7,8,8,8*beptadecafluorodecallydro-7 (conafluorobuty)- Naphthalene, 1,1,2,2,33,4,4,4,5,5,6,6*7,8,8,8*beptadecafluorodecallydro-7 (conafluorobuty)- Naphthalene, 1,1,2,2,33,4,4,4,5,5,6,6*7,8,8,8*beptadecafluorodecallydro-7 (confluorobuty)- Naphthalene, 1,1,2,3,3,4,4,6,7,8*decafluoro-1,2,3,4-strallydro-1,2,2-strifluoron-1,3,4-strallydro-1,3,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,2,3,3-bexafluoro-1,2,4-strallydro-1,2,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,4-strallydro-1,2,3,3-bexafluoro-1,2,4-strallydro-1,2,3,3-bexaf | pody/perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-94-5 306-192-4 | Naphthalene, [difluoro(1,2,2,33,44,5,5,6,6 undecafluorocyclobery) methy heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,2,2,33,44,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,a5,5,6,6,7,8,8a-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,a5,5,6,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,6,7,8-heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,5,6,7,8-dodecafluoro-1,2,3,4-tetrallydro- Naphthalene, 1,1,2,2,3,3,4-tetrallydro- Naphthalene, 1,2,2,3,3,4-tetrallydro- Naphthalene, 1,2,2,3,3,4-tetrallydro- Naphthalene, 1,2,2,3,3,4-tetrallydro- Naphthalene, 1,2,2,3,3,4-tetrallydro- Naphthalene, 1,2,2,3,3,3-tetrallydro- Naphthalene, 1,2,2,3,3,3-tetrallydro- Naphthalene, | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 11 10 | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 279-608-9 118945-65-6 118945-65-6 118945-61-5 118914-93-5 51294-16-7 118914-94-6 | Naphthalene, [difluoro(1,2,2,33,44,45,56,67,78,88-heptadecafluorocyclobaryl)methyl[heptadecafluorodecalydro- Naphthalene, 1,1,2,2,33,44,46,55,66,77,88,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,2,33,4,44a,55,66,78,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,2,33,4,4a,5,56,67,88,88-heptadecafluorocyclobarylor- Naphthalene, 1,1,2,3,33,4a,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,33,4a,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,33,4a,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 2,1,1,2,2,4,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 2,1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluoro- Naphthalene, 2,1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluorocy Naphthalene, 2,1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluorocy Naphthalene, 2,1,1,2,3,3,4,4,5,56,67,88,88-heptadecafluorocy Naphthalene, 2,1,1,2,2,3,3,4,4,1,5,56,67,88,88-heptadecafluorocy Naphthalene, 2,1,1,2,2,3,4,4,1,2,5,6,67,88,88-heptadecafluoroc | pody/perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 | 17 11 14 14 14 14 14 14 14 14 14 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-94-5 306-192-4 | Naphthalene, [difluoro(1,2,2,33,44,45,56,67,78,88-heptadecafluorocycloberyl)methyl[heptadecafluorodecalydro-Naphthalene, 1,1,22,33,44,46,55,66,77,88,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,46,55,66,78,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,46,55,66,78,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,46,55,66,78,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,46,55,66,78,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,46,55,66,78,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,46,55,66,78,88-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,22,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,23,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,23,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,23,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,23,33,44,55,66,78-heptadecafluorocy-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 11 10 | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 10 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-94-3 206-192-4 313-72-4 206-239-9 | Naphthalene, [difluoro(1,2,2,3,3,4,4,5,5,6,6*,7,8,8-heptadecafluorocyclobaryl)methyl[heptadecafluorodecalydro-Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6*,7,8,8-heptadecafluorodecalydro-Qurifluoromethyl)propyl[decalydro-Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobutyl)-Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobutyl)-Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobutyl)-Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (nonafluorobutyl)-Naphthalene, 1,1,2,2,3,3,4,4,6,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (1,2,2,3-hexafluoro-1-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,3,3,4,4,5,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (2,2,2-trifluoro-1,1-bistrifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,3,3,4,5,6,6,7,8,8,8-heptadecafluorodecalydro-7 (2,2,2-trifluoro-1,1-bistrifluoromethyl)propyl]-Naphthalene, heptadecafluorod, 1,2,3,3-hexafluoro-1-(trifluoromethyl)propyl]-Naphthalene, heptadecafluorodecalydro(nonafluorobutyl)-Naphthalene, cotadecafluorodecalydro(nonafluorobutyl)-Naphthalene, cotadecafluorodecalydro(nonafluorobutyl)-Naphthalene, octadecafluorodecalydro(nonafluorobutyl)-Naphthalene, octadecafluorodecalydro(nonafluorobutyl)-Naphthalene, octadecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorodecafluorode | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 11 10 | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 10 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 279-68-9 118945-65-6 118945-65-6 118945-65-1 118914-93-5 51294-16-7 118914-94-6 306-94-5 306-94-5 313-72-4 315-72 | Naphthalene, [difluoro(1,2,2,33,44,5,5,6,6 undecafluorocyclobery)(methyl)Peptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,45,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,44,45,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,4,45,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,3,4,44,5,5,6,6,7,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,4,4,4,5,5,8,6,7,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,3,3,4,44,5,5,8,6,7,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,3,3,4,44,5,6,8,7,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,3,3,4,4,4,5,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,3,3,4,4,8,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,3,3,4,4,8,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,4,4,8,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,4,4,8,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,4,4,8,8,8,8,8 heptadecafluorodecallydro- Naphthalene, 1,1,2,2,3,4,4,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8 | poly/perfluorinated NAPHTHALENES N-alkyl perfluoroalkyl sulfonamides (FASAs) | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 11 10 | 17 11 14 14 14 14 14 14 14 14 11 14 14 14 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-94-5 206-192-4 313-72-4 206-239-9 31506-34-0 1-45-9 | Naphthalene, [difluoro(1,2,2,33,44,5,5,6,6,77,8,8-heptadecafluorodecalydro-Naphthalene, [difluoronethyl)-Naphthalene, 1,12,2,33,44,6,5,6,6,77,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,44,6,5,6,6,7,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,44,6,5,6,6,7,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,44,6,5,6,6,7,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,5,6,6,7,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,5,6,6,7,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,5,6,6,7,8,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,5,6,6,7,8-heptadecafluorodecalydro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,33,4,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8-dodecafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,6,7,8,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,4,5,6,6,7,8,8-docafluoro-V(rifluoromethyl)-Naphthalene, 1,12,2,3,3,4,4,5,6,6,7,8,8-docafluoro-V(rifluoromethyl | poly/perfluorinated NAPHTHALENES poly/p | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 11 10 | 17 11 14 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 14 11 11 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-94-3 313-72-4 206-239-9 31506-34-0 145-9 1-51-1 | Naphthalene, [difluoro(1,2,2,33,4,4,5,5,6,6,7,8,8-heptadecafluorocycloberyl)methyl[heptadecafluorodecalydro-Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8-heptadecafluorocy-(1,1),3-headluoro-2-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8-heptadecafluorocy-(1,1),3-headluoro-1-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,33,4,44,5,5,6,6,7,8,8-heptadecafluorocy-(1,1),2,3,3-headluoro-1-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,33,4,4,4,5,5,6,6,7,8,8-heptadecafluorocy-(1,2,2,3,3,3-headluoro-1-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,33,4,4,5,5,6,7,8,8-heptadecafluorocy-(1,2,2,3,3,3-headluoro-1-(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,33,4,4,5,5,6,7,8-heptadecafluoro-1,2,3-hetafluoro-1,1-his(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,3,4,4,5,5,6,7,8-heptadecafluoro-1,2,3-hetafluoro-1,1-his(trifluoromethyl)propyl]decalydro-Naphthalene, 1,1,2,2,3,4,4,5,5,6,7,8-heptadecafluoro-1,2,3-hetafluoro-1,2, | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 11 11 11 11 18 18 18 8 8 8 | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 18 18 8 8 8 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 279-60-89 118945-65-6 118945-65-6 118945-65-6 118945-67 118914-94-6 306-94-3 306-192-4 3137-72-4 206-239-9 31506-34-0 1-45-9 1-51-1 1-50-0 | Naphthalene, [difluoro(1,2,2,33,44,45,5,6,67,78,88-heptadecafluorodecallydro-8 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,45,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,45,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,45,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,45,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,6,67,88,88-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,8,6,7,88-heptadecafluorodecallydro-7 (1,2,2,3-trifluoro-1,1-bistrifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,8,6,7,88-heptadecafluorodecallydro-7 (1,2,2-trifluoro-1,1-bistrifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,8,6,7,8,8-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,8,6,7,8,8-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,44,46,5,8,6,7,8,8-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,4,46,5,8,8-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, 1,12,2,33,4,46,5,8,8-heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, heptadecafluorodecallydro-7 (trifluoromethyl)- Naphthalene, heptadecafluorodecallydro(1,12,3,3)-hexafluoro-1 (trifluoromethyl)- Naphthalene, heptadecafluorodecallydro(1,12,3,3)-hexafluoro-1,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluorodecallydro(2,2,2-trifluoro-1,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluorodecallydro-7,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluorodecallydro(2,2,2-trifluoro-1,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluorodecallydro-7,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluorodecallydro-7,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluorodecallydro-7,1-bis(trifluoromethyl)- Naphthalene, ocatalecafluoro | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 11 11 15 11 16 18 18 18 18 18 18 | 17 11 14 14 14 14 14 14 14 14 11 14 11 18 18 18 18 18 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 279-60-8-9 118945-65-6 118945-65-5 118945-64-5 11894-93-5 51294-16-7 118914-94-6 306-94-5 206-192-4 313-72-4 313-72-4 315-63-40 1-45-9 1-51-1 1-50-0 1-51-0 | Naphthalene, [difluoro(1,2,2,33,44,45,5,6,6*) undecafluorocyclobery()methy[heptadecafluorodecallydro-8 (rifluoromethy[h) Naphthalene, 1,1,2,2,33,44,45,5,6,6*,78,88-heptadecafluorodecallydro-7 (romafluorobuty)- Naphthalene, 1,1,2,2,33,44,45,5,6,6*,78,88-heptadecafluorodecallydro-7 (romafluorobuty)- Naphthalene, 1,1,2,2,33,44,45,5,6,6*,78,88-heptadecafluorodecallydro-7 (rifluoromethy)- Naphthalene, 1,1,2,2,33,4,44,5,5,6,6*,78,88-heptadecafluorodecallydro-7 (rifluoromethy)- Naphthalene, 1,1,2,2,33,4,4,5,8,6,6*,78,88-heptadecafluorodecallydro-7 (rifluoromethy)- Naphthalene, 1,1,2,2,33,4,4,5,5,6,6*,78,88-heptadecafluorodecallydro-7 (rifluoromethy)- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6*,78,88-heptadecafluorodecallydro-7 (rifluoromethy)- Naphthalene, 1,1,2,2,3,4,4,5,5,6,6*,78,88-heptadecafluorodecallydro-7 (rifluoromethy)- Naphthalene, heptadecafluorodecallydro(romafluorodecallydro)-1 (rifluoromethy)- Naphthalene, heptadecafluorodecallydro(romafluorodecallydro-1-bis(rifluoromethy)- Naphthalene, heptadecafluorodecallydro(romafluorodecallydro)-1-bis(rifluoromethy)- Naphthalene, heptadecafluorodecallydro(romafluorodecallydro-1-bis(rifluoromethy)- Naphthalene, octadecafluorodecallydro(romafluorodecallydro)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(rifluoromethy)-1-bis(ri | poly/perfluorinated NAPHTHALENES Pluorinated (meth).ecylate polymes Pluorinated urchanes, polymes poly/perfluorinated COOPOL/WHERS poly/perfluorinated POL/WHERS | 17 11 14 14 14 14 14 14 14 11 11 15 11 16 18 18 18 18 18 18 | 17 11 14 14 14 14 14 14 14 14 11 14 11 18 18 18 18 18 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 279-6-08-9 118945-65-6 118945-65-6 118945-65-5 118914-93-5 51294-16-7 118914-94-6 306-94-5 206-192-4 313-72-4 206-239-9 31506-34-0 1-45-9 1-51-1 1-50-0 1-51-0 | Naphthalene, [difluoro(1,2,2,33,44,55,6,67,78,84-beptadecafluorodecallydro-8 (rifluoromethyl)- Naphthalene, 1,1,2,2,33,44,45,56,67,88,84-beptadecafluorodecallydro-7 (rifluoromethyl)- Naphthalene, 1,1,2,2,33,44,56,67,8-docafluoro-1,2,3,4-tertallydro- Naphthalene, 1,1,2,2,33,4,4,5,56,7,8-docafluoro-1,2,3,4-tertallydro- Naphthalene, 1,1,2,2,3,3,4,5,5,6,7,8-docafluoro-1,2,3,4-tertallydro- Naphthalene, 1,1,2,2,3,3,4,5,5,6,7,8-docafluoro-1,2,3,4-tertallydro- Naphthalene, 1,1,2,2,3,3,4,5,5,6,7,8-docafluoro-1,2,3,4-tertallydro- Naphthalene, 1,1,2,2,3,3,4,5,5,6,7,8-docafluoro-1,2,3,4-tertallydro-1,2,3,3-tertallydro-1,2,3,3-tertallydro-1,2,3,3-tertallydro-1,2,3,3,3-tertallouro-1,2,3,3-tertallydro-1,2,3,3-tertal | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 11 15 16 17 18 18 18 18 18 18 | 17 11 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 18 8 8 8 |
| 119141-87-6 119107-96-9 306-95-6 119141-86-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-92-9 31506-34-0 1-45-9 1-51-1 1-50-0 1-51-0 1-51-2 332912-47-7 | Naphthalene, [diffuor(1,22,33,44,45,5,6,67,3,84-beptadecaffuorockenlydpo-8-(trifuoromethylp-1) Naphthalene, 1,12,23,34,44,55,6,67,3,88-beptadecaffuorockenlydno-7-(trifuoromethylpropyl decalydro- Naphthalene, 1,12,23,34,44,55,66,78,88-beptadecaffuorockenlydno-7-(trifuoromethylpropyl decalydro- Naphthalene, 1,12,23,34,44,55,66,78,88-beptadecaffuorockenlydno-7-(trifuoromethylpropyl decalydro- Naphthalene, 1,12,23,34,44,55,66,78,88-beptadecaffuorockenlydno-7-(trifuoromethylpropyl decalydro- Naphthalene, 1,12,23,34,44,55,66,78,88-beptadecaffuorockenlydno-7-(12,23,34,58-absent)-1-(trifuoromethylpropyl) Naphthalene, 1,12,23,34,44,55,66,78,88-beptadecaffuorockenlydno-7-(12,23,34,58-absent)-1-(trifuoromethylpropyl) Naphthalene, 1,12,23,34,44,55,66,78,88-beptadecaffuorockenlydno-7-(12,23,34,58-absent)-1-(trifuoromethylpropyl) Naphthalene, 1,12,23,34,44,55,68-doseaffuoro-1,23,4-tertalydro- Naphthalene, 1,12,23,34,44,57,86,07,88,8-beptadecaffuoro-1,23,4-tertalydro- Naphthalene, 1,12,23,34,4,12,33,4-tertalydro- Naphthalene, 1,12,12,33,4-tertalydro- Naphthalene, 1,12,12,33,4,4,12,12,33,4-tertalydro- Naphthalene, 1,12,12,33,4,12,12,12,12,12,12,12,12,12,12,12,12,12, | polyperfluorinated NAPHTHALENES polyperfluorinated COPOCLYMERS polyperfluorinated ODDES | 17 11 14 14 14 14 14 14 11 11 15 16 17 18 18 18 18 18 18 18 18 | 17 11 14 14 14 14 14 14 14 14 14 11 14 11 14 11 14 11 11 |
| 119141-87-6 119107-96-9 306-95-6 119141-88-5 119107-97-0 2342-07-6 2796-08-9 118945-65-6 118945-65-6 118945-64-5 118914-93-5 51294-16-7 118914-94-6 306-94-2 306-94-2 313-72-4 313-72-4 1-51-1 1-50-0 1-51-0 1-51-0 1-51-0 1-51-0 1-51-2 332912-47-7 558-97-4 | Naphthalene, [difluorov (1.2.2.3.3.4.4.5.5.6.6.7.8.8.8.beptadecalluoroocelulydro-8-(trifluoromethyl)- Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.6.7.8.8.8.beptadecalluoroof-(1.1.2.3.3.3.4.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.6.7.8.8.8.beptadecalluoroof-(1.1.2.3.3.3.4.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.6.7.8.8.8.beptadecalluoroof-(1.1.2.3.3.3.4.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.6.7.8.8.8.beptadecalluoroof-(1.1.2.3.3.4.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.6.7.8.8.8.beptadecalluoroof-(1.1.2.3.3.d.). Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.7.8.8.beptadecalluoroof-(1.2.2.3.3.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.4.5.5.6.7.8.8.beptadecalluoroof-(1.2.2.3.3.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.7.8.8.beptadecalluoroof-(1.2.2.3.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.7.8.8.beptadecalluoroof-(1.2.2.3.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.7.8.6.0.8.beptadecalluoroof-(1.2.2.3.a.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.7.8.8.beptadecalluoroof-(1.2.3.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.5.6.7.8.8.beptadecalluoroof-(1.2.3.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.6.6.7.8.8.beptadecalluoroof-(1.2.3.d.). Naphthalene, 1.1.2.2.3.3.4.4.5.6.6.7.8.8.beptadecalluoroof-(1.1.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0 | poly perfluorinated NAPHTHALENES | 17 11 14 14 14 14 14 14 14 15 11 14 18 8 8 8 8 8 8 8 9 | 17 11 14 14 14 14 14 14 14 14 14 14 14 15 16 18 18 18 18 18 18 18 19 |

| 71726-31-3 | Nonane, 9-(ethenyloxy)-1,1,2,2,3,3,4,4,5,6,6,7,7,8,8-hexadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 9 | 9 |
|--|--|--|---|--|
| 375-96-2 | Nonane, eicossifluoro- | poly/perfluorinated ALKANES/ALKENES | 9 | 9 |
| 4149-60-4 | Nonanoic acid, 2,2,3,3,4,4,5,6,6,7,7,8,9,9,9-heptadecafluoro-, ammonium salt (1:1) | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 76-21-1 200-944-5 | Nonanoic acid, 2,2,3,3,4,5,5,6,6,7,8,8,9,9-hexadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 1868-86-6 | Nonanoic acid, 2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 754-87-0 | Nonanoic acid, 2,4,6,8,9-pentachloro-2,3,3,4,5,6,7,7,8,9)-dodecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 53281-25-7 | Nonanoic acid, 3,5,7,9,9-pentachioro-2,2,3,4,4,5,6,6,7,8,8,9-dodecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 375-95-1 206-801-3 | Nonanoic acid, heptadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 30377-52-7 250-159-7 | Nonanoic acid, heptadecaffuoro-, ethyl ester | poly/perfluorinated ESTERS | 8 | 8 |
| 52447-23-1 | Nonanoyl chloride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 8 | 8 |
| 423-95-0 207-033-1 | Nonanoyl chloride, 2,2,3,3,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 8 | 8 |
| 84029-52-7 | Nonene, 1,1-[1,4-butanediylbis(oxy)]bis[heptadecafluoro- | poly/perfluorinated ETHERS | 8 | 8 |
| 84029-56-1 | Nonene, 1,1'-[1,5'-pentaneditybis(oxy)]bis[beptadecafluoro- | poly/perfluorinated ETHERS | 8 | 8 |
| 84029-58-3 | | poly/perfluorinated ETHERS | 8 | 8 |
| 66138-93-0 | | poly/perfluorinated ETHERS | 8 | 8 |
| 84029-60-7 | | poly/perfluorinated ETHERS | 7 | 7 |
| 29809-35-6 | | poly/perfluorinated IODIDES | 18 | 18 |
| 65150-94-9 | | poly/perfluorinated IODIDES | 16 | 16 |
| 16517-11-6 240-582-5 | | poly/perfluorinated CARBOXYLIC ACIDS | 18 | 18 |
| 423-54-1 | | OTHER poly/perfluorinated ORGANICS | 7 | 7 |
| 423-54-1 85938-56-3 | | OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS | - ' | 7 |
| 85938-56-3 41358-63-8 | | | 7 | 7 |
| 41358-63-8 335-65-9 206-395-8 | | OTHER poly/perfluorinated ORGANICS | 8 | 8 |
| 335-65-9 206-395-8 507-63-1 208-079-5 | | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES | 8 | 8 |
| | | poly p | 8 | 8 |
| 80793-17-5 700-684-7 2043-57-4 218-056-1 | The state of the s | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated IODIDES | - 6 | 6 |
| | | | 6 | 6 |
| 865-77-0 212-747-1 | | poly/perfluorinated IODIDES | 9 | 9 |
| 3021-63-4 | | poly/perfluorinated ALKANES/ALKENES | 10 | 10 |
| 423-55-2 207-028-4 | | OTHER poly/perfluorinated ORGANICS | 8 | 8 |
| 307-33-5 | | OTHER poly/perfluorinated ORGANICS | 8 | 8 |
| 210896-25-6 | | OTHER poly/perfluorinated ORGANICS | 6 | 6 |
| 85711-89-3 | | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 307-34-6 206-199-2 | | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 647-12-1 211-476-6 | | OTHER poly/perfluorinated ORGANICS | 7 | 7 |
| 15899-31-7 | | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 3658-62-6 | | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 68015-86-1 | | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 53826-12-3 | | poly/perfluorinated CARBOXYLIC ACIDS | 6 | 6 |
| 3658-57-9 | | poly/perfluorinated CARBOXYLIC ACIDS | 3 | 8 |
| 16557-94-1 | Octanoic acid, 8-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8-tetradecafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 7 | |
| 335-67-1 206-397-9 | | | , | 7 |
| | Octanoic acid, pentadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 3825-26-1 223-320-4 | | poly/perfluorinated CARBOXYLIC ACIDS poly/perfluorinated CARBOXYLIC ACIDS | | |
| 3825-26-1 223-320-4 33496-48-9 | Octanoic acid, pentadecafluoro, ammonium salt | | 7 | 7 |
| | Octanoic acid, pentadecafluoro-, ammonium salt Octanoic acid, pentadecafluoro-, ambydride | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 33496-48-9 | Octanoic acid, pentadecafluoro-, ammonium salt Octanoic acid, pentadecafluoro-, ambydride Octanoic acid, pentadecafluoro-, branched | poly/perfluorinated CARBOXYLIC ACIDS poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 |
| 33496-48-9 90480-55-0 | Octanoic acid, pentadecaffuoro, ammonium salt Octanoic acid, pentadecaffuoro, ammonium salt Octanoic acid, pentadecaffuoro, ambydride Octanoic acid, pentadecaffuoro, branched Octanoic acid, pentadecaffuoro, branched, ammonium salt | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated CARBOXYLIC ACIDS | 7 | 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chromium(3+) salt | poly perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 | 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 | Octanoic acid, pentadecafluoro-, ammonium salt Octanoic acid, pentadecafluoro-, arhydride Octanoic acid, pentadecafluoro-, branched Octanoic acid, pentadecafluoro-, branched, ammonium salt Octanoic acid, pentadecafluoro-, chromium(3+) salt Octanoic acid, pentadecafluoro-, chromium(3+) salt Octanoic acid, pentadecafluoro-, chromium(3+) salt | poly perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 7 | 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chromium(3-) salt Octanoic acid, pentadecafluoro, edit octanoic, edit octanoic, edit, pentadecafluoro, edit octanoic, edit octanoic, edit, pentadecafluoro, edit octanoic, edit octanoic, edit, pentadecafluoro, edit octanoic, edit octa | poly/perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 7 | 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 | Octanoic acid, pentadecufluoro, ammonium salt Octanoic acid, pentadecufluoro, ammonium salt Octanoic acid, pentadecufluoro, branched Octanoic acid, pentadecufluoro, branched, ammonium salt Octanoic acid, pentadecufluoro, branched, ammonium salt Octanoic acid, pentadecufluoro, bronchium(3-) salt Octanoic acid, pentadecufluoro, bronchium(3-) salt Octanoic acid, pentadecufluoro, edpt ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, methyl ester | poly/perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 7 | 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, ethy ester Octanoic acid, pentadecafluoro, mixel esters with 2,2-{1,4-bquanediy bis[oxymethylene] bis[oxirane] and 2,2-{1,6-bexanediy bis(oxymethylene) bis[oxirane] | poly perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 90480-57-2 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, ethyl ester Octanoic acid, pentadecafluoro, ethyl ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, pethyl ester Octanoic acid, pentadecafluoro, pethyl ester Octanoic acid, pentadecafluoro, pethyl ester | pody perfluorinated CARBOXYLIC ACIDS | 7 | 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 90480-57-2 2395-00-8 | Octanoic acid, pentadecufluoro, ammonium salt Octanoic acid, pentadecufluoro, ambydride Octanoic acid, pentadecufluoro, branched, ammonium salt Octanoic acid, pentadecufluoro, branched, ammonium salt Octanoic acid, pentadecufluoro, chromium(3+) salt Octanoic acid, pentadecufluoro, chromium(3+) salt Octanoic acid, pentadecufluoro, ethyl ester Octanoic acid, pentadecufluoro, ethyl ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, mited esters with 2,2-[1,4-butanoilylbis(oxymethylene)]bis[oxirane] and 2,2-[1,6-bexanoilylbis(oxymethylene)]bis[oxirane] Octanoic acid, pentadecufluoro, mixed esters with 2,2-[1,4-butanoilylbis(oxymethylene)]bis[oxirane] Octanoic acid, pentadecufluoro, silver(1+) salt | poly/perfluorinated CARBOXYLIC ACIDS | 7 | 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 90480-57-2 2395-00-8 335-93-3 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, brombien Octanoic acid, pentadecafluoro, brombien Octanoic acid, pentadecafluoro, brombien Octanoic acid, pentadecafluoro, edity ester Octanoic acid, pentadecafluoro, edity ester Octanoic acid, pentadecafluoro, edity ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, sodium salt Octanoic acid, pentadecafluoro, sodium salt | poly perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 4528-51-4 376-27-2 206-808-1 90480-57-2 2395-00-8 335-93-3 335-93-5 206-404-5 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, editorium(3+) salt Octanoic acid, pentadecafluoro, ion (1-) Octanoic acid, pentadecafluoro, ion (1-) Octanoic acid, pentadecafluoro, mixed esters with 2,2-{1,4-bquanediylbis(oxymethylene) bis[oxirane] and 2,2-{1,6-bexanediylbis(oxymethylene) bis[oxirane]} Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, silver(1+) salt Octanoic acid, pentadecafluoro, silver(1+) salt Octanoic acid, pentadecafluoro, silver(1-) salt | poly perfluorinated CARBOXYLIC ACIDS | 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-56-1 90480-56-1 68141-02-6 3108-24-5 221-468-4 4228-51-6 376-27-2 206-808-1 90480-57-2 2395-00-8 335-93-3 335-93-3 335-93-5 206-404-5 335-64-8 206-394-2 | Octanoic acid, pentadeculturor, ammonium salt Octanoic acid, pentadeculturor, ambydride Octanoic acid, pentadeculturor, branched, ammonium salt Octanoic acid, pentadeculturor, branched, ammonium salt Octanoic acid, pentadeculturor, branched, ammonium salt Octanoic acid, pentadeculturor, ethorium(3+) Octanoic acid, pentadeculturor, mixel esters with 22-(11,4-butunefilybis(oxymethylene) bis[oxirane] and 22-(1,6-bexandiylbis(oxymethylene) bis[oxirane] Octanoic acid, pentadeculturor, nixel esters with 22-(11,4-butunefilybis(oxymethylene) bis[oxirane] and 22-(1,6-bexandiylbis(oxymethylene) bis[oxirane] Octanoic acid, pentadeculturor, silver(1+) salt Octanoic acid, pentadeculturor, silver(1+) salt Octanoic acid, pentadeculturor, softum salt | pody perfluorinated CARBOXYLIC ACIDS pody perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 90480-57-2 2395-00-8 335-95-3 206-404-5 335-95-3 206-404-5 461018-25-3 | Octanoic acid, pentadeculturor, ammonium salt Octanoic acid, pentadeculturor, ambydride Octanoic acid, pentadeculturor, branched, ammonium salt Octanoic acid, pentadeculturor, branched, ammonium salt Octanoic acid, pentadeculturor, branched, ammonium salt Octanoic acid, pentadeculturor, ethorium(3+) Octanoic acid, pentadeculturor, mixel esters with 22-(11,4-butunefilybis(oxymethylene) bis[oxirane] and 22-(1,6-bexandiylbis(oxymethylene) bis[oxirane] Octanoic acid, pentadeculturor, nixel esters with 22-(11,4-butunefilybis(oxymethylene) bis[oxirane] and 22-(1,6-bexandiylbis(oxymethylene) bis[oxirane] Octanoic acid, pentadeculturor, silver(1+) salt Octanoic acid, pentadeculturor, silver(1+) salt Octanoic acid, pentadeculturor, softum salt | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLIC ACIDS poly perflu | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 6814-1-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 90480-57-2 2395-00-8 335-93-3 335-95-5 206-404-5 335-64-9 306-394-2 61018-25-3 335-66-0 306-396-3 | Octanoic acid, pentadecufluoro, ammonium salt Octanoic acid, pentadecufluoro, branched Octanoic acid, pentadecufluoro, branched Octanoic acid, pentadecufluoro, branched Octanoic acid, pentadecufluoro, branched Octanoic acid, pentadecufluoro, chromium(3-) salt Octanoic acid, pentadecufluoro, chromium(3-) salt Octanoic acid, pentadecufluoro, edy ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, methyl ester Octanoic acid, pentadecufluoro, potassium salt Octanoic acid, pentadecufluoro, softway salt Octanoic acid, pentadecufluoro, system salt Octanoic acid, penta | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 90480-57-2 2995-00-8 335-93-3 335-95-5 206-404-5 335-64-8 206-394-2 6018-25-3 335-66-0 206-396-3 15742-62-8 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, chromium(3+) salt Octanoic acid, pentadecafluoro, in (1+) Octanoic acid, pentadecafluoro, in (1+) Octanoic acid, pentadecafluoro, mixed esters with 2,2-†1,4-butanediylbis(oxymethylene)[bis[oxirane] and 2,2-†1,6-bexanediylbis(oxymethylene)[bis[oxirane] Octanoic acid, pentadecafluoro, mixed esters with 2,2-†1,4-butanediylbis(oxymethylene)[bis[oxirane] and 2,2-†1,6-bexanediylbis(oxymethylene)[bis[oxirane] Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, silver(1+) salt Octanoic acid, pentadecafluoro, silver(1+) salt Octanoic acid, pentadecafluoro, silver(1-) salt Octanoi | pody perfluorinated CARBOXYLIC ACIDS pody perfluorinated ALKANOYLISULFONYL CHLORIDE or FLUORIDES pody perfluorinated ALKANOYLISULFONYL CHLORIDES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-56-1 90480-56-1 68141-02-6 3108-24-5 221-468-4 4228-51-6 93480-57-2 2395-00-8 335-93-3 335-93-3 335-94-3 64018-25-3 335-66-4 206-396-3 1574-26-28 788-41-0 | Octanoic acid, pentadecuffuoro, ammonium salt Octanoic acid, pentadecuffuoro, ammonium salt Octanoic acid, pentadecuffuoro, branched Octanoic acid, pentadecuffuoro, branched, ammonium salt Octanoic acid, pentadecuffuoro, chromium(3-) salt Octanoic acid, pentadecuffuoro, chromium(3-) salt Octanoic acid, pentadecuffuoro, chyl ester Octanoic acid, pentadecuffuoro, methyl ester Octanoic acid, pentadecuffuoro, solver(1-) salt Octanoic acid, pentadecuff | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or PLUORIDES poly perfluorinated ETHERS | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 376-27-2 206-808-1 90480-57-2 2395-00-8 335-95-3 206-404-5 335-95-3 206-404-5 335-66-0 206-396-3 15742-62-8 788-41-0 1-877-3 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chromium(3-) salt Octanoic acid, pentadecafluoro, edity ester Octanoic acid, pentadecafluoro, edity ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, sodium salt Octanoic principal acid, pentadecafluoro, sodium salt | pody perfluorinated CARBOXYLIC ACIDS pody perfluorinated ALKANOYLISULFONYL CHLORIDE or FLUORIDES pody perfluorinated ALKANOYLISULFONYL CHLORIDES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 4228-51-6 90480-57-2 2995-00-8 335-93-3 335-94-3 335-94-3 335-64-8 206-396-3 15742-62-8 788-41-0 1.87-3 475678-78-5 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chronium(3-) salt Octanoic acid, pentadecafluoro, ethy ester Octanoic acid, pentadecafluoro, enhyl ester Octanoic acid, pentadecafluoro, mily ester Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, sodium salt Octanoic ploticide, 2,233,44,55,66,77,88,8-entadecafluoro- Octanoic acid, pentadecafluoro, sodium salt | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES poly perfluorinated THERS poly perfluorinated ETHERS | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-56-1 68141-02-6 3108-24-5 221-468-4 42328-51-6 376-27-2 206-808-1 99480-77-2 2395-00-8 335-93-3 335-93-3 335-93-3 335-94-2 64018-25-3 335-64-0 11572-02-3 788-41-0 1-87-73 475-678-78-5 38365-52-2 254-004-4 38565-54-7 254-007-0 | Octanoic acid, pentadeculfuoro, ammonium salt Octanoic acid, pentadeculfuoro, ambydride Octanoic acid, pentadeculfuoro, branched, ammonium salt Octanoic acid, pentadeculfuoro, branched, ammonium salt Octanoic acid, pentadeculfuoro, chromium(3+) salt Octanoic acid, pentadeculfuoro, ethyl ester Octanoic acid, pentadeculfuoro, ethyl ester Octanoic acid, pentadeculfuoro, methyl ester with 22-(1,4-butanetiylbis(oxymethylene)[bis[oxirane] and 2,2-(1,6-bexanetiylbis(oxymethylene)[bis[oxirane]] Octanoic acid, pentadeculfuoro, sulter (1+) salt Octanoic acid, pentadeculfuoro, silver(1+) salt Octanoic acid, pentadeculfuoro, silver(1-) salt Octanoic acid, pentadeculfuoro, solum salt Octanoic ac | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES poly perfluorinated THERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated OXIRANES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-55-0 90480-55-1 68141-02-6 3108-24-5 221-468-4 45285-51-4 45285-51-4 90480-57-2 2395-90-8 335-93-3 335-95-5 206-404-5 335-64-2 206-396-2 15742-62-8 788-41-0 1-87-3 475578-78-5 338565-52-2 254-004-4 338565-52-2 254-004-4 94158-66-0 | Octanoic acid, pentadecaffuoro, ammonium salt Octanoic acid, pentadecaffuoro, branched Octanoic acid, pentadecaffuoro, branched, ammonium salt Octanoic acid, pentadecaffuoro, branched, ammonium salt Octanoic acid, pentadecaffuoro, chronium(3-) salt Octanoic acid, pentadecaffuoro, edity ester Octanoic acid, pentadecaffuoro, edity ester Octanoic acid, pentadecaffuoro, methyl ester Octanoic acid, pentadecaffuoro, methyl ester Octanoic acid, pentadecaffuoro, methyl ester Octanoic acid, pentadecaffuoro, pentasium salt Octanoic acid, pentadecaffuoro, pentasium salt Octanoic acid, pentadecaffuoro, softum salt Octanoic pentadecaffuoro, softum salt Octanoic pentalecaffuoro, softum | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated OXIRANES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-0 90480-55-1 68141-02-6 3108-24-5 221-468-4 4228-5-1-6 90480-57-2 2395-00-8 335-92-3 335-92-3 335-92-3 335-92-3 335-92-3 15742-62-8 788-41-0 1-87-3 475678-78-5 38565-52-5 254-004-4 38565-52-5 | Octanoic acid, pentadecafluoro, ammonium salt Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched Octanoic acid, pentadecafluoro, branched, ammonium salt Octanoic acid, pentadecafluoro, chromium(3-) salt Octanoic acid, pentadecafluoro, edit octanoic, edit pentadecafluoro, edit octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, methyl ester Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, potassium salt Octanoic acid, pentadecafluoro, solium salt Octanoic acid, pent | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALRANOVLISULFONYL CHLORIDE or FLUORIDES poly perfluorinated ALRANOVLISULFONYL CHLORIDE or FLUORIDES poly perfluorinated ALRANOVLISULFONYL CHLORIDE or FLUORIDES poly perfluorinated ETHERS poly perfluo | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| 33496-48-9 90480-55-1 90480-55-1 68141-02-6 3108-24-5 221-468-4 45285-51-6 45285-51-6 90480-57-2 2395-00-8 335-93-3 335-95-5 206-404-5 335-64-8 206-394-2 64018-25-6 478-78-6 478-78-78-5 38565-52-2 524-004-4 38565-54-7 524-004-9 94158-66-9 | Octanoic acid, pentadecullinoro, ambjubide Octanoic acid, pentadecullinoro, branched Octanoic acid, pentadecullinoro, branched, ammonium salt Octanoic acid, pentadecullinoro, branched, ammonium salt Octanoic acid, pentadecullinoro, chromium(3) salt Octanoic acid, pentadecullinoro, ethorism(3) salt Octanoic acid, pentadecullinoro, ethory letter Octanoic acid, pentadecullinoro, mulyl ester Octanoic acid, pentadecullinoro, mixed esters with 22-11,4-batanedylbis(oxymethylene)lbis[oxirane] and 22-11,6-bexanedylbis(oxymethylene)lbis[oxirane] Octanoic acid, pentadecullinoro, solder sters with 22-11,4-batanedylbis(oxymethylene)lbis[oxirane] and 22-11,6-bexanedylbis(oxymethylene)lbis[oxirane] Octanoic acid, pentadecullinoro, mixed esters with 22-11,4-batanedylbis(oxymethylene)lbis[oxirane] and 22-11,6-bexanedylbis(oxymethylene)lbis[oxirane] Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still Octanoic acid, pentadecullinoro, solders still </td <td>poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated OXIRANES poly perfluorinated OXIRANES</td> <td>7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7</td> | poly perfluorinated CARBOXYLIC ACIDS poly perfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated ETHERS poly perfluorinated OXIRANES | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 |

| 54009-79-9 | 1 | | | | |
|--|---|--|--|---|--|
| | 9 | Oximue, [2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12.13.13.14.14.15.15.16.17.17.17-dotriacontafluoro-16-(trifluoromethyl)heptadecyl} | poly/perfluorinated OXIRANES | 17 | 17 |
| 54009-77-7 | 7 | Osimue, [2,2,3,3,4,5,5,6,7,7,8,8,9,0,10,11,11,12,12,13,13,14,15,15,15-ostneonfluoro-14-(trifluoromethyt)pentadecylj- | poly/perfluorinated OXIRANES | 15 | 15 |
| 54009-78-8 | 8 | Osirane, [2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.13.13.13-tetracosafluoro-12-(trifluoromethy)tridecyl]- | poly/perfluorinated OXIRANES | 13 | 13 |
| 47795-34-6 | | Oxirane, [2.2.3.3.4.4.5.5.6.6.7.7.8.9.9.1.0.1.1.1.11-cicosafluoro-10-(trifluoromethyl)undecyl]- Oxirane, [2.2.3.3.4.4.5.5.6.6.7.7.8.9.99-hexadecafluoro-8-(trifluoromethyl)nonyl]- | poly/perfluorinated OXIRANES | 11 | 11 |
| 41925-33-1 | | | poly/perfluorinated OXIRANES | 9 | 9 |
| 125370-60-7 208721-05-5 | 7 | Oxirane, 2-[(1/2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9-hexadecafluorononyl)oxy]methyl]- Oxirane, methyl-, polymer with oxirane, mono(4.4.5.5.6.6.7.7.8.8.9.9.10.10-heptadecafluoro-1-methyl undecyl)ether | poly/perfluorinated ETHERS poly/perfluorinated POLYMERS | 8 7 | 8 |
| 208/21-05-5 183146-60-3 | | Ouriane, nethyl-, polymer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer Ouriane, nethyl-, boylmer win ouriane, monost-25, 50,6,77,85,99,11,0 regreatecturor-1-menty unaccyptemer | * · · · | 7 | 20 |
| 183146-60-3 98561-39-8 | 3 | Oxinae, menty - poyuer win tacane, traonic-patenty-rigamine-image-periment-6-2-2-any, nino party-priences Oxinae, menty - poyuer win tacane, traonic-patenty-rigamine-image-periment-6-2-2-any, nino party-priences | poly/perfluorinated POLYMERS poly/perfluorinated OXIRANES | 2 | |
| | | | 1.71 | | 4 |
| 119438-11-8 15453-10-8 | | Oxirane, mono[[(.gammaomega-perfluoro-C4-10-alkyl)thio methyl] derivs. Oxirane, trifluoro(1,1,2,2,3,4,4-heptafluoro-3-butenyl)- | poly/perfluorinated OXIRANES poly/perfluorinated OXIRANES | 4 | 10 |
| 25038-02-2 | 2 | Okiran, influori, influorenthi pomoolwer Okiran, influori, influorenthi pomoolwer | poly/perfluorinated OALYMERS | | 3 |
| 68239-02-1 | 1 | Osinine carboniuritie, (chloromethy) / indefluorominio)-, homopolymer | poly/perhuorinated POLYMERS poly/perfluorinated POLYMERS | | 2 |
| 00239-02-1 | | FGG-10 Acrosylate, Perfluorohexylethyl Acrylate Copolymer is a copolymer of PEG-10 acrylate and perfluorohexylethyl acrylate monomers. | Fluorinated (meth)acrylate polymers | 2 | 8 |
| 335-79-5 | 5 | Pentadecane, 1,1,1,2,2,3,3,4,4,5,6,6,7,7,8,8,9,10,01,1,1,1,2,1,3,13,14,1,1,15-hentriacontafluoro-15-iodo- | poly/perfluorinated IODIDES | 15 | 15 |
| 3-02-1 | | Pentane, (3R,4R)-1,1,1,2,2,3,4,5,5,5-decafluoro-, (3R,4R)- and pentane, 1,1,1,2,2,3,4,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5 | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| | 9 211-350-0 | Pentane, 1.1.1.2.2.3.3.4.4.5undecafluoro-5-iodo- | poly/perfluorinated ADACHAS/ADACHAS/ | 5 | 5 |
| 355-04-4 | | Pentane, 1,1,1,2,3,3,4,5,5-undecafluoro-4-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 68158-13-4 | 4 | Pentane, 1,1,1,2,2,3,3,4,5,5-undecafluoro-4-iodo- | poly/perfluorinated IODIDES | 5 | 5 |
| 865-71-4 | 4 | Pentane, 1.1.1.2.2.3.4.4.5.5-undocafluoro-3-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 138495-42-8 | 8 420-640-8 | Putane, 1.1.1.2.2.3.4.5.56.ecafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 1006614-98-7 | 7 | Puntage, 1,1,1,2,2,2,4,5,5,5,6,calluoro, (3R,4R)- | poly/perfluorinated ALKANES/ALKENES poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 142347-07-7 | 7 | Puntane, 1.1.1.2.2.3.4.5.5.5-decafluoro- (3R.4R)-rel- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 1006614-96-5 | 5 | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-, (3R,4S)- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 142347-08-8 | | Pentane, 1,1,1,2,2,3,4,5,5-decafluoro- (3R.4S)-rel- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 1006614-95-4 | 4 | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-, (3S,4R)- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 1006614-97-6 | 5 | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-, (35,4S)- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 335-14-8 | | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-3,4-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| 50285-18-2 | 2 | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-3-[1,2,2,2-tetrafluoro-1-(trifluoromethy)]-4-(trifluoromethy)- | poly/perfluorinated ALKANES/ALKENES | 3 | 9 |
| 132182-92-4 | | Pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-(trifluoromethyl)- | poly/perfluorinated ESTERS | 6 | 6 |
| 36591-89-6 | 5 | Pentane, 1,1,1,2,2,4,4,5,5,5-decafluoro-3,3-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 7 | 7 |
| 50285-19-3 | 3 | Pentane, 1,1,1,2,2,4,4,5,5,5-decafluoro-3-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)-3-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 9 | 9 |
| 354-97-2 | 2 | Pentane, 1,1,1,2,3,4,4,5,5,5-decafluoro-3-(pentafluoroethyl)-2-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 8 | 8 |
| 85720-78-1 | 1 | Pentane, 1,1,1,2,3,4,5,5,5-nonafluoro-2-(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| 62375-54-6 | 6 | Pentane, 1,1,1,3,3,5,5-octafluoro-2,2,4,4-tetrakis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 9 | 9 |
| 73928-40-2 | 2 | Pentane, 1,1,2,2,3,3,4,4,5,5-decafluoro-1-[(trifluoroethenyl)oxy]- | poly/perfluorinated ETHERS | 5 | 5 |
| 85720-79-2 | 2 | Pentane, 2,3-dichloro-1,1,1,2,3,4,5,5,5-nonafluoro-4-(trifluoromethyl)- | OTHER poly/perfluorinated ORGANICS | 6 | 6 |
| 66396-73-4 | 4 | Pentane, 5-(ethenyloxy)-1,1,2,2,3,3,4,4-octafluoro- | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 678-26-2 | 2 211-647-5 | Pentane, dodecafluoro- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 75330-20-0 | 0 | Pentane, undecafluoroiodo- | poly/perfluorinated IODIDES | 5 | 5 |
| 376-72-7 | 7 206-812-3 | Pentanoic acid, 2,2,3,3,4,4,5,5-octafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 4 | 4 |
| 22715-45-3 | 3 | Pentanoic acid, 2,2,3,3,4,4,5,5-octafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 5 | 5 |
| 72828-80-9 | 9 | Pentanoic acid, 2,2,3,3,4,4,5,5-octafluoro-, octyl ester | poly/perfluorinated CARBOXYLIC ACIDS | 5 | 5 |
| 94095-37-1 | 1 | Pentanoic acid, 4.4-bis[.gammaomegaperfluoro-C6-12-alkyl)thio] derivs., compds. with diethanolamine | poly/perfluorinated TIOLS | 6 | 12 |
| 71608-60-1 | 1 | Pentanoic acid, 4.4-bis[.gammaomegaperfluoro-C8-20-alkyl)thio] derivs. | poly/perfluorinated TIOLS | | |
| | , | | | 8 | 20 |
| 71608-61-2 | - | Pentanoic acid, 4,4-bis[(.gammaomega-perfluoro-C8-20-alkyl)thio] derivs., compds. with diethanolamine | poly/perfluorinated TIOLS | 8 | 20 20 |
| 2706-90-3 | | Pentanoic acid, nonafluoro- | poly/perfluorinated TIOLS poly/perfluorinated CARBOXYLIC ACIDS | 8 4 | 20 4 |
| 2706-90-3 68259-11-0 | | Pentanoic acid, nonafluoro- Pentanoic acid, nonafluoro-, ammonium salt | poly/perfluorinated TIOLS | 8 | 20 4 5 |
| 2706-90-3 68259-11-0 424-37-3 | 3 | Pentanoic acid, nonafhoro- Pentanoic acid, nonafhoro-, ammonium salt Pentanoic acid, nonafhoro-, ethenyl ester | poly/perfluorinated TIOLS poly/perfluorinated CARBOXYLIC ACIDS poly/perfluorinated CARBOXYLIC ACIDS poly/perfluorinated ESTERS | 8 4 | 20 4 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 | 3 | Pentanoic acid, nonafluoro- Pentanoic acid, nonafluoro- Rentanoic acid, nonafluoro-, sodium salt | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS | 8 4 5 | 20 4 5 4 5 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 | 0 3 0 2 206-790-5 | Pentanoic acid, nonafluoro- Pentanoic acid, nonafluoro- ammonium salt Pentanoic acid, nonafluoro-, etneyl ester Pentanoic acid, nonafluoro-, etneyl ester Pentanoic acid, nonafluoro-, sodium salt Pentanoic fluoride, 2,2,3,3,4,4,5,5,5-nonafluoro- | polyjperfluorinated TIOLS polyperfluorinated CABBOXYLIC ACIDS polyjperfluorinated CABBOXYLIC ACIDS polyjperfluorinated ESTERS polyjperfluorinated CABBOXYLIC ACIDS polyjperfluorinated CABBOXYLIC ACIDS polyjperfluorinated ALKANOYLIC ACIDS | 8 4 5 | 20 4 5 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 | 0 3 0 2 206-790-5 | Pentanoic acid, nonafluoro- Pentanoic acid, nonafluoro- minonium salt Pentanoic acid, nonafluoro-, edneyl ester Pentanoic acid, nonafluoro-, sodium salt Pentanoic acid, nonafluoro-, sodium salt Pentanoic acid, nonafluoro-, sodium salt Pentanoic acid, a | polyjperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTER polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES polyperfluorinated POLYMERS | 8 4 5 4 5 5 | 20 4 5 4 5 5 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 | 0 3 0 2 2 206-790-5 | Pentanoic acid, nonafluoro-, ammonium salt Pentanoic acid, nonafluoro-, chenyl ester Pentanoic acid, nonafluoro-, othenyl ester Pentanoic acid, nonafluoro-, sodium salt Pentanoic acid, nonafluoro-, sod | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLIC ACIDS polyperfluorinated ALKANOYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated ORGANICS | 8 4 5 4 5 5 5 | 20 4 5 4 5 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 | 0 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Pentanoic acid, nonafluoro- Pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLISULFONYL CHLORIDE or FLUORIDES polyperfluorinated POLYMERS O'THER polyperfluorinated ORGANICS polyperfluorinated ETHERS | 8 4 5 5 5 5 1 1 1 1 | 20 4 5 4 5 5 5 20 3 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 | 0 3 0 2 2 206-790-5 | Pentanoic acid, nonafluoro- Pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLISULFONYL CHLORIDE or FLUORIDES polyperfluorinated POLYMERS OTHER polyperfluorinated ORGANICS polyperfluorinated ETHERS polyperfluorinated ETHERS | 8 4 5 4 5 5 5 1 1 | 20 4 5 4 5 5 5 5 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 | 2 206-790-5 404-730-4 404-710-5 | Pentanoic acid, nonafluoro- Pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLIC ACIDS polyperfluorinated ALKANOYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS OTHER polyperfluorinated FITHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS | 8 4 5 4 5 5 5 1 1 1 2 | 20 4 5 4 5 5 5 5 20 3 3 2 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 | 2 206-790-5 404-730-4 404-710-5 | Pentanoic acid, nonafluoro- Pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLSULFONYL CHLORIDE or FLUORIDES polyperfluorinated POLYMERS OTHER polyperfluorinated ORGANICS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS | 8 4 5 5 5 5 1 1 1 1 2 2 6 6 | 20 4 5 4 5 5 5 5 20 3 3 2 6 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 | 0 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Pentanoic acid, nonafluoro- Pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLISTLEFONYL CHLORIDE or FLUORIDES polyperfluorinated POLYMERS O'THER polyperfluorinated ORGANICS polyperfluorinated ETHERS polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES | 8 4 5 4 5 5 5 1 1 1 2 | 20 4 5 4 5 5 5 5 5 20 3 3 2 6 23 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 | 0 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | Pentanoic acid, nonafluoro- Pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated ALRANOYLIC ACIDS polyperfluorinated ALRANOYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated DIDES Fluorinated Indides Fluorinated India | 8 4 5 4 5 5 1 1 1 2 6 4 1 | 20 4 5 4 5 5 5 5 5 20 3 3 2 6 23 99 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 82030-84-0 | 0 3 3 5 206-790-5 5 5 404-730-4 404-710-5 0 6 5 8 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Pentanoic acid, nonafluoro- pe | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated ALRANOYLIC ACIDS polyperfluorinated ALRANOYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS OTHER polyperfluorinated FITHERS polyperfluorinated ETHERS polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/BLKENES polyperfluorinated AMINES | 8 4 5 5 5 5 5 1 1 1 1 2 2 6 6 4 4 1 1 1 1 | 20 4 5 4 5 5 5 5 20 3 3 2 6 6 23 99 99 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 82030-84-0 110070-82-1 | 0 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Pentanoic acid, nonafluoro- Pentanoic acid, nonafluoro-, admonium salt Pentanoic acid, nonafluoro-, edwyl ester Pentanoic acid, a-usbistiuted with teopo- Perfluoro- Perfluoro- acid, a-usbistiuted with teopo- Perfluoro- acid, a-usbistiuted with teopo- Perfluoro- Perflu | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated ORGANICS polyperfluorinated ETHERS polyperfluorinated THERS polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated AMNES OTHER polyperfluorinated AMNES | 8 4 4 5 5 5 5 5 5 5 6 6 4 4 1 1 1 4 4 | 20 4 5 5 5 5 5 5 5 20 3 3 2 6 6 23 99 99 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 82030-84-0 110070-82-1 82030-85-1 | 0 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoicy fluoride, 2,23,34,45,55-nonafluoro Perfluoro acidic acid, e-substituted with the copolymer of perfluoro-1,2-popylene glycol and perfluoro-1,1-ethylene glycol, terminated with chlorobexafluoropropolymy groups Perfluoro alkylsaffonyl tecnos silane perfluoro/5,9,9-12-etramethyl-4,7,10,13-etraovahexudocane) perfluoro/5,9,9,12-etramethyl-4,7,10,13-etraovahexudocane) Perfluoro/6,2-ethylovy-chonyl specie acid, amnonium salt Perfluorolly-1/2-pennec Perfluorolly-1/2-p | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated POLYMERS O'THER polyperfluorinated ORGANICS polyperfluorinated ETHERS polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ALKANES/ALKENES polyperfluorinated ANDINES O'THER polyperfluorinated ORGANICS polyperfluorinated POLYMERS | 8 4 5 5 5 5 5 1 1 1 1 2 2 6 6 4 4 1 1 1 1 | 20 4 5 5 4 4 5 5 5 5 20 3 3 2 6 6 23 99 99 14 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 82030-84-0 110070-82-1 | 0 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoic acid, annoflacoro, sodium salt Pentanoic alixy salforoly tectore saltano perflucoro (3,9,12-setramethyl-4,7,10,13-steraouaheudocano) perflucoro (3,9,12-setramethyl-4,7,10,13-steraouaheudocano) perflucoro(3,9,12-setramethyl-4,7,10,13-steraouaheudocano) perflucoro(3,9,12-setramethyl-4,7, | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS OTHER polyperfluorinated FITHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated THERS polyperfluorinated THE | 8 4 4 5 5 5 5 5 5 5 6 6 4 4 1 1 1 4 4 | 20 4 5 4 5 5 5 5 5 20 3 2 6 6 23 99 99 14 14 14 |
| 2706-90-3 8829-11-01 8829-11-01 424-3-3 22706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 82030-88-1 110070-82-1 82030-88-1 | 206-790-5 206-790-5 404-730-4 404-710-5 4 | Pentanoic acid, nonafluoro- Pentanoic acid, nonafluoro-, admonium salt Pentanoic acid, nonafluoro-, sodium salt Pentanoic acid, assistiated with the copo- Perfluoro- alsa (a. substituted with the copo- Perfluoro-1, 1-ethylene glycol, terminated with chlorohexafluoroproplony groups Perfluoro-3, 5, 9, 12- terminethyl-4, 7, 10, 13- termoushexadecane) Perfluoro-3, 5, 9, 12- terminethyl-4, 7, 10, 13- termoushexadecane) Perfluoro-3, 5, 9, 12- terminethyl-4, 7, 10, 13- termoushexadecane) Perfluoro-1, 9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10 | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CORDATES OTHER polyperfluorinated ORGANICS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated THERS polyperfluorinated ALKANES/ALKENES polyperfluorinated AMINES OTHER polyperfluorinated AMINES OTHER polyperfluorinated ORGANICS polyperfluorinated TODIDES polyperfluorinated TODIDES polyperfluorinated TODIDES polyperfluorinated TODIDES polyperfluorinated TODIDES | 8 4 4 5 5 5 5 5 5 5 1 1 1 1 1 2 2 6 6 4 4 1 1 1 4 4 4 4 8 8 | 20 4 5 4 5 5 5 5 5 20 3 3 2 6 23 99 99 14 14 14 18 |
| 2706-90-3 68259-11-0 424-37-3 2706-89-0 375-62-2 329238-24-6 908020-52-0 2070-70-4 161075-23-6 90451-86-8 82030-84-0 110070-82-1 82030-85-1 | 206-790-5 206-790-5 404-730-4 404-710-5 4 | Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, amnonium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoic acid, nonaflacoro, sodium salt Pentanoic acid, annoflacoro, sodium salt Pentanoic alixy salforoly tectore saltano perflucoro (3,9,12-setramethyl-47,10,13-steraouaheudocano) perflucoro (3,9,12-setramethyl-47,10,13-steraouaheudocano) perflucoro(3,9,12-setramethyl-47,10,13-steraouaheudocano) per | polyperfluorinated TIOLS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated ESTERS polyperfluorinated CARBOXYLIC ACIDS polyperfluorinated ALKANOYLIC ACIDS polyperfluorinated POLYMERS OTHER polyperfluorinated POLYMERS OTHER polyperfluorinated FITHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated THERS polyperfluorinated THE | 8 4 4 5 5 5 5 5 5 5 6 6 4 4 1 1 1 4 4 | 20 4 5 4 4 5 5 5 20 3 3 2 2 6 6 6 9 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| 182700-79-4 | -perfluoro-C3-14-alex. and N.N-2-tris(6-isocyanatohexyl) imidodicarbonic diamide | OTHER poly/perfluorinated ORGANICS | 8 | 14 |
|--------------------------|--|---|----|--|
| 25067-11-2 | Perfluoroethylene propylene copolymer | poly/perfluorinated POLYMERS | 1 | 99 |
| 108427-53-8 | Perfluorohexane sulfonic acid | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 6 |
| 41997-13-1 | Perfluorohexanesulfonamide | poly/perfluorinated SULFONAMIDES | 6 | 6 |
| | PERFLUORONONYL OCTYLDODECYL GLYCOL GRAPESEEDATE | poly/perfluorinated ALKOHOLS | 9 | 9 |
| | Perfluorononylethyl carboxy PEG-7 dimethicone Phosphate is the partial ester of phosphoric acid and a carboxylated derivative of perfluorononylethyl dimethicone containing an average of 7 moles of ethylene oxide | poly/perfluorinated PHOSPHOORGANICS | 2 | 11 |
| 141074-63-7 | Perfluoropentadecanoic acid | poly/perfluorinated CARBOXYLIC ACIDS | 15 | 15 |
| 113114-19-5 | Perfluoropolytrimethyleneoxide | poly/perfluorinated POLYMERS | | |
| 86508-42-1 | Perfluorotri-n-butylamine ("Perfluoro compd., C5-18") | poly/perfluorinated AMINES | 5 | 18 |
| 28285-49-6 | Peroxide, bis/3.5.6-trichloro-2.2,3.4.4.5.6.6-octafluoro-1-oxohexyl)- | OTHER poly/perfluorinated ORGANICS | 5 | 5 |
| 306-91-2 400-470-0 | Phenanthrene, teracosafluorotetradecalvdro- | poly/perfluorinated ALKANES/ALKENES | 14 | 14 |
| 159182-00-0 | Phenanthrene, tetracosafluorotetradecalivdro-, polymers | poly/perfluorinated POLYMERS | | |
| 142623-70-9 | Phenol, 4-(3,3,4,4,5,5,6,6,7,8,8,9,9,10,10,10-heptadecafluorodesvilitio)- | poly/perfluorinated TIOLS | 8 | 8 |
| 52299-27-1 | Phosphinic acid, his/hencicosafluorodecyl)- | poly/perfluorinated PHOSPHOORGANICS | 10 | 10 |
| 40143-79-1 | Phosphinic acid, bis/heotadecafluorocryl) | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 63225-54-7 | Phosphine sacia dispenanceantorocode VI | poly/perfluorinated PHOSPHOORGANICS | 12 | 12 |
| 68412-69-1 | Phosphine can class (disperfluoron-co-12-alky) derivs. | poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| | Fronçaire and colories (Colories (Co | | 6 | |
| 93062-53-4 | | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| 40143-77-9 90146-97-7 | Phosphinic acid, bis(tridecafluorohexyl)- Phosphonic acid, (3.3.4.4.5.5.6.6.7.7.8.8.9.9.10, 10.10-heptadecafluorodecyl)-, compd. with NN-diethylethanamine (9CI) | poly/perfluorinated PHOSPHOORGANICS | 6 | 8 |
| 70140 77 7 | A CONTRACTOR A CON | poly/perfluorinated PHOSPHOORGANICS | 8 | |
| 40143-78-0 | Phosphonic acid, (heptadecafluoroccty)- | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 40143-76-8 | Phosphonic acid, (tridecafluorobexyl)- | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| 63513-12-2 | Phosphonic acid, [[4-{(heptadecafluorononeny)(xxy]phenyl]methyl]- | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 71463-78-0 | Phosphonic acid, [3-{ethyl/[theptadecaffuoroccty]salfonyl]amino]propyl- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 71463-80-4 | Phosphonic acid, [3-{ethyl((heptadecafluoroocty))sulfonyl,mino)propyl}-, diethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 8 |
| 71463-79-1 | Phosphonic acid, [3-{ethyl/(pentadecafluoroheptyl)sulfonyl]amino]propyl}- | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 71463-81-5 | Phosphonic acid, [3-[ethyl](pentadecafluoroheptyl)sulfonyl]amino]propyl]-, diethyl ester | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 7 | 7 |
| 68412-68-0 | Phosphonic acid, perfluoro-C6-12-alkyl derivs. | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| 90481-10-0 | Phosphonic acid, perfluoro-C6-12-alkyl derivs., aluminum salts | poly/perfluorinated PHOSPHOORGANICS | 6 | 12 |
| 332350-90-0 682-239-6 | Phosphonium, tributyl(2-methoxypropyl)-, salt with 1,1,2,2,3,3,4,4-nonefluoro-N-methyl-1-butanesulfonamide (1:1) | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 332350-93-3 442-960-7 | Phosphonium, triphenyl(phenylmethyl)-, salt with 1,1,2,2,3,4,4,4-nonefluoro-N-methyl-1-butanesulfonamide (1:1) | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 4 |
| 74499-44-8 | Phosphoric acid., gammaomega-perfluoro-C8-16-alkyl esters, compds. with diethanolamine | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 16 |
| 92332-25-7 | Phosphoric acid, bist,gammaomegaperfluoro-C8-14-alkyl) esters, compds. with diethanolamine | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 14 |
| | Phosphoric acid, mixed esters with 3,3,4,4,5,5,6,6,7.7.8,8,8 -tridecafluorooctan-1-ol and polysubstituted alkane, mono- and diammonium salts | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| | Phosphoric acid, mixed esters with 3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctan-1-ol and polysubstituted alkane, mono- and diammonium salts | poly/perfluorinated PHOSPHOORGANICS | 6 | 6 |
| 1224429-82-6 | Phosphoric acid, mixed esters with polyethylene glycol and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanol, ammonium salts | poly/perfluorinated POLYMERS | 6 | 6 |
| 92332-26-8 | Phosphoric acid, mono(gammaomegaperfluoro-C8-14-alkyl) esters, compds. with diethanolamine | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 8 | 14 |
| 1189052-95-6 700-812-1 | Phosphoric acid, P-(3.3.4.4.5.5.6.6.7.7.8.8.4 tridecafluorooctyl)-, sodium salt (1:1) | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 71356-38-2 | Piperazinium, 1-(carboxymethyl)-1-(2-hydroxyethyl)-4-(2-2,3.3.4.4.5.5.6.6.7.7.8.8.9.9.10,10.10-nonadecafluoro-1-oxodecyl) hydroxide, inner salt | poly/perfluorinated AMMONIUM ORGANICS | 9 | 9 |
| 564-11-4 | Piperidine, 2,2,3,3,4,4,5,6,6-decafluoro-1-(pentafluoroethyl)- | poly/perfluorinated AMINES | 2 | 5 |
| 359-71-7 | Piperidine, 2,2,3,3,4,5,5,6,6-decafluoro-1-(trifluoromethyl)- | poly/perfluorinated AMINES | 1 | 5 |
| 432-060-2 | poly(1-pentene-2,3,3,4,5,5-heptafluoro-co-ethene-co-tetrafluoroethene) | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 105656-63-1 | Poly(4-brono-3.3.4.4-tetrafluoro-1-butene/ethylene/tetrafluor octivlene/trifluoromethyl trifluorowinyl ether) | poly/perfluorinated POLYMERS | 4 | 4 |
| 65530-81-6 | Poly(difluoromethylene), alpha-(2,2-dichloro-1,1,2-trifluoroethyl)-omega-hydro- | Polytetrafluoroethylene (PTFE) | | <u> </u> |
| 65530-85-0 | Poly(difluoromethylene), alpha-(cyclohey/methyl)-omeea-hydro- | Polytetrafluoroethylene (PTFE) | | |
| 65530-73-6 | Poly (diffuoromethylene), alpha: _alpha: _(thiod-2,1-ethanediy)bis(omega-fluoro- | Polytetrafluoroethylene (PTFE) | | |
| 71550-16-8 | Poly(difluoromentyleyen), appearagement appearagement appearagement poly(difluoromentyleyen), appearagement appearagement poly(difluoromentyleyen), appearagement poly | Polytetrafluoroethylene (PTFE) | | |
| 71278-43-8 | Foly(diffusionment/pi/sex), applaapplaqquaqqquaqqquaqqquaqqquaqqquaqqquaqqquaqqqqqqqq | Polytetrafluoroethylene (PTFE) | | |
| 71230-79-0 | Poly(diffusionment/ps/ex), alpha, alpha [1,4]ba [1,4]b | Polytetrafluoroethylene (PTFE) | | |
| 71230-80-3 | Poly(difunctional); pick, appaappaappa | Polytetrafluoroethylene (PTFE) | | + |
| 71230-80-3 71550-15-7 | Poly(diffusionment/piac), appaappapl. 12-pheny/ecolosica (archonyloxyz-kunotoment/piz-z-kunotoment/piz | Polytetrafluoroethylene (PTFE) Polytetrafluoroethylene (PTFE) | | |
| 71550-15-7 71550-17-9 | ravy cumoromenyene, apinaapina112-pinay/enerose, cumorojovay (-2000-), 1-pinapinay/enerose, 1-pinapinay/ener | | - | |
| | | Polytetrafluoroethylene (PTFE) | | + |
| 65530-70-3 | Poly(dithorometrylene), alpha., alpha: [hopothinicobis(oxy-2]. ethaned(y)])lisi(omega-fluoro-ammonium salt | poly/perfluorinated POLYMERS | | |
| 245331-40-2 | Polydithoromethyleno, alpha, alpha: [phosphinicobis(oxy-2,1-chanedyl)]bis(omega-fluoro-, sodium salt (1:1) | Polytetrafluoroethylene (PTFE) | | |
| 65530-76-9 | Polydithuromethyleno, alpha, alpha [sulfonylhis(oxy-2,1-ethunedly1)]bis(omega-fluoro- | Polytetrafluoroethylene (PTFE) | | |
| 65530-67-8 | Poly(difluoromethylene), alpha_omega_bis(methylthio) | Polytetrafluoroethylene (PTFE) | | |
| 71002-41-0 | Poly(difluoromethylene), alpha-[2-(acetyloxy)-2-[(carboxymethyl)dimethylammonio[ethyl]-omega-fluoro-, hydroxide, inner salt | Polytetrafluoroethylene (PTFE) | | |
| 65530-83-8 | Poly(difluoromethylene), alpha-12-{(2-carboxyethyl)thio ethyl}-omega-fluoro- | Polytetrafluoroethylene (PTFE) | | |
| 65530-69-0 | Poly(difluoromethylene), alpha-[2-{(2-arrboxyethyl)thio[ethyl]-omega-fluoro-, lithium salt | Polytetrafluoroethylene (PTFE) | | <u> </u> |
| 161278-39-3 500-631-6 | Poly(difluoromethylene), alpha-[2-[[[3-{(carboxymethyl)dimethylammonio]propyl]amino sulfonyl ethyl]-omega-fluoro-, inner salt | Polytetrafluoroethylene (PTFE) | | <u> </u> |
| 65530-55-4 | Poly(difluoromethylene), alpha-[2-{[2-(dimethylamino)ethyl]-imio-genyl]-mega-fluoro- | Polytetrafluoroethylene (PTFE) | | <u> </u> |
| 65530-68-9 | Poly(diffuoromethylene), alpha-[2-[[2-](carboxymethyl)dimethylammonio]ethyl thio]ethyl]-omega-fluoro-, hydroxide, inner salt | Polytetrafluoroethylene (PTFE) | | ļ |
| 71002-40-9 | Poly(difluoromethylene), .alpha[3-(dimethylamino)-2-hydroxypropyl]omegafluoro- | Polytetrafluoroethylene (PTFE) | | |
| 131324-06-6 | Poly(difluoromethylene), alphachloro-omega(1-chloro-1-fluoroethyl)- | Polytetrafluoroethylene (PTFE) | | |
| 79070-11-4 | Poly(difluoromethylene), alphachloro-omega(2,2-dichloro-1,1,2-trifluoroethyl)- | Polytetrafluoroethylene (PTFE) | | |
| 65530-75-8 | Poly(difluoromethylene), alphaethenyl-omegafluoro- | Polytetrafluoroethylene (PTFE) | | |
| | | | | |

| 65530-60-1 | Poly(Difluoromethylene), alpha-fluoro-omega-(2-hydroxyethyl)- | Polytetrafluoroethylene (PTFE) | 1 | 99 |
|-------------|--|--|---|----------|
| 65530-59-8 | Poly(difluoromethylene), alpha-fluoro-omega. (2-hydroxyethyl)-, 2-hydroxy-1,2.3-propanetricarboxylate (3:1) | Polytetrafluoroethylene (PTFE) | | |
| 65605-56-3 | Poly(difluoromethylene), .alphafluoro-omega(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate | Polytetrafluoroethylene (PTFE) | | |
| 65530-58-7 | Poly(difluoromethylene), .alphafluoro-omega(2-hydroxyethyl)-, ester with 2,15-bis(carboxymethyl)-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,2,15,16-tetracarboxylic acid (6:1) | Polytetrafluoroethylene (PTFE) | | |
| 65605-57-4 | Poly(difluoromethylene), alphafluoro-omega(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate | Polytetrafluoroethylene (PTFE) | | |
| 71215-70-8 | Poly(Difluoromethylene), .alphafluoro-omega. (2-iodoethyl) | Polytetrafluoroethylene (PTFE) | 1 | 99 |
| 68379-37-3 | Poly(difluoromethylene), alpha_fluoro-omega_(2-iodopropyl)- | Polytetrafluoroethylene (PTFE) | | |
| 80010-38-4 | Poly(difluoromethylene), .alpha.·fluoro-omega(2-sulfoethyl)-, ammonium salt | Polytetrafluoroethylene (PTFE) | | |
| 95144-12-0 | Poly(difluoromethylene), alpha_fluoro-omega_{2}(2(phosphonooxy)ethyl), ammonium salt | Polytetrafluoroethylene (PTFE) | | |
| 65530-72-5 | Poly(difluoromethylene), alpha_fluoro-omega-[2-(phosphonooxy)ethyl]-, diammonium salt | poly/perfluorinated POLYMERS | | |
| 65530-71-4 | Poly(difluoromethylene), .alpha.·fluoro-omega-[2-(phosphonoxy)ethyl]-, monoammonium salt | poly/perfluorinated POLYMERS | | |
| 245331-49-1 | Poly(diffuoromethylene), alpha-fluoro-omega-[2-(phosphonooxy)ethyl]-, sodium salt (1:1) | Polytetrafluoroethylene (PTFE) | | |
| 245331-02-6 | Poly(difluoromethylene), .alpha.·fluoro-omega[2-(phosphonoxy)ethyl]-, sodium salt (1:2) | Polytetrafluoroethylene (PTFE) | | |
| 65530-77-0 | Poly(diffuoromethylene), alpha-fluoro-omega-[2-(sulfoxy)ethyl]- | Polytetrafluoroethylene (PTFE) | | |
| 65605-73-4 | Poly(diffuoromethylene), alpha-fluoro-omega-[2-{(1-xxx-2-propenyl)xy ethyl}-, homopolymer | Polytetrafluoroethylene (PTFE) | | |
| 207004-58-8 | Poly(diffuoromethylene), alpha-fluoro-omega-[2-{(1-oxo-2-propeny)oxy]ethyl}-, polymer with 1,1-dichlorethene | Fluorinated (meth)acrylate polymers | | 2 |
| 65530-65-6 | Poly(diffuoromethylene), alpha-fluoro-omega-[2-{(1-oxooctadecyl)oxyJethyl]- | Polytetrafluoroethylene (PTFE) | | |
| 65530-66-7 | Poly(difluoromethylene), .alpha-fluoro-omega-[2-1(2-methyl-1-xxx-2-propenyl)xxy]ethyl]- | Polytetrafluoroethylene (PTFE) | | |
| 65530-57-6 | Poly(difluoromethylene), alpha-fluoro-omega-[2-[[2-(trimethylammonio)ethyl]fluio[ethyl]-, methyl sulfate | Polytetrafluoroethylene (PTFE) | | |
| 163440-89-9 | Poly(difluoromethylene), alpha-hydro-omega. (2,2-dichloro-2-fluoroethyl)- | Polytetrafluoroethylene (PTFE) | | |
| 72987-44-1 | Polydifluoromethylene), alpha-hydro-omega-(phosphonoxy)methyl- | Polytetrafluoroethylene (PTFE) | | 1 |
| 80010-37-3 | Poly(difluoromethykee), alpha-fluoro-omega-[2-sulphoethyl)- | Polytetrafluoroethylene (PTFE) | | — |
| 115287-18-8 | Poly(methylnonafluorobexylsiloxane) | Polyfluoro siloxanes and silicones polymers | 4 | 4 |
| 122402-79-3 | Poly(oxy-1.2-ethanediy)), alpha-(4,4.5.5,6.6,7.7.8.8,9.9.10.10.11.11.11-heptadecafluoro-2-hydroxyundecyl)-omega-[(4,4.5.5.6.6,7.7.8.8,9.9.10.10.11.11.11-heptadecafluoro-2-hydroxyundecyl)oxy] | poly/perfluorinated COOPOLYMERS | 7 | 7 |
| 56467-05-1 | Poly(oxy-1,2-ethanediyl), .alpha-(tridecafluorohexyl)omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 6 | 6 |
| 165967-96-4 | Poly(oxy-1,2-ethanediy)), alpha: _alpha: _[13,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl)silylidyne[tris[oxy(dimethylsilylene)-3,1-propanediyl][tris[.omega-methoxy- | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| 143907-02-2 | Poly(oxy-1,2-ethanediyl), alpha.,alpha.*,alpha.*,(a)pha.**(oxydi-3,1,2-propanetriyl)tetrakisi.omega-{(heptadecafluorononenyl)oxy]}- | poly/perfluorinated COOPOLYMERS | 9 | 9 |
| 52032-20-9 | Poly(oxy-1,2-ethanediyl), .alpha-[[[(heptadecaffuorooctyl)sulfonyl]methylamino]carbonyl]- omega-butoxy- | poly/perfluorinated COOPOLYMERS | 8 | 8 |
| 68877-38-3 | Poly(oxy-1,2-ethanediy)), alpha-{1,4.4.5.5.5-hexafluoro-1,2.3-tris(trifluoromethyl)-2-pentenyl}-omega-{[1,4.4.5.5.5-hexafluoro-1,2.3-tris(trifluoromethyl)-2-pentenyl]-omega-{[1,4.4.5.5.5-hexafluoro-1,2.3-tris(trifluoromethyl)-2-pentenyl]oxyl- | poly/perfluorinated COOPOLYMERS | 1 | 5 |
| 68877-51-0 | Poly(oxy-1,2-ethanediy)), alpha-{1,4,4,5,5,5-hexafluoro-1,2,3-tris(trifluoromethyl)-2-pentenyl}-omega-methoxy- | poly/perfluorinated COOPOLYMERS | 5 | 5 |
| 306979-40-8 | Poly(oxy-1,2-ethanediyt), alpha-{2-(methylamino)ethyl}-omega-{(1,1,3.3-tetramethylbutyl)phenoxy}, N-{(perfluoro-C4-8-alkyt)sulfonyl) derivs. | poly/perfluorinated COOPOLYMERS | 4 | 8 |
| 93480-00-3 | Poly(oxy-1,2-ethanediyf), alpha-[2-[(2,2,3,3,4,4,5,5,6,6,7,8,8,8-pentadecafluoro-1-oxoocty]amino]ethyl]-omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 7 | 7 |
| 52550-45-5 | Poly(oxy-1,2-ethanediyl), alpha-[2-4](heptadecaffuoroocty)sulfonyl[propylamino]ethyl]-omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 8 | 8 |
| 29117-08-6 | Poly(oxy-1,2-ethanediyl), alpha-[2-]ethyl[(heptadecafluoroocty])sulfonyl]amino]ethyl]- omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 8 | 8 |
| 68958-61-2 | Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl](heptadexafluorooctyl)sulfonyl]amino[ethyl]-omega-methoxy- | poly/perfluorinated COOPOLYMERS | 8 | 8 |
| 68298-79-3 | Poly(oxy-1,2-ethanediyl), alpha-[2-[ethyl[(nonafluorobutyl)sulfonyl]amino[ethyl]-omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 4 | 4 |
| 68298-81-7 | Poly(oxy-1,2-ethanediyl), alpha-1/2-[ethyll(pentadecafluoroheptyl)sulfonyl[amino]ethyl]-omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 7 | 7 |
| 68958-60-1 | Poly(oxy-1,2-ethanediyl), alpha-[2-fethyl[(pentadecafluoroheptyl)sulfonyl]amino[ethyl]-omega-methoxy- | poly/perfluorinated COOPOLYMERS | 7 | 7 |
| 56372-23-7 | Poly(xxy-1,2-ethanediy), _alpha_{2}-[ethyt[(tride-caftuorohexyl)sulfonyljamino]ethyt]-omega-hydroxy- | poly/perfluorinated COOPOLYMERS | 6 | 6 |
| 68298-80-6 | Poly(oxy-1,2-ethanediyl), alpha-[2-{ethyl[(undecafluoropemyl)sulfonyl]amino ethyl]- omega-bydroxy- | poly/perfluorinated COOPOLYMERS | 5 | 5 |
| 65545-80-4 | Poly(oxy-1,2-ethanediyi), .alphahydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethylpoly(difluoromethylene) (1:1) | poly/perfluorinated COOPOLYMERS | ? | ? |
| 306975-84-8 | Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, polymer with 1,6-diisocyanatohexane, N-(2-hydroxyethyl)-N-methyl perfluoro C4-8-alkane sulfonamide-blocked | Fluorinated urethanes polymers | 4 | 8 |
| 70983-59-4 | Poly(oxy-1,2-ethanediyl), .alpha-methyl-omega-hydroxy-,2-hydroxy-3-{(.gamma-omega-perfluoro-C6-20-alky)thio]propyl ethers | poly/perfluorinated COOPOLYMERS | 6 | 20 |
| 83563-58-0 | Poly(oxy-1,2-ethanediv)). 243.4.44-tetrafluoro-2-f1,2.22-tetrafluoro-1-(trifluoromethy)-1-butenyl)-1-3-bis(trifluoromethy)-1-butenyl)-2-f13.4.44-tetrafluoro-2-f1,2.22-tetrafluoro-1-(trifluoromethy)-1-butenyl)-1-3-bis(trifluoromethy)-1-butenyl)-1-butenyl)-1-3-bis(trifluoromethy)-1-butenyl)-1-3-bis(trifluoromethy)-1-butenyl)-1-3-bis(trifluoromethy)-1-butenyl)-1-butenyl)-1-butenyl)-1-butenyl | poly/perfluorinated COOPOLYMERS | | |
| 83731-88-8 | Poly(oxy-1,2-ethanediy)), 2-methyl-2{[3,4,44-terrafluoro-2-{1,2,2,2-terrafluoro-1-{trifluoromethyl}-thyl]-1,3-bis(trifluoromethyl)-t-butenyl[oxy]- | poly/perfluorinated COOPOLYMERS | | |
| 68171-31-3 | Poly(oxy-1,4-butanediyl), alpha-{(trifluoromethyl)sulfonyl}-omega-[[(trifluoromethyl)sulfonyl]oxy]- | poly/perfluorinated COOPOLYMERS | | |
| 69991-67-9 | Poly(oxydifloormethanedy)(poly(oxy-1,1,2,3,3-3-bxxaflooro-1,2-propanedy)), apha-trifloormethy) | poly/perfluorinated COOPOLYMERS | | |
| 160965-19-5 | Poly[2-perfluoroalky](C4-8);ethylsiloxane] | Polyfluoro siloxanes and silicones polymers | 4 | 8 |
| 37626-13-4 | Poly(4.5-fifthorn-2.2-bis(trifluoromethyl)-1.3-dioxole/tetrafluoroethylene] | poly/perfluorinated POLYMERS | 4 | 4 |
| 146222-54-0 | Poly(oxy(1,1,2,2-tetrafluoro-1,2-ethanediy)), alpha-(1,1-difluoro-2-hydroxyethyl)- omega-(1,1-difluoro-2-hydroxyethyl) | Polytetrafluoroethylene (PTFE) | 4 | 4 |
| | | | | |
| 195158-89-5 | Poly(oxy(methyl-1,2-ethanediyl),a-{2-methyl-1-oxo-2-propenyl})-a-hydroxy-, polymer with a-fluoro-a-{2-{(1-oxo-2-propenyl)xoy}ethyl]poly(difluoromethylene) and a-{2-methyl-1-oxo-2-propenyl}-a-methoxypoly(oxy1,2-ethanediyl) | poly/perfluorinated POLYMERS | | |
| 37338-48-0 | Pulyfoxy(methyl-1,2-ethanedýl)], alpha-[2-{ethyl([heptadecafluorooctyl)sulfonyl]amino ethyl-omega-hydroxy- | poly/perfluorinated POLYMERS | 8 | 8 |
| 68310-18-9 | Polyfoxy(methyl-1,2-ethanedyl)j, alpha-[2-{ethyl[(nonafluorobuty]sulfonyl]naminojethyl)-omega-hydroxy- | poly/perfluorinated POLYMERS | 4 | 4 |
| 68259-39-2 | Polyfoxy(methyl-1,2-ethanediyl),. alpha-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]namino]ethyl]-omega-hydroxy- | poly/perfluorinated POLYMERS | 7 | 7 |
| 68259-38-1 | Poly(oxy(methyl-1,2-ethanediyl)],_alpha_[2-[ethyl]((ridecafluorohexyl)sulfonyl)aminoJethyl]-omega-hydroxy- | poly/perfluorinated POLYMERS | 6 | 6 |
| 68310-17-8 | Polyfoxy(methyl-1,2-ethanediyl)j, alpha-[2-[ethyl[(undecafluoropentyl)sulfoxyl]amino]ethyl]-omega-hydroxy- | poly/perfluorinated POLYMERS | 5 | 5 |
| 330678-54-1 | Poly(oxy(methyl-1,2-ethanediyl)), alpha-hydro-omega-hydroxy-, polymer with 1,3-disocyanatomethylbenzene, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,8-beptadecafluoro-N-(2-hydroxyethyl)-N-propyl-1-oxtaneus/fonamide and polypropylene glycol mono-butylether-blocke | Fluorinated urethanes polymers | 8 | 8 |
| 1-87-4 | Poly(oxy(methyl-1,2-ethanediyl)], alphahydro-omega-hydroxy-, polymers with perfluoro-C8-14-alkyl acrylate, 3-hydroxypropyl group terminated dimethylsiloxane, methylenedi-p-phenylene diisocyanate, polymethylenepolyphenylene isocyanate, 2-butanone oxime | poly/perfluorinated COOPOLYMERS | 8 | 14 |
| 51798-33-5 | Poly(oxy(trifluoro(trifluoromethy)-1,2-ethanedy)]], alpha.(1-carboxy-1,2,2,2-tetrafluoroethy)-omega[tetrafluoro(trifluoromethy)]ethoxy]- | poly/perfluorinated POLYMERS | | |
| 65208-35-7 | Poly(oxytrifluoro(trifluoromethy))-1.2-ethanoisyl], .alpha[1,2,2,2-tetrafluoro-1-(fluorocarbony)ethyl]-onega[tetrafluoro(trifluoromethy)]ethoxy]- | poly/perfluorinated POLYMERS | | |
| 126066-30-6 | Poly(oxy(iifluoro(trifluoromethy))-1.2-ethanedy)], alpha-[1,2,2,2-tetrafluoro-1-(hydroxymethy)ethyl)-mega-[tetrafluoro(trifluoromethy)ethoxy]- | poly/perfluorinated POLYMERS | 4 | 4 |
| 134035-61-3 | Poly(oxytrifluoro(trifluoromethyl)-1.2-ethanoityl], alpha-[1,2,2.2-tetrafluoro-1-(methoxycarbony)ethyl]-omega-[tetrafluoro(trifluoromethyl)thoxy]- | poly/perfluorinated POLYMERS | 4 | 4 |
| 29014-57-1 | Poly-1,1-dihydropentadecafluoroctyl methacylate | Fluorinated (meth)acrylate polymers | 2 | 5 |
| 31623-04-8 | Polyfluorously (C2-5) methacytate | Fluorinated (meth)acrylate polymers Fluorinated (meth)acrylate polymers | 2 | 5 |
| 51025 07 0 | | | | |

| 59006-66-5 | Polyfluoroalkyl (C2-5) methacrylate | Fluorinated (meth)acrylate polymers | 2 | 5 |
|--------------------------|--|--|---|-------------|
| 95243-53-1 | Polyfluoroalkyl (C2-5) methacrylate | Fluorinated (meth)acrylate polymers | 2 | 5 |
| | Polymer of 2-ethylbesyl methacrylate, 14-hydroxy-3.6.9.12-tetraoxabexadecyl methacrylate, 11-hydroxy-3.6.9-trioxaundecyl methacrylate and 2-forefluorofralkyl(C 4-14)Hethyl acrylate, which has addition commound of octane-1-thiol on one terminal | | | |
| 512179-48-5 | resystem or e-entry internacy intern | Fluorinated (meth)acrylate polymers poly/perfluorinated COOPOLYMERS | 4 | 14 |
| | Solvines to strategy per unconstructive to a strategy per unconstructive to the strate | | 4 | 8 |
| 160336-17-4 | | Fluorinated (meth)acrylate polymers | 4 | 8 |
| | polyperfluoroethyl polyether triazine | poly/perfluorinated ETHERS | - | |
| | polyperfluoroethyl polyether(n-21) phosphinate | poly/perfluorinated ETHERS | 3 | 3 |
| | polyperfluoroethyl polyether(n-6) mono-phosphate | poly/perfluorinated ETHERS | 3 | 3 |
| | polyperfluoroethyl polyether(n=12) thiophosphate | poly/perfluorinated ETHERS | 3 | 3 |
| 60164-51-4 | polyperfluoropropyl ether Zonyl PFFE lubricant | poly/perfluorinated POLYMERS | 2 | 2 |
| 65530-82-7 | Poly-TFE, alpha,omega-difluoro- | poly/perfluorinated POLYMERS | 1 | 99 |
| | Potassium perfluorobutane -sulfonate, PFBS-K | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 190605-64-2 | Potassium salt of perfluoroalkyl (C=5-10), N-ethylsulfonylglycine | poly/perfluorinated ALKOHOLS | 5 | 10 |
| 756426-58-1 | Potassium, 1,1,2,2-tetrafluoro-2-(perfluorohexyloxy)ethane sulfonate | poly/perfluorinated ETHERS | 2 | 6 |
| 160305-97-5 | $Potassium, 3,4,5,6-tetrachloro-N-\{3-((perfluoroalkyl)(C=6-8) sulfonyloxy))phenyl[phthalamate] Potassium, 3,4,5,6-tetrachloro-N-\{3-((perfluoroalkyl)(C=6-8) sulfonylo$ | poly/perfluorinated POLYMERS | 6 | 8 |
| 503431-63-8 | Proline, 1-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)sulfonyl}, lithium salt | poly/perfluorinated SULFONAMIDES | 8 | 8 |
| 68187-42-8 | Propanamide, 3-[(,gammaomega-perfluoro-C4-10-alkyl)thio] derivs. | poly/perfluorinated TIOLS | 4 | 10 |
| 71608-63-4 | Propanamide, N-(1,1-dimethyl-3-oxobutyl), 3-[(.gammaomegaperfluoro-C6-20-alkyl)thio] derivs. | poly/perfluorinated TIOLS | 6 | 20 |
| 106372-30-9 | Propane, 1-(1,2-dichloro-1,2,2-trifluoroethoxy)-1,1,2,2,3,3-heptafluoro- | poly/perfluorinated ESTERS | 3 | 3 |
| 1623-05-8 216 | +2 Propane, 1,1,1,2,2,3,3-heptafluoro-3-{(trifluoroethenyl)xxy}- | poly/perfluorinated ETHERS | 3 | 3 |
| 74499-68-6 | Propane, 1.1,1.2,2,3,3-heptafluoro-3-{(trifluoroethenyl)xxy}-, polymer with 1,1-difluoroethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 35397-13-8 | Propane, 1,1,1,2,2,3,3-heptaflauro-3-{(trifluoroetheny)xoy}-, polymer with chlorotrifluoroethene and ethene | poly/perfluorinated POLYMERS | | İ |
| 29087-71-6 | Propane, 1,1,1,2,2,3,3-heptafluoro-3-{(trifluoroethenyl)xxy}-, polymer with ethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 26655-00-5 | Propus, 1,1,1,2,3,3-sepannos-7-(minnocontemposy); polymer with tearful recording Propus, 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 | Polytetrafluoroethylene (PTFE) | | 1 |
| 165178-32-5 | Propus, 1.1.1.2.2.3.3-leptafluoro-H(triffuocatemynyl) xwyl - polymer with tetrafluorochene and trifluorot(trifluoromethoxy)ethane | Polytetrafluoroethylene (PTFE) | | |
| | Propare, 1, 1, 1, 2, 3, 3, 4 spanishto-p-2 (trifinosocanstyny), poyane war acamoroconsis and trimocolumnoconsmony, same Propare, 1, 1, 1, 2, 3, 3, 4 spanishto-p-2 (trifinosocanstyny), poyane war acamoroconsis and trimocolumnoconsmony, same Propare, 1, 1, 1, 2, 3, 3, 4 spanishto-p-2 (trifinosocanstyny), poyane war acamoroconsis and trimocolumnoconsmony, same Propare, 1, 1, 1, 2, 3, 3, 4 spanishto-p-2 (trifinosocanstyny), poyane war acamoroconsis and trimocolumnoconsmony, same Propare, 1, 1, 1, 2, 3, 3, 4 spanishto-p-2 (trifinosocanstyny), poyane war acamoroconsis and trimocolumnoconsis and trimocolumnoconsis and tripocolumnoconsis and trimocolumnoconsis and tripocolumnoconsis and t | | | |
| 354-92-7 | | poly/perfluorinated ALKANES/ALKENES | 4 | 3 |
| 10372-98-2 233 | -6 Propane, 1,1,1,2,3,3-regnamoro-2(muronoemeny)xxy)- Pronue, 1,1,1,2,3,3-regnamoro-2(muronoemeny)xxy)- Pronue, 1,1,1,3,3,3-regnamoro-2(muronoemeny)xxy)- | poly/perfluorinated ESTERS | 1 | 3 |
| 28523-86-6 | To a symmetric Control of | poly/perfluorinated ESTERS | 3 | 3 |
| 374-51-6 | Propune, 1,1,1,3,3-bexafluoro-2,2-bis(trifluoromethyl)- | poly/perfluorinated ALKANES/ALKENES | 5 | 5 |
| 4459-18-1 | Propune, 1,1,1,3,3-bexafluoro-2-iodo-2-(trifluoromethyl)- | poly/perfluorinated IODIDES | 4 | 4 |
| 4459-18-1 | Propane, 1,1,1,3,3-hexafluoro-2-iodo-2-(trifluoromethyl)- | poly/perfluorinated IODIDES | 4 | 4 |
| 252846-11-0 | Propane, 1,1,2,2,3,3-hexafluore-1-{(trifluoroethenyl)oxy}-3-{(trifluoroethenyl)oxy}-5-{(trifluoroethene and tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| 16627-68-2 | Propane, 1,1,2,2-tetrafluoro-3-(1,1,2,2-tetrafluoro-ethoxy)- | poly/perfluorinated ESTERS | 5 | 5 |
| 3330-14-1 | Propane, 1-[1-[difluoro(1,2,2.2-tetrafluoroethoxy)methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,3,3,3-beptafluoro- | poly/perfluorinated ETHERS | 1 | 3 |
| 1644-11-7 216 | Propane, 1-[1-[diffuoro((trifluoroethenyl).oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2,3,3,3-heptafluoro- | poly/perfluorinated ETHERS | 3 | 3 |
| 85720-81-6 288 | Propane, 2-(1,2-dichloro-1,2,2-trifluoroethoxy)-1,1,1,2,3,3-heptafluoro- | poly/perfluorinated ESTERS | 3 | 3 |
| 1542-18-3 | Propane, 2-(difluoroiodomethyl)-1,1,1,2,3,3,3-heptafluoro- | poly/perfluorinated IODIDES | 4 | 4 |
| 163702-08-7 | Propane, 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoro- | poly/perfluorinated ETHERS | 1 | 4 |
| 163702-06-5 | Propane, 2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoro- | poly/perfluorinated ETHERS | 3 | 3 |
| 29819-80-5 249 | -4 Propane, 3-(ethenyloxy)-1,1,2,2-tetrafluoro- | poly/perfluorinated ESTERS | 2 | 2 |
| 226409-30-9 | Propanedioic acid, 2-(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-, 1,3-bis[4-(ethenyloxy)butyl] ester | OTHER poly/perfluorinated ORGANICS | 6 | 6 |
| 220075-01-4 | Propanedioic acid, 2-(3,3,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-, 1,3-dimethyl ester | OTHER poly/perfluorinated ORGANICS | 6 | 6 |
| 238420-80-9 | Propanedioic acid, mono(,gammaomegaperfluoro-C8-12-alkyl) derivs, his[4-(ethenyloxy)butyl] esters | OTHER poly/perfluorinated ORGANICS | 8 | 12 |
| 238420-68-3 | Pronanctioic acid. monof.cammaomegaperfluoro-C8-12-alkvl) derivs. di-Me esters | OTHER poly/perfluorinated ORGANICS | 8 | 12 |
| 177484-43-4 | Propanenitrile, 2,3,33-strafluoro-2-[1,1,2,2,3-3-hexafluoro-3-[(trifluoroethenyl)oxy]propoxy]-, polymer with tetrafluoroethen and trifluoro(trifluoromethoxy)ethene | Polytetrafluoroethylene (PTFE) | 3 | 4 |
| 69804-19-9 274 | | poly/perfluorinated ESTERS | 1 | 2 |
| 71832-66-1 | Propagatinine, 3-11-diminori(influorendensy)osy) methyl+1,2,2-est-animono-polymer with tetrafluorendensy there are a superiority of the superiorit | Polytetrafluoroethylene (PTFE) | 1 | † |
| 149339-57-1 | Propuse dis 41(3.3.4.5.6.7.7.8.8.7.micsellmorocctyltidio) Propuse dis 41(3.3.4.5.6.7.7.8.8.7.micsellmorocctyltidio) | poly/perfluorinated TIOLS | 6 | 6 |
| | requince and 2,2,3-rithough and 2,2,3-rithough and 3,2,3-rithough and | 1 11 | , | |
| 919005-14-4 | | poly/perfluorinated ETHERS | - | 3 |
| 62037-80-3 700 | | poly/perfluorinated ETHERS | 2 | 3 |
| 13252-14-7 236 | | poly/perfluorinated ETHERS | 2 | 3 |
| | po Propanoic acid, 2,5,33-etrafluoro-2-{1,1,2,3,33-hexafluoro-2-thepathuoropropoxylyropoxyl-, potassium salt | poly/perfluorinated ESTERS | 1 | 3 |
| 4089-61-6 223 | | poly/perfluorinated ETHERS | 1 | 3 |
| 176590-84-4 | Propanoic acid, 3-{(.gammaomegaperfluoro-C6-18-alkyl)thio/derivs | poly/perfluorinated TIOLS | 6 | 18 |
| 70892-42-1 | Propanoic acid, 3-[(2-fluoroethyl)thio]-, telomer with tetrafluoroethene, reaction products with chromium chloride hydroxide (CrCI2(OH)) (1:2) | poly/perfluorinated POLYMERS | 1 | 99 |
| 433333-62-1 | Propanoic acid, 3-{(3,3,4,4,5,5,6,7,7,8,8,8-tridecafluorooctyl)thio}-, lithium salt | poly/perfluorinated TIOLS | 6 | 6 |
| 476304-39-9 | Propancic acid, 3-(3.3,4,4,5.5,6,6,7,7,8,9,9,10,10,10-heptadecafluorodecyl)thio}-2-methyl-, lithium salt | poly/perfluorinated TIOLS | 8 | 8 |
| 69068-23-1 | Propanoic acid, 3-[1-[difluoro-[(trifluoroethenyt)exy]methyl]-1,2,2,2-tetrafluoroethenyy]-2,2,3,3-tetrafluoro-, sodium salt, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | 1 |
| 1378930-30-3 | Propanoic acid, 3-[1-[difluoro((1,2,2-trifluoroetheny])oxy]methyl]-1,2,2,2-terrafluoroethoxy]-2,2,3,3-terrafluoro-, methyl ester, polymer with 1,1,2,2-terrafluoroethene, hydrolyzed, potassium salts | Polytetrafluoroethylene (PTFE) | | 2 |
| 69087-46-3 | Propanoic acid, 3-[1-[difluoro((trifluoroethenyl)xxy]methyl]-1,2,2,2-setrafluoroethexyl-2,2,3,3-setrafluoroethexyl-2,2,3-setrafluoroeth | poly/perfluorinated ETHERS | 1 | 3 |
| 63863-44-5 | Propancic acid, 3-[1-[difluoro((trifluoroethenyl)cxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| | Propanoic acid, 3-[1-[difluoroc[(trifluoroctheny)]oxy]methyl]-1,2,2,2-tetrafluorocthoxy]-2,2,3,3-tetrafluoro-, polymer with tetrafluorocthene | Polytetrafluoroethylene (PTFE) | | |
| 69087-47-4 | | | | 1 |
| 69087-47-4 70788-53-3 | Propancic acid, 3-[1-[difluoro[(trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-potassium salt, polymer with tetrafluoroethene | Polytetrafluoroethylene (PTFE) | | |
| | Propanoic acid, 3-[1-[difluoro](trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-, potassium salt, polymer with tetrafluoroethene Propanoic acid, 3-[2-[1,2-difluoro-2-oxo-1-(trifluoromethyl)ethoxy]-1,2,2-irifluoro-1-(trifluoromethyl)ethoxy]-1,2,2-3,3-tetrafluoro-, methyl ester | Polytetrafluoroethylene (PTFE) poly/perfluorinated ESTERS | 1 | 3 |
| 70788-53-3 | | | 1 | 3 |

| 306975-56-4 | Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and N.N-2-tris(6-isoxyanatohexyl)imidodicarbonic diamide, reaction products with N-ethyl-1,1,2,2,3,4,4,5,5,6,6,7,8,8-heptadecafluoro-N-(2-hydroxymethyl)-1,0-hydroxymethyl)-2-methyl-1,0-hydroxymethyl)-1,0-hydroxymethyl)-1,0-hydroxymethyl)-1,0-hydroxymethyl)-1,0-hydroxymethyl-2-methyl-1,0-hydroxymethyl-1,0-hydroxymethyl-2-methyl-1,0-hydroxymethyl-1,0-h | poly/perfluorinated POLYMERS | 7 | 8 |
|---|---|--|--|--|
| 328390-05-2 | Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymers with 1,4-cyclohexanedimethanol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexan e and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, compds. with triethylamine | poly/perfluorinated POLYMERS | | |
| | | | | |
| 328389-91-9 | Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymers with 5-isocyanato-1-(isocyanator-letyl)-1,3,3-trimethyl-gyclohexane and reduced Me esters of reduced polymd. oxidized tetrafluoroethylene, compds. with triethylamine | poly/perfluorinated POLYMERS | | |
| 26779-98-6 | Propanoic acid, ethenyl ester, polymer with 1,1-difluoroothene and tetrafluoroothene Proganoyl fluoride, 2,2,3,3-tetrafluoro-3-(trifluoroothene) | Polytetrafluoroethylene (PTFE) | | ļ . |
| 425-38-7 1682-78-6 | prognany innorane_zz_s_a-serranuoro-s-(minoro-shore) Prognany innorane_zz_s_a-serranuoro-s-(minoro-shore) Prognany innorane_zz_s_a-serranuoro-s-(minoro-shore) | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 4 | 4 |
| 2062-98-8 218-173-8 | requiring morase, 23.33-steration co-24.1.1.2.2-penanton control Propagation (Inc. 23.33-steration co-24.1.1.2.2-penanton control Propagation (Inc. 23.33-steration co-24.1.2.2.2-penanton control Propagation (Inc. 23.33-steration co-24.1.2.2.2-penanton control Propagation (Inc. 23.33-steration co-24.1.2.2.2-penanton control Propagation (Inc. 23.33-steration co-24.1.2.2-penanton control Propagation (Inc. 23.33-steration co-24.1.2-penanton | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 12 | 12 |
| 2927-83-5 | required montas, 2,2,3,3-tertamutor-y-Quimbonophy Propancy I montas, 2,2,2,3-tertamutor-y-Quimbonophy Propancy I montas, 2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2 | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 12 | 12 |
| 4089-57-0 223-823-9 | Propasoy Huorida, 2,3,3-astrafilacro-2-(11,12,2-startifucro-2-(fluorosulfon/))ethoxyl- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 5 | 5 |
| 2641-34-1 220-141-3 | Propanoyi fluoride, 2,3,33-tetrafluoro-2-(1,1,2,3,33-hexafluoro-2-(heptafluoropropoxy)-propoxy) | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 2 | 3 |
| | | | | |
| 241148-23-2 | Propanoy! filtoriske, 23.3.3-terrafluoro-2-[1,1,2,3,3.3-bexafluoro-2-(heptafluoropropoxy)propoxy]-, polymer with trifluoro(trifluoromethy)loxirane, reaction products with 3.3'(3,3.4.4.5.5.6.6.7.7.8.8-dodecafluoro-1,10-decanediy)bis[3-(dimethylsily)loxy] | poly/perfluorinated POLYMERS | 5 | 5 |
| 25711-77-7 247-202-7 | Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-{1,1,2,3,3-hexafluoro-2-(pentafluorophenoxy)propoxyl- Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-{1,1,2,3,3-hexafluoro-2-{1,1,2,2-tetrafluoro-2-(fluorosulforyl)ethoxylpropoxyl- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 1 | 4 |
| 4089-58-1 223-824-4 27639-98-1 | requiry morne, _2,3,2-serration>= {1,1,2,3,3-sexanion>= {1,1,2,2,3,3-sexanion>= {1,1,2,2,3,3-sexanion>= {1,1,2,2,3,3-sexanion>= {1,1,2,2,3,3-sexanion>= {1,1,2,3,3,3-sexanion>= {1,1,2,3,3,3-sexan | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 2 | 3 |
| 27639-98-1 112820-37-8 | Froguny) mornie, 23-33-semanous-24-11, 23-33 | | 3 | 3 |
| 81126-57-0 | Populary Internal, 21-internal popular and | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 4 | 4 |
| 68988-53-4 | requires months of a methyl, C4-landy expression of methyl methyl (methyl methyl methy | Elucripated (meth)acrulate polymers | 9 | 14 |
| 25935-14-2 | Pridinium, 13.344.5.5.66.71 kg.9.10.10 kg.9.10 | poly/perfluorinated IODIDES | 8 | 8 |
| 61798-68-3 | Pyridmium 1-(3-3.4.4.5.5,6.6.7.7.8.8.9.9.10.10.10-hepstadecafluorodecyl), salt with 4-methylbenzenesalfonic acid (1:1) | OTHER poly/perfluorinated ORGANICS | 8 | 8 |
| 92129-34-5 | Quaternary ammonium compd., (hydroxyethyl)dimethyl(,gammaomegaperfluoro-C8-14-beta-alkenyl), Me sulfates | poly/perfluorinated AMMONIUM ORGANICS | 8 | 14 |
| 145477-02-7 | Quaternary ammonium compd., diethylmethyli, gamma-omega-perfluoro-CS-14-beta-alkenyl), tetraphenyl borates | poly/perfluorinated AMMONIUM ORGANICS | 8 | 14 |
| 127133-57-7 | Quaternary ammonium compd., diethylmethyli, gamma-omega-perfluoro-C8-14-aikenyl, methyl sulfates | poly/perfluorinated AMMONIUM ORGANICS | 8 | 14 |
| 153325-45-2 | Quaternary ammonium compd., diethylmethyl-(perfluoro-C8-14-(alkenyl), tetrafluoroborates | poly/perfluorinated AMMONIUM ORGANICS | 8 | 14 |
| 91081-09-3 | Quaternary ammonium compounds, (hydroxyethyl)dimethyl (gammaomegaperfluoro-2-C8-14-alkenyl), chlorides | poly/perfluorinated AMMONIUM ORGANICS | 8 | 14 |
| 85631-40-9 | Quaternary ammonium compounds, dimethyl(,gammaomega-perfluoro-C8-14-beta-alkenyl)[2-(sulfooxy)ethyl], hydroxides, inner salts | poly/perfluorinated AMMONIUM ORGANICS | 8 | 14 |
| 115535-36-9 | Quaternary ammonium compounds, trimethyl(8-o-perfluoro-C8-14-β-alkenyl), chlorides (AICS) | poly/perfluorinated AMMONIUM ORGANICS | 5 | 11 |
| 68127-59-3 614-283-9 | reaction mass of (1R.3R)-3-{(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl}-2,2-dimethylcyclopropamecarboxylic acid and (18,38)-3-{(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl}-2,2-dimethylcyclopropamecarboxylic acid | poly/perfluorinated POLYMERS | | |
| 700-755-2 | reaction mass of (3E)-1,1,2,2,34,5,6,6,7,7,4ridecafluoro-5-methoxyhept-3-ene and (2E)-1,1,1,2,34,5,5,6,6,7,7,4ridecafluoro-4-methoxyhept-2-ene and (3E)-1,1,1,2,2,4,5,5,6,6,7,7,4ridecafluoro-3-methoxyhept-3-ene | OTHER poly/perfluorinated ORGANICS | 3 | 7 |
| | | 1 | | |
| 939-133-2 | Reaction mass of 1,1,2,2-terrafluoro-2-[[(4R,5S)-2,2,4,5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-ylloxy]ethyl carbonofluoridate, 1,1,2,2-terrafluoro-2-[[(4S,5S)-2,2,4,5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-ylloxy]ethyl carbonofluoridate | poly/perfluorinated ETHERS | 2 | 2 |
| 422-270-2 | Reaction mass of 1,1,2,3,3-hexafluoro-2-(trifluoromethyl)propyl methyl ether and methyl 1,1,2,2,3,3,4,4-nonafluorobutyl ether | OTHER poly/perfluorinated ORGANICS | 4 | 4 |
| 425-340-0 | Reaction mass of 1-ethoxy-1,1,2,3,3,3-bexafluoro-2-(trifluoromethyl)propane and 1-ethoxy-1,1,2,2,3,3,4,4,5-honafluorobutane Reaction mass of 2,2,3,3,4,5,5,6-nonafluoro-6-(heptafluoropropyl)tetrahydro-2H-pyran and 2,2,3,3,4,4,5-heptafluorotetrahydro-5-(nonafluorobutyl)furan | OTHER poly/perfluorinated ORGANICS | 3 | 3 |
| 908-197-3 473-390-7 | Reaction mass or 22,33,55,66-enations of cytic plantage of control and control | OTHER poly/perfluorinated ORGANICS OTHER poly/perfluorinated ORGANICS | 2 | 5 |
| 4/3-390-7 | Texastic mass or | OTHER poly/pertuorinated ORGANICS | | * |
| | D. size 12.2.5.5.6 by 0. 2.2.6 bis/bis/constable 1.4.5 by 1.1.1.2.2.2 by 0. 2.2.bis/constable 2.2.bis/ | | | |
| 161075-00-9 500-537-5 | Reaction mass of 2,2,3,5,5,6-bexafluoro-3,6-bis(trifluoromethys)-1,4-dioxane, 1,1,1,2,3-bexafluoro-2,3-bis(pentafluoroethoxy)propane, 1,1,1,2,3-bexafluoro-2 | poly/perfluorinated POLYMERS | | |
| | | | | 3 |
| 161075-00-9 500-537-5 1190931-27-1 682-238-0 | Reaction mass of ammonium difluoro [[(4S,SR)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(4R,SS)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(4S,SS)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(4S,SS)-2 | poly/perfluorinated POLYMERS | | 3 |
| | Reaction mass of ammonium difluoro [[(4\$,5R)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetic acid, difluoro[[(48,5R)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetic acid, difluorof[[(48,5R)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetic acid, difluorof[[(48,5 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS | | 3 |
| 1190931-27-1 682-238-0 | Reaction mass of ammonium difluoro [[(4S,SR)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(4R,SS)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(4S,SS)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(4S,SS)-2 | poly/perfluorinated POLYMERS | 6 | 3 6 |
| 1190931-27-1 682-238-0 | Reaction mass of ammonium difluoro [[(4\$,5R)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetic acid, difluoro[[(48,5R)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetic acid, difluorof[[(48,5R)-2,2,45-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetic acid, difluorof[[(48,5 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS | 6 | 3 3 6 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 | Reaction mass of ammonium difluoro [[(48,5R)-2,2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,4 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS | 6 | 3 3 6 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 | Reaction mass of ammonium difluoro [[(45,5R)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(45,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(45,5S)-2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(45,5S)-2,4.5 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS | 6 | 3 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 | Reaction mass of ammonium difluoro [[(48,5R)-2,2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,4 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS | 6 | 3 3 6 3 3 8 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 | Reaction mass of ammonium difluoro [[(45,5R)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(45,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(45,5S)-2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(45,5S)-2,4.5 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS | 6 8 6 | 3 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 | Reaction mass of ammonium difluoro [[(48,5R)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, acid, difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, acid, difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, potassium difluoro [[(48,5S)-2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, pota | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULYHONAMIDES Fluorinated ureflunes polymers | 8 | 3 8 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 | Reaction mass of ammonium difluoro [[(45,5R)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy]acetate, ammonium difluoro [[(48,5S)-2 | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers | 8 6 | 3 8 12 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 | Reaction mass of ammonium difluoro [[(48,5R)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, aceta difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, potassium difluoro | poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULFONAMIDES | 6 8 6 3 8 | 3 8 12 8 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 164-10-6 182700-90-9 510732-30-6 507225-08-3 510730-3-3 500086-57-1 | Reaction mass of ammonium difluoro [[(48,58)-2,2.4.5-terafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yl]oxy] acetate, potassium diflu | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES | 6 8 6 3 8 6 | 3 8 12 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 | Reaction mass of ammonium difluoro [[(48,5R)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, aceta difluoro [[(48,5S)-2,2.45-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, potassium difluoro | poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULFONAMIDES | | 3 8 12 8 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 500086-57-1 104075-34-5 | Reaction mass of ammonium difluoro [[(48,5R)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetate, potassium difluoro [[(48,5S)-2,2,4.5-tetrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] aceta | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOORGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urerhanes polymers Fluorinated urerhanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated FOLYMERS | | 3 8 12 8 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 11644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 59086-57-1 104075-34-5 70815-20-2 | Reaction mass of ammonium difluoro [[(48,58)-2,2.45-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,58)-2,2.45-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetite acid, difluoro [[(48,58)-2,2.45-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetite acid, difluoro [[(48,58)-2,2.45-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetite acid, difluoro [[(48,58)-2,4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acid acid acid acid acid acid acid acid | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS | | 3 8 12 8 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 509086-57-1 104075-34-5 70815-20-2 83048-65-1 | Reaction mass of ammonium difluoro [[(48,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, ammonium difluoro [[(48,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, acid, difluoro [[(48,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetate, potassium difluoro [[(48,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetat | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated SULFONAMIDES | 6 | 3 8 12 8 8 18 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-30-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-0-3 509086-57-1 104075-34-5 70815-20-2 38446-61-7 233-930-6 | Reaction mass of ammonium difluoro [[(48,58)-2,2.4.5-tetrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetate, potassium difluoro [[(48,58)-2,2.4.5-tetrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acet | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated PHOSPHOGGANICS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated utrehanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated SULOXANES/SILICONES/SILIANES/SILICATES poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 3 8 12 8 8 8 18 |
| 1190931-27-1 682-238-0 1190931-31-9-5 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 509086-57-1 104075-34-5 70815-20-2 83048-65-1 38436-16-7 253-930-6 73609-36-6 277-551-0 | Reaction mass of ammonium difluoro [[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetae, ammonium difluoro [[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetae, ammonium difluoro [[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetia exid, difluoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetia exid, difluoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, potassium difluoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, potassium difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, potassium difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, potassium difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoro[[(48,58)-2,4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] ace | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMIDES poly/perfluorinated SILFONAMES SILFONES/SILANES/SILFOATES poly/perfluorinated SILFONAMES/SILFONES/SILANES/SILFOATES poly/perfluorinated SILFONAMES/SILFONES/SILANES/SILFOATES poly/perfluorinated SILOXAMES/SILFONES/SILANES/SILFOATES | 6 | 3 8 12 8 8 18 |
| 1190931-27-1 682-238-0 1190931-39-5 682-239-6 1190931-39-5 682-240-1 1644-10-6 182709-90-9 510732-30-6 507225-08-3 512179-62-3 50908-67-1 10407-3-4-5 70815-20-2 83048-65-1 3434-16-7 253-930-6 73609-3-6-6 277-551-0 152992-46-6 | Reaction mass of ammonium diffuoro [[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, ammonium diffuoro [[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, ammonium diffuoro [[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, diffuoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, diffuoro[[(48,58)-2,2.45-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, diffuoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, potassium difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoromethoxy-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoro[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoros[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, difluoros[[(48,58)-2,2.4,5-setrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetiae, acid, | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated ureflanes polymers Fluorinated ureflanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULPONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated SILOXANES/SILCONES/SILANES/SILICATES poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 3 8 12 8 8 18 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 164-10-6 182709-99-5 510732-30-6 507225-08-3 512179-62-3 500086-57-1 104075-34-5 70815-34-5 38436-16-7 253-930-6 73609-36-6 277-551-0 152992-46-6 83038-83-9 | Reaction mass of ammonium difluoro [[(48,5R)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetate, ammonium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetic acid, difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetic acid, difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetic acid, difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetic acid, difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-yl]oxy] acetic possision difluoro [[(48,5S)-2,2.4.5-terrafl | poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Fluorinated urethanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated ODLES poly/perfluorinated FOLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SILOXANES/SILCONES/SILANES/SILCATES | 6 | 3 8 12 8 8 18 |
| 1190931-27-1 682-238-0 1190931-31-5 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 509086-57-1 104075-34-5 70815-20-2 83048-65-1 38436-16-7 253-930-6 83038-83-9 88587-17-6 83038-83-9 88587-17-6 94237-08-8 | Reaction mass of ammonium diffuoro [[(48,5R)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, ammonium diffuoro [[(48,5S)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, ammonium diffuoro [[(48,5S)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, acid, difluoro[[(48,5S)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, acid, difluoro[[(48,5S)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, potassium difluoro[[(48,5S)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, difluoro[[(48,5S)-2,2.4.5-tertafluoro-5-(trifluoromethoxy)-1.3-dioxolan-4-ylloxy] acetae, difluoroffice d | poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SULYFONAMIDES Fluorinated uturehanes polymers Fluorinated uturehanes polymers poly/perfluorinated SULYFONAMIDES poly/perfluorinated SULYFONAMIDES poly/perfluorinated SULYFONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated SILOXANESSILLCONESSILANESSILLCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILLCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILLCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILLCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILCATES poly/perfluorinated SILOXANESSILLCONESSILANESSILCATES poly/perfluorinated SILOXANESSILCONESSILANESSILCATES | 6 8 4 6 8 4 6 | 3 8 12 8 8 18 18 4 6 6 6 6 6 |
| 1190931-27-1 682-238-0 1190931-31-682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-83 512179-62-3 509086-57-1 104075-34-5 70815-20-2 83048-65-1 38436-16-7 253-930-6 73609-36-6 277-551-0 152992-46-6 83038-83-9 85857-17-6 94237-08-8 1034681-41-8 375-63-3 | Reaction mass of ammonium difluoro [[(48,5R)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, potassium difluoro [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, potassium difluorol [[(48,5S)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan | poly/perfluorinated POLYMERS poly/perfluorinated SULFONAMIDES Pluorinated urethanes polymers poly/perfluorinated SULFONAMIDES poly/perfluorinated SULFONAMIDES poly/perfluorinated FOLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SILOXANES/SILCONES/SILANES/SILCATES | 8 4 6 8 4 6 | 3 8 12 8 8 8 18 18 4 4 6 6 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 509086-57-1 104075-34-5 70815-20-2 83048-65-1 38436-67-2 53-930-6 277-551-0 152092-46-6 83038-83-9 83587-17-6 94237-08-8 1034681-41-8 375-63-3 78560-45-9 278-947-6 | Reaction mass of ammonium difluoro [[(48,58);2,2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy) acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy) acetate, potassium difluoromethoxy-1,3-di | poly/perfluorinated POLYMERS poly/perfluorinated SULPONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULPONAMIDES poly/perfluorinated SULPONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated SILOXANESSILICONESSILANESSILICATES 8 4 6 8 4 6 | 8 8 12 8 8 18 18 18 6 6 6 6 6 4 4 6 6 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 590986-57-1 104075-34-5 70815-20-2 83048-65-1 38436-16-7 253-930-6 277-551-0 152992-46-6 83038-83-9 88857-17-6 94237-08-8 1034681-41-8 375-63-3 78560-45-9 278-947-6 | Reaction mass of ammonium difluoro [[(45,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium difluoro [[(45,55)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium difluoro [[(45,55)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, ammonium sals Reaction mass of mixed [3,3,4.5.5,6.6.7,8,8.8-tridecafluoroexyl) phosphates, ammonium sals Reaction mass of potassium difluorol[[(45,58)-2,2.4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, potassium difluorol[[(45,58)-2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4-yljoxy] acetate, potassium difluorol[[(45,58)-2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-di | poly/perfluorinated POLYMERS poly/perfluorinated SULYFONAMIDES Pluorinated urethanes polymers Pluorinated urethanes polymers poly/perfluorinated SULYFONAMIDES poly/perfluorinated SULYFONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated SILOXANES/SILLCONES/SILANES/SILLCATES poly/perfluorinated SILOXANES/SILLCONES/SILANES/SILLCATES poly/perfluorinated SILOXANES/SILLCONES/SILANES/SILCATES poly/perfluorinated SILOXANES/SILCONES/SILANES/SILCATES | 8 4 6 8 4 6 6 6 6 6 | 3 8 8 12 8 8 18 18 4 6 6 6 6 6 |
| 1190931-27-1 682-238-0 1190931-41-9 682-239-6 1190931-39-5 682-240-1 1644-10-6 182700-90-9 510732-30-6 507225-08-3 512179-62-3 509086-57-1 104075-34-5 70815-20-2 83048-65-1 38436-16-7 253-930-6 277-551-0 15299-24-6 8303-83-9 85857-17-6 94237-08-8 1034681-41-8 375-63-3 78560-45-9 278-947-6 | Reaction mass of ammonium difluoro [[(48,58);2,2,4.5-terrafluoro-5-(trifluoromethoxy)-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy] acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy) acetate, potassium difluoromethoxy-1,3-dioxolan-4yljoxy) acetate, potassium difluoromethoxy-1,3-di | poly/perfluorinated POLYMERS poly/perfluorinated SULPONAMIDES Fluorinated urethanes polymers Fluorinated urethanes polymers poly/perfluorinated SULPONAMIDES poly/perfluorinated SULPONAMIDES poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated POLYMERS poly/perfluorinated FOLYMERS poly/perfluorinated SILOXANESSILICONESSILANESSILICATES 8 4 6 8 4 6 | 3 8 8 8 8 8 8 18 18 4 6 6 6 6 6 6 |

| | | - | | | |
|--|--|--|--|--|---|
| 51851-37-7 | 257-473-3 | Silane, triethoxy(3.3,4,4.5,6,6,7,7,8,8-tridecafluorooctyl)- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 101947-16-4 | | Silane, triethoxy(3.3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl-(Decyltriethoxysilane, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-) | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 8 | 8 |
| 85877-79-8 | | Silane, trimethoxy(3,3,4,4,5,5,6,6-nonafluorohexyl)- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 4 | 4 |
| 85857-16-5 | 288-657-1 | Silane, trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 312-81-2 | | Silane, trimethyl(2,2,3,3-tetrafluorocyclobutyl)- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 4 | 4 |
| 125476-71-3 | | Silicic acid (H4SiO4), disodium salt, reaction products with chlorotrimethylsilane and 3,3,4,5,5,6,6,7,7,8,9,9,10,10,10-heptadecafluoro-1-decanol | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 8 | 8 |
| | | Silicones and siloxanes, 3-(perfluorocxtyl)propyl methyl, 3-(triethoxysilyl)propyl methyl, trimethylsilyl terminated | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| 143372-54-7 | | Siloxanes and Silicones, (3.3.4.4.5.5,6.6.7.7.8.8, 9.9.10.10,10-heptadecafluorodecyl)oxy Me, hydroxy Me, Me octyl, ethers with polyethylene glycol mono-Me ether | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| | | Siloxanes and silicones, 1,3-aminopropyl Me, di-Me, Me 3-mercaptopropyl polymers with 2,3-dihydroxypropyl 2-methyl-2-propenoate, oxiranylmethyl 2-methyl-2-propenoate, oxiranylmethyl 2-propenoate, oxiranylmethyl 2-propenoate, 3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl 2-methyl-2-propenoate and | | | |
| | | chloroethylene | poly/perfluorinated POLYMERS | 6 | 6 |
| | | Siloxanes and Silicones, 11-(2-(nonafluorononyl)ethoxy)-11-oxoundecyl methyl, 3-hydropoly(oxyethylene)oxypropyl methyl, dimethyl (10 mol EO average molar ratio | Polyfluoro siloxanes and silicones polymers | 9 | 9 |
| | | Siloxanes and Silicones, 11-(2-(nonafluorononyl)ethoxy)-11-oxoundecyl methyl, 3-hydropoly(oxyethylene)oxypropyl methyl, (8 mol EO average molar ratio | Polyfluoro siloxanes and silicones polymers | 9 | 9 |
| | | Siloxanes and Silicones, 11-(2-(nonafluorononyl)ethoxy)-11-oxoundecyl methyl, docosyl methyl, dimethyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 9 | 9 |
| | | Siloxanes and Silicones, 11-(2-(nonafluorononyl)ethoxy)-11-oxoundecyl methyl, hexacosyl methyl, dimethyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 9 | 9 |
| | | Siloxanes and Silicones, 2-(nonafluorononyl)ethyl methyl, 3-hydropoly(oxyethylene)oxypropyl methyl, dimethyl (8 mol EO average molar ratio) | Polyfluoro siloxanes and silicones polymers | 9 | 9 |
| | | | | | |
| | | Siloxanes and Silicones, 2-(nonafluoronony)[ethyl methyl, 3-hydropoly(xnyethylene)oxypropyl methyl, phenylisopropyl (8 mol EO average nolar ratio) ("PERFLUORONONYLETHYL PEG-8 PHENYLISOPROPYL DIMETHCONE" (INCI)) | Polyfluoro siloxanes and silicones polymers | 9 | 9 |
| | | Siloxanes and Silcones, 2-(nonafluorononyt)ethyl methyl, dimethyl hydrogen methyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 9 | 9 |
| | | Siloxanes and Silicones, 2-(nonafluorononyl)ethyl methyl, diphenyl, dimethyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 9 | 9 |
| 273737-91-0 | | Siloxanes and Silicones, 3-[[2-{(2-unimoethyl)amino ptropyl hydroxy, hydroxy 3,3,4,4,5,5,6,6,7,7,8,8,4-tridecafluorooctyl, hydroxy-terminated, formates (salts) | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 297175-70-3 | | Siloxanes and Silicones, 3-aminopropyl ethoxy, ethoxy(3,3,4,4,5,5,6,6,7,8,8-tridecafluorooctyl), polymers with 3-aminopropyl(3,3,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)sisesquioxanes, hydrolyzed, formates (salts) | Polyfluoro siloxanes and silicones polymers | 6 | 6 |
| | | Silioans: and silicones, 3-aminopropyl Me, di-Me, Me 3-mercaptopropyl polymers with 3-chloro-2-hydroxypropyl 2-methyl-2-propenante, N-thydroxymethyl-2-propenante, 2-(perfluorocctyl)ethyl 2-propenante, 2-(perfluorocctyl)ethyl 2-propenante and chlorocetheraptopyl polymers with 3-chloro-2-hydroxypropyl 2-methyl-2-propenante and chlorocetheraptopyl 2-methyl-2-methyl-2-propenante and chlorocetheraptopyl 2-methyl-2-propenante and chlorocetheraptopy | L (A . : . I POLYA ETPO | | _ |
| | 1 | | poly/perfluorinated POLYMERS | . 8 | 8 |
| | | Siloxanes and Silicones, di-Me, 3-(2-perfluoro-C+-14-alkylethoxy)propyl- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 4 | 14 |
| 275820-27-4 | | Siloxanes and Silicones, di-Me, 3-uninopropyl group-terminated, polymers with 4.4-[(1-methylethylidene)bis[4,1-phenyleneoxy)[bis]benzenamine] and 5.5-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[1,3-isobenzofurandione] | Polyfluoro siloxanes and silicones polymers | 2 | 2 |
| 127133-54-4 | | Siloxanes and Silicones, dr-Me, 3-hydroxypropyl group terminated, polymers with 2-butyne-1,4-diol-gammaomega-perfluoro C10-20 thiol reaction product and 1,6-diisocyanato-2,2,4/or 2,4,4)-trimethylhexane | Polyfluoro siloxanes and silicones polymers | 10 | 20 |
| | | | - any management of the control of t | | |
| 174393-72-7 | | Siloxanes and Silicones, di-Me, 3-hydroxypropylmethyl, methylvinyl, [(ethenyldimethylsilyl)xxy]-terminated, ethers with trifluoro(trifluoromethyl)xirane homopolymer 1,2,2,2-tetrafluoro-1-(hydroxymethyl) ethyl tetrafluoro (trifluoromethyl) ethyl ether | Polyfluoro siloxanes and silicones polymers | 2 | 2 |
| | | Siloxanes and Silicones, di-Me, alkyl (C20-29), perfluordecylethoxy- ("C20-28 ALKYL PERFLUORODECYLETHOXY DIMETHICONE (INCI)") | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 10 | 10 |
| 146632-08-8 | | Siloxanes and Silicones, di-Me, butyl- and 3-{(2-methyl-1-oxo-2-propenyl)oxy]propyl group-terminated, polymers with 2-{[[(heptadecafluororocty])sulfonyl]methylamino]ethylacrylate and iso-Bu methacrylate | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| 182700-77-2 | | Siloxanes and Silicones, di-Me, hydroxy-terminated, polymers with tetradecanedioic acid, 3,3,4,4,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-tricosafluoro-1-tridecanol-terminated | Polyfluoro siloxanes and silicones polymers | 11 | 11 |
| 104780-70-3 | | Siloxanes and Silicones, di-Me, Me 3-(1,1,2,2-tetrafluoroethoxy)propyl, Me 3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 2 | 6 |
| 180513-27-3 | | Siloxanes and Silicones, di-Me, Me 3,3,3-trifluoropropyl, polymers with Me silsesquioxanes, [(ethenyldimethylsily);oxy]-terminated | Polyfluoro siloxanes and silicones polymers | 1 | 1 |
| 115340-95-9 | | Siloxanes and Silicones, di-Me, Me 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 162567-79-5 | | Siloxanes and Silicones, di-Me, Me H, reaction product with alcohols, C8-14, perfluoro- and Poly(oxy-1,2-ethanediyl), alpha-methyl-omega-hydroxy- | Polyfluoro siloxanes and silicones polymers | 8 | 14 |
| | | Siloxanes and silicones, di-Me, Me perfluorononylethyl, Me stearyl | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 9 | 9 |
| | | | | | <u> </u> |
| 321371-84-0 | | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl] group-terminated, polymers with 2-[[[[5-[[[5-4][[[5-4][[3.3.4.4.5.5,6,6.7.7.8.8.9.9,10.10,10-heptadecafluorodecyl)oxy]carbonyl]amino[-2-methylphenyl]amino[carbonyl]oxy]methyl | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| 306974-28-7 | 1 | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl] group-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and stearyl methacrylate | Polyfluoro siloxanes and silicones polymers | | |
| | | | Polyfluoro siloxanes and silicones polymers | 4 | 8 |
| 501098-09-5 | | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl] group-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacrylate-blocked 2,4-TDl-trimethylolpropane polymer, 2-hydroxyethyl | | 4 | 8 |
| | | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-cov-2-propenyl)oxy]propyl] group-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacrylate-blocked 2,4-TDI-trimethylolpropane polymer, 2-hydroxyethyl methacrylate, iso-Bu methacrylate, Me methacrylate and polyethylene-polypropylene glycolmonoacrylate, tert-Bu 2-ethylhexane-peroxoate-initiated | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| | | Siloanes and Silicones, di-Me, mond 3-(C-methyl-1-nov-2-properly)kny]propyll group-serminated, polymers with 3,3,44,5,5,6,7,7,8,8,9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacrylate-blocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacrylate, iso-Bu methacrylate, iso-Bu methacrylate, in-Bu methacrylat | | 8 9 | 8 8 9 |
| | | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-cov-2-propenyl)oxy]propyl] group-terminated, polymers with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacrylate-blocked 2,4-TDI-trimethylolpropane polymer, 2-hydroxyethyl methacrylate, iso-Bu methacrylate, Me methacrylate and polyethylene-polypropylene glycolmonoacrylate, tert-Bu 2-ethylhexane-peroxoate-initiated | Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| | | Siloxanes and Silicones, di-Me, mono[3-1(2-methyl-1-oxo-2-propenyl)oxy]propyll group-terminated, polymer with 3.3.4.4.5.5.6.6.7.7.8.8.9.9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacrylate-blocked 2.4-TD1-trimethylotpropane polymer, 2-hydroxyethyl methacrylate, iso-Bu methacrylate, Me methacrylate and polyethylone-polypropylem gylcombonoscrylate, tert-Bu 2-ethylhexaneperoxoate-initiated siloxones and Silicones, di-Me, perfluoronomyl-("Perfluoronomyl Dimethicone (INCI)") Siloxanes and Silicones, di-Me, perfluoronomyl-("Perfluoronomyl Dimethicone (INCI)") Siloxanes and Silicones, di-Me, perfluoronomyl-("Perfluoronomyl Dimethicone Methicone Amodimethicone Crosspolymer is a crosslinked silicone polymer that is formed by reacting a copolymer of Perfluoronomyl Dimethicone and Methicone and | Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers | 8 | 8 |
| 69430-44-0 | | Silicones, da-Me, mond 3-(3-methy)1nov-2-properly may)propyll grup-serminated, polymers with 3,3,44,55,66,7,7,8,9,9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacylate-blocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacyl | Polyfluoro siloxanes and silicones polymers | 8 9 9 | 8 9 9 |
| 69430-44-0 69430-43-9 | | Silicones and Silicones, di-Me, mond [3-(2-methy)1-are-2-properylaxy)[propyl] graps-reminated, polymers with 3,3,4.4.5,5.6.6.7,7.8,8.9,9,10,10,10-keptudecafluoro-1-decanol and 2-hydroxyethylacylate-blocked 2,4-TD1-trimethyloipropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacyla | Polyfluoro siloxanes and silicones polymers | 8 9 9 1 | 8 9 9 |
| 69430-44-0 69430-43-9 170424-64-3 | | Siloxanes and Silicones, di-Me, monof 3-1(2-methyl-1-oxo-2-propenyl-poxy)[propyl] group-terminated, polymer with 3.3.4.4.5.5.6.6.7.7.8.8.9.9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacylate-blocked 2,4-TD1-trimethyloipropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacylate. Me methacylate and polyethylene polypropylene glycolinonoacylate, tert-Bu 2-ethylhexaneperoxotale-initiated silicones, di-Me, portluoromonyl Dimethoromonyl Dimethicone (MCD)" Siloxanes and Silicones, di-Me, perfluoromonyl - prefluoromonyl Dimethicone Amodimethicone Crosspolymer is a crosslinked silicone polymer that is formed by reacting a copolymer of Perfluoromonyl Dimethicone and Methicone and Amodimethicone' (INCI)" Siloxanes and Silicones, di-Me, polymers with 3.3-strifluoropropyl silsequioxanes Siloxanes and Silicones, di-Me, polymers with 3.3-strifluoropropyl silsequioxanes Siloxanes and Silicones, di-Me, polymers with beamenthylcyclotrisiloxane and 2.4,6-trimethyl-2,4,6-tris(3.3-strifluoropropyl)cyclotrisiloxane Siloxanes and Silicones, hydroxy Me, Me ocyl, Me (gammaomegaperfluoro CS-14-alkyl)oxy, ethers with polyethylene glycol mono-Me ether | Polyfluoro siloxanes and silicones polymers | 8 9 9 | 8 9 9 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 | | Silozanes and Silicones, dr-Me, month 3-(3-methyl-1-ano-2-properly loxy)propyll group-serminates, polymers with 3.3,44.55.6.6.7.7.8.8.9.9,10.10,10-heptadecafluoro-1-decanol and 2-hydroxyethylacrylate-hlocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacylate, iso-Bu methacylate, inches methacy | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES.SILICATES | 8 9 9 1 | 8 9 9 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 | | Silvanes and Silicones, dMe, month 3-(3-methy)+1-one-2-properly largy)-properly group serminated, polymers with 3.3,44.55.66.67.78.8.9.9, 10, 10, 10-heptadecafluoro-1-decanol and 2-hydroxyethylare-blocked 2.4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacyl | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES SILICATES poly/perfluorinated SILOXANES SILICONES SILANES SILICATES | 8 9 9 1 1 1 8 6 4 | 8 9 9 1 1 1 14 6 4 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 | | Silicones and Silicones, dr-Me, month [3-(2)-methyl-1-one-2-properly kny/propyll grup-serminated, polymers with 3.3,44.5.5,6.6.7.7.8.8.9.9,10,10,10-keptudecafluoro-1-decanol and 2-hydroxyethylare-blocked 2,4-TD1-trimethyloipropane polymer, 2-hydroxyethyl methacrylate, is-o-Bu methacryl | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers | 8 9 1 1 8 6 4 | 8 9 9 1 1 1 1 1 1 4 6 4 4 1 1 3 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 | | Silvanes and Silicones, dr-Me, mond 3-(3-methy)-1-aso-2-properly loxy)propyll group-serminate, polymers with 3.3.44.55.6.6.77.8.8.9.91.0.10,10-heptadecafluoro-1-decanol and 2-hydroxyehylate-blocked 2,4-TD1-rimethylolpropune polymer, 2-hydroxyethyl membarylata, polymers with 5.3.44.55.6.6.77.8.8.9.91.0.10,10-heptadecafluoro-1-decanol and 2-hydroxyehylate-blocked 2,4-TD1-rimethylolpropune polymer, 2-hydroxyethyl membarylate polymers but and polymer polymer polymers polymer polymers, 2-hydroxyethyl membarylate-blocked 2,4-TD1-rimethylolpropune polymer, 2-hydroxyethyl membarylate polymers with 2-hydroxyethyl membarylate polymers with 2-hydroxyethyl membarylate polymers with 2-hydroxyethyl proportion of polymers with polymers with polymers with 3.3.4 riffuoroporpyl bisequioxanes Silvanes and Silicones, dr-Me, polymers with becamethyl-syclotrialoxane and 2.4.6-trimethyl-2.4.6-tris(3.3.4-trifluoroporpyl)cyclotrisiloxane Silvanes and Silicones, dr-Me, polymers with hexamethyl-syclotrialoxane and 2.4.6-trimethyl-2.4.6-tris(3.3.4-trifluoroporpyl)cyclotrisiloxane Silvanes and Silicones, hydroxy Me, Me cetyl, Me (agamma-omega, -perfluor CS-14-alkyloxy, ethers with polyethylene glycol monomethyl ether Silvanes and Silicones, hydroxyen, me 3.4.4.5.5.6.6.6-tonallatorobexyl Silvanes and Silicones, hydroxyen, me 3.4.4.5.5.6.6.6-tonallatorobexyl Silvanes and Silicones, Me hydrogen, me 3.3.4.4.5.5.6.6.7.7.8.8.4-tridecafluoroo-cytl Silvanes and Silicones, Me hydrogen, me 3.4.4.5.5.6.6.6-tonallatorobexyl Silvanes and Silicones, Me hydrogen, me 3.4.4.5.5.6.6.7.7.8.8.4-tridecafluoroo-lectanel and alpha-methyl-omega-hydroxypoly(oxy-1.2-chanedyl) Silvanes and Silicones, Me hydrogen, reaction products with p-crime and 3.3.4.4.5.5.6.6.7.7.8.8.4-tridecafluoroo-lectanel and alpha-methyl-omega-hydroxypoly(oxy-1.2-chanedyl) | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES-SILICONES-SILANES-SILICATES polyperfluorinated SILOXANES-SILICONES-SILANES-SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers | 8 9 1 1 8 6 4 13 8 | 8 9 9 1 1 1 1 1 4 6 6 4 1 1 3 1 4 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 | | Silvanes and Silicones, dMe, mond 3-(3-methyl-1-one-2-properly kny)propyll group-serminated, polymers with 3.3,44.5.5.6.6.7.7.8.8.9.9,10.10,10-keptadecafluoro-1-decanol and 2-hydroxyethylare-blocked 2,4-TD1-trimethylolpropane polymer; 2-hydroxyethyl methacylate, iso-Bu methacylate, i | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated SILOXANESSILICONESSILANESSILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANESSILICONESSILANESSILICATES polypuoro siloxanes and silicones polymers polyperfluorinated SILOXANESSILICONESSILANESSILICATES | 8 9 9 1 1 1 8 6 6 4 1 1 3 8 6 6 | 8 9 9 1 1 1 1 4 6 6 4 4 13 14 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 | | Silvanes and Silicones, dMe, mond 3-(3-methy)+1-one-2-properly kny/propyll group-serminated, polymers with 3.3,44.5.5.6.6.7.7.8.8.9.9,10,10,10-keptudecafluoro-1-decanol and 2-hydroxyethylare-blocked 2.4-TD1-trimethyloipropane polymer, 2-hydroxyethyl methacylate, io-o-Bu methacyla | Polyfluoro siloxanes and silicones polymers Polyperfluorinated SILOXANES SILICONES SILANES SILICATES Poly perfluorinated SILOXANES SILICONES SILANES SILICATES | 8 9 1 1 8 6 4 13 8 | 8 9 9 1 1 1 1 1 4 6 6 4 1 1 3 1 4 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 | | Silicones and Silicones, dMe, month [3-(2)-methyl-1-one-2-properly kny/propyll grups-serminated, polymers with 3.3,44.5.5,6.6.7.7.8.8.9.9,10,10,10-keptudecafluoro-1-decanol and 2-hydroxyethylarylate-blocked 2,4-TD1-trimethyloipropane polymer, 2-hydroxyethyl methacylate, is-oB unethacylate, is-oB unethacylate, is-oB unethacylate, is-oB unethacylate, iso-Bu methacylate, iso-Bu methacylate, iso-Bu methacylate, iso-Bu methacylate, iso-Bu methacylate, and polyethylene polyyropylene glycolmonoacylate, tert-Bu 2-ethylhexaneperoxoate-initiated in the state of the polymer of the polymer of Perfluoronomyl Dimethicone (MCI)" Siloxanes and Silicones, di-Me, perfluoronomyl-C perfluoromyl Dimethicone Methicone Amodimethicone (INCI)" Siloxanes and Silicones, di-Me, polymers with 3.3,3-trifluoropropyl siloquioxanes Siloxanes and Silicones, di-Me, polymers with hexamethyl-cyclotrisiloxane and 2,4,6-trimethyl-2,4,6-tris(3,3)-trifluoropropyl)cyclotrisiloxane Siloxanes and Silicones, di-Me, polymers with hexamethyl-cyclotrisiloxane and 2,4,6-trimethyl-2,4,6-tris(3,3)-trifluoropropyl-cyclotrisiloxane Siloxanes and Silicones, hughroxy Me, Me octyl, Me (garman-sonega-perfluoro CS-14-alkyl)xoy, ethers with polyethylene glycol mono-Me ether Siloxanes and Silicones, lauryl Me, Me 2-2-methylpropoxylethyl, Me octyl, Me 3,3,4,4,5,6,6,7,7,8,8-tridecafluoroctyl Siloxanes and Silicones, Me bydrogen, Me 3,3,4,4,5,6,6,6,7,8,8,8-tridecafluoro-1-octanol and alpha-methyl-omega-hydroxypoly(oxy-1,2-ethanedyl) Siloxanes and Silicones, Me bydrogen, reaction products with p-ctene and 3,3,4,4,5,6,6,7,7,8,8-tridecafluoro-1-octanol and alpha-methyl-omega-hydroxypoly(oxy-1,2-ethanedyl) Siloxanes and Silicones, Me bydrogen, reaction products with p-returnor CS-14 alcohols, 1-octane and polyethylene glycol monomethyl ether Siloxanes and Silicones, Me bydrogen, reaction products with p-returnor CS-14 alcohols, 1-octane and polyethylene glycol monomethyl ether Siloxanes and Silicones, Me bydrogen, Me 3,3,4,4,5,6,6,7,8,8,8-tridecafluoro-1-octanol a | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyperfluorinated POLYMERS | 8 9 9 1 1 1 8 6 6 4 1 1 3 8 6 6 | 8 9 9 1 1 1 1 4 6 6 4 4 13 14 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 | 700-540-3 | Silicones, and Silicones, dMe, month 3-(3:-methyl-1-ano-2-properply poxy)propyll group-serminates, polymers with 3.3,44.55.66,67.78.8.9.9,10.10,10-heptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacylate, ince the methacylate and polyethylene-polypropylene glycolmonoacrylate, iter-Bu 2-ethylhexaneperoxoati-initiated Silicones, dMe, perfluoronomyl- (Perfluoronomyl-Dimethicone (MCI)) Siliconase and Silicones, dMe, perfluoronomyl-Cyperfluoronomyl-Dimethicone Amodimethicone (MCI)) Siliconase and Silicones, dMe, polymers with 3.3,3-triliuoropropyl sibequioxanes Siliconase, and Silicones, dMe, polymers with 3.3,3-triliuoropropyl sibequioxanes Siliconase, and Silicones, dMe, polymers with beamethyl-pyclorisiloxane and 2,4-6-trimethyl-2,4-6-trin(3,3,3-triliuoropropyl)-cyclorisiloxane Siliconase, and Silicones, hydroxy, Me cotyl, Me (anginam-conea_p-erfluoroco-Sil-4-lakyloxy, ethers with polyethylene glycol mono-Me ether Siliconase and Silicones, hydroxy, Me Me cotyl. Me (anginam-conea_p-erfluoroco-Sil-4-lakyloxy, ethers with polyethylene glycol mono-Me ether Siliconase and Silicones, Me hydrogen, Me 33,44.55.66,6-nonafluorobexyl Siliconase and Silicones, Me hydrogen, ruction products with perfluoro CSI-4-alkyloxyloxyloxyloxyloxyloxyloxyloxyloxylox | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated POLYMERS polyperfluorinated ETHERS | 8 9 9 1 1 1 8 6 6 4 1 1 3 8 6 6 | 8 9 9 1 1 1 1 4 6 6 4 4 13 14 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 | | Silvanes and Silicones, dMe, mond 3-(3-methyl-1-ano-2-properly kny)propyll group-serminated, polymers with 3.3,44.55.66.7.7.8.8.9.9,10.10,10-keptadecafluoro-1-decanol and 2-hydroxyethylare-blocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacylate, iso-Bu methacylate, iso | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated THERS polyperfluorinated ETHERS | 8 9 9 1 1 1 1 8 6 4 4 13 8 6 4 4 8 3 6 6 | 8 9 9 1 1 14 6 4 4 4 4 4 6 4 4 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 | 700-540-3 | Silvanes and Silicones, dMe, mond 3-(3-methy)+1-one-2-properylaxy)propyll group-serminated, polymers with 3.3,44.55.66.7.7.88.9.9,10,10,10-heptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacytate, iso-Bu methacrylate, | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated POLYMERS polyperfluorinated ETHERS | 8 9 9 1 1 1 1 8 6 6 4 4 1 1 3 8 6 6 4 4 8 8 3 3 | 9 9 1 1 1 1 1 4 6 4 1 1 3 1 4 6 6 8 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 | | Silozanes and Silicones, dr-Me, month 3-(3:methyl-1-nov-2-properly loxy)propyll group-serminates, polymers with 3.3,44.55.66.77.88.99,10.10,10-heptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropune polymer, 2-hydroxyethyl methacylate, iso-Bu methacylate, methacylate, methacylate, methacylate, polymerspolynes, glycolmonoacrylate, ter-Bu 2-ethylhexaneperoxoati-initiated Silozanes and Silicones, dr-Me, perfluoronomyl-("Perfluoronomyl Dimethicone (MCID") Silozanes and Silicones, dr-Me, polymers with 3.3,3-trifluoropropyl Dimethicone Amodimethicone (MCID") Silozanes and Silicones, dr-Me, polymers with beamethyl-gelorisidoxane and 2.4,6-trimethyl-2,4,6-trit(3.3,3-trifluoropropyl)cylorisidoxane Silozanes and Silicones, hydroxy Me, Me octyl, Me (agamma-omega, perfluoro CS-14-alkyloxy, ethers with polyethylene glycol mono-Me ether Siloxanes and Silicones, hydroxy Me, Me octyl, Me (agamma-omega, perfluoroproc S-14-alkyloxy, ethers with polyethylene glycol mono-Me ether Siloxanes and Silicones, hydrogen, Me 3.3,4-5.5,6.6,6-tonafluorobacyl Siloxanes and Silicones, Me bydrogen, me 3.3,4-5.5,6.6,7.7.8.8-tridecafluorooctyl Siloxanes and Silicones, Me bydrogen, me oraction products with 1-cettene and 3.3,4,5.5,6.6,7.7.8.8-tridecafluorooctyl Siloxanes and Silicones, Me bydrogen, me and the standard of the stan | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated THERS polyperfluorinated ETHERS | 8 9 9 1 1 1 1 8 6 4 4 13 8 6 4 4 8 3 6 6 | 8 9 9 1 1 1 1 1 4 6 6 4 4 8 8 6 6 6 2 2 8 8 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 | | Silozanes and Silicones, dMe, monod 3-(3-methyl-1-ano-2-propersyloxy)propyll group-serminates, polymers with 3.3,44.55.66.67.78.8.9.9,10.10,109-keptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropane polymer; 2-hydroxyethyl methacytate, iso-Bu methacytate, | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES.SILICONES.SILANES.SILICATES polyperfluorinated SILOXANES.SILICONES.SILANES.SILICATES polyperfluorinated POLYMERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS | 8 9 9 1 1 1 1 8 6 4 4 13 8 6 4 4 8 3 6 6 | 8 9 9 1 1 1 1 1 4 6 6 4 1 1 3 6 6 6 6 6 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 | | Silozanes and Silicones, dr-Me, month 3-(3:methyl-1-nov-2-properly loxy)propyll group-serminates, polymers with 3.3,44.55.66.77.88.99,10.10,10-heptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropune polymer, 2-hydroxyethyl methacylate, iso-Bu methacylate, methacylate, methacylate, methacylate, polymerspolynes, glycolmonoacrylate, ter-Bu 2-ethylhexaneperoxoati-initiated Silozanes and Silicones, dr-Me, perfluoronomyl-("Perfluoronomyl Dimethicone (MCID") Silozanes and Silicones, dr-Me, polymers with 3.3,3-trifluoropropyl Dimethicone Amodimethicone (MCID") Silozanes and Silicones, dr-Me, polymers with beamethyl-gelorisidoxane and 2.4,6-trimethyl-2,4,6-trit(3.3,3-trifluoropropyl)cylorisidoxane Silozanes and Silicones, hydroxy Me, Me octyl, Me (agamma-omega, perfluoro CS-14-alkyloxy, ethers with polyethylene glycol mono-Me ether Siloxanes and Silicones, hydroxy Me, Me octyl, Me (agamma-omega, perfluoroproc S-14-alkyloxy, ethers with polyethylene glycol mono-Me ether Siloxanes and Silicones, hydrogen, Me 3.3,4-5.5,6.6,6-tonafluorobacyl Siloxanes and Silicones, Me bydrogen, me 3.3,4-5.5,6.6,7.7.8.8-tridecafluorooctyl Siloxanes and Silicones, Me bydrogen, me oraction products with 1-cettene and 3.3,4,5.5,6.6,7.7.8.8-tridecafluorooctyl Siloxanes and Silicones, Me bydrogen, me and the standard of the stan | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyperfluorinated SILOXANES SILICONES SILANES SILICATES polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated PTHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated PHOSPHOORGANICS | 8 9 9 1 1 1 1 8 6 4 4 13 8 6 4 4 8 3 6 6 | 8 9 9 1 1 1 1 1 4 6 6 4 4 8 8 6 6 6 2 2 8 8 |
| 69430-44-0 69430-43-9 170424-33 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 | | Silozanes and Silicones, dMe, monod 3-(3-methyl-1-ano-2-propersyloxy)propyll group-serminates, polymers with 3.3,44.55.66.67.78.8.9.9,10.10,109-keptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropane polymer; 2-hydroxyethyl methacytate, iso-Bu methacytate, | Polyfluoro siloxanes and silicones polymers Polyperfluorinated SILOXANES SILICONES SILANES SILICATES Polyperfluorinated ETHERS Polyperfluorinated ETHERS Polyperfluorinated PHOSPHOORGANICS Polyperfluorinated PHOSPHOORGANICS Polyperfluorinated PHOSPHOORGANICS Polyperfluorinated ETHERS | 8 9 9 9 1 1 1 1 8 6 6 4 4 13 3 6 6 4 2 2 8 9 9 | 8 9 9 1 1 1 1 1 4 6 6 4 4 1 1 3 1 4 4 6 6 6 6 6 6 2 2 8 8 1 10 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 4021-47-0 | | Silvanes and Silicones, Mem. month 3-(3:methy)+1-ano-2-properly kny/propyl) graps-seminated, polymers with 3.3,44.55.66.7.7.8.8.9.9.10.10.10-keptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropane polymer, 2-hydroxyethyl methacytale, iso-Bu methacytale, iso-B | Polyfluoro siloxanes and silicones polymers Polyfluororiated SILOXANESSILICONESSILANESSILICATES polyperfluorinated SILOXANESSILICONESSILANESSILICATES polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated PHOSPHOORGANICS polyperfluorinated ETHERS | 8 9 9 1 1 1 1 8 6 6 4 4 13 8 6 6 4 4 8 8 3 6 6 2 2 8 8 9 9 8 | 8 9 9 1 1 1 1 1 1 1 4 6 6 4 4 8 8 6 6 6 6 2 2 8 8 10 8 8 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 4021-47-0 80621-17-6 | | Silozanes and Silicones, dr-Me, month 3-(3:-methyl-1-ano-2-propenyloxy)propyll gropy-seminated, polymers with 3.3.4.4.5.8.6.6.7.7.8.8.9.9.10.10,10-heptadecafluoro-1-decanol and 2-hydroxyehylater-blocked 2,4-TD1-rimethylolpropune polymer, 2-hydroxyethyl methacylate, between the methacylate and polyhethylene-polypropylene glycolmonoacrylate, tert-Bu 2-ethylhexaneperoxoati-initiated Silozanes and Silicones, dr-Me, perfluoronomyl- (Perfluoronomyl-Dimethicone Medicione Amodimethicone Crosspolymer is a crosslinked silicone polymer that is formed by reacting a copolymer of Perfluoronomyl Dimethicone and Methicone and Amodimethicone (NCU)) Silozanes and Silicones, dr-Me, polymers with 3.3.3-srifiluoropopy silsequioxanes Silozanes and Silicones, dr-Me, polymers with hexamethyl-speciotrialoxane and 2.4.6-trimethyl-2.4.6-trii(3.3.3-trifluoropopy)lcyclorisiloxane Silozanes and Silicones, hydroxy Me, Me cetyl, Me (gammaomegaperfluor CS-14-alkyloxy, ethers with polyethylene glycol mono-Me ether Silozanes and Silicones, hydroxy Me, Me cetyl, Me (gammaomegaperfluor CS-14-alkyloxy, ethers with polyethylene glycol mono-Me ether Silozanes and Silicones, hydroxy Me, Me cetyl, Me (anomaly) Me | Polyfluoro siloxanes and silicones polymers poly perfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated SILOXANES/SILICONES/SILANES/SILICATES polyperfluorinated POLYMERS polyperfluorinated POLYMERS polyperfluorinated ETHERS polyperfluorinated SULPONAMIDES | 8 9 9 1 1 1 8 6 4 4 13 8 6 4 4 8 3 3 6 2 8 9 9 9 9 8 9 9 9 8 9 9 9 9 9 9 9 9 9 | 8 9 9 9 1 1 1 1 1 1 4 6 6 4 1 3 1 1 4 8 8 6 6 6 6 2 2 8 8 1 10 8 8 6 6 6 |
| 69430-44-0 69430-43-9 170424-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 4021-47-0 80621-17-6 16994-59-2 175354-31-1 | | Silozanes and Silicones, di-Me, month [3-(3)-and-ph]-1-nov-2-property largy-plury plury plury perminated, polymer with 3.3,44.55.66.77.88.99.10.10.10 heptadecafluoro-1-decanol and 2-hydroxyethylate-blocked 2,4-TD1-trimethylolpropane polymer; 2-hydroxyethyl methacytale, io-Bu methacytale, io-Bu methacytale, io-Bu methacytale, io-Bu methacytale, and polythylene-polytropylene glycolmonoacrytate, ier-Bu 2-ethylhexaneproxoati-initiated Silozanes and Silicones, di-Me, perfluoronomyl- (Perfluoronomyl Dimethicone Meditione Amodimethicone (MCI))* Silozanes and Silicones, di-Me, polymers with 3.3.3-trifluoropropyl silocquioxanes Silozanes and Silicones, di-Me, polymers with beamethyl-pyclotrisiloxane and 2.4,6-trimethyl-2,4.6-tris(3,3.3-trifluoropropyl)-yeolotrisiloxane Silozanes and Silicones, hydroxy Me, Me ocyt, Me (agamma - omega - perfluoro C8-14-alkyltoxy, ethers with polythylene glycol mono-Me ether Silozanes and Silicones, hydroxy Me, Me ocyt, Me (agamma - omega - perfluoro C8-14-alkyltoxy, ethers with polythylene glycol mono-Me ether Silozanes and Silicones, Me bydrogen, mexicon products with 1-corene and 3.3.4,4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me bydrogen, nexticon products with 1-corene and 3.3.4,4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me bydrogen, nexticon products with 1-corene and 3.3.4,4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4,4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4,4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4.4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4.4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4.4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4.4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silicones, Me ocyt, Me steary, Me 3.3.4.4.5.5.6.6,7.7.8.8-tridecafluoro-cyt Silozanes and Silico | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES. SILICATES polyperfluorinated SILOXANES SILICONES SILANES. SILICATES Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES. SILICONES. SILANES. SILICATES polyperfluorinated SILOXANES. SILICONES. SILANES. SILICATES polyperfluorinated SILOXANES. SILICONES. SILANES. SILICATES polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated PHOSPHOORGANICS polyperfluorinated PHOSPHOORGANICS polyperfluorinated PHOSPHOORGANICS polyperfluorinated SILICONANIES. SILICATES polyperfluorinated SILICONANIES. SILICANIES. SILICATES polyperfluorinated SILICONANIES. SILICANIES. SILICATES polyperfluorinated SILICONANIES. SILICANIES. SILICATES polyperfluorinated SILICONANIES. SILICANIES. SILICANIES | 8 9 9 1 1 1 8 6 4 4 13 8 6 4 4 8 3 3 6 2 8 9 9 9 9 8 9 9 9 8 9 9 9 9 9 9 9 9 9 | 8 9 9 9 1 1 1 1 1 1 4 6 6 4 1 3 1 1 4 8 8 6 6 6 6 2 2 8 8 1 10 8 8 6 6 6 |
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| 69430-44-0 69430-43-9 17042-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 4021-47-0 160994-59-2 175334-31-1 324063-66-3 175334-30-0 | | Silvanes and Silicones, di-Me, moned, 3-[4] carethyl-1-coro. 2-propertyl locytopyleneyl prosp-perminated, polymens with 3.3.4.4.5.5.6.6.7.7.8.8.9.9 [10,10]. Obeptades:afluror-1-decand and 2-hydroxyethyleneyleneyleneyleneyleneyleneyleneylen | Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES. SILICATES Polyfluoro siloxanes and silicones polymers polyperfluorinated SILOXANES SILICONES SILANES. SILICATES polyperfluorinated SILOXANES. SILICONES SILANES. SILICATES polyperfluorinated SILOXANES. SILICONES. SILANES. SILICATES polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated ETHERS polyperfluorinated PHOSPHOORGANICS polyperfluorinated SILICONES. SILICATES SI | 8 9 9 1 1 1 1 1 8 6 6 4 4 13 3 6 6 4 4 8 8 9 9 8 6 6 4 4 6 6 6 6 6 6 6 6 | 8 9 9 1 1 1 1 4 6 6 4 4 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 |
| 69430-44-0 69430-43-4 170424-4-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 40021-47-0 616994-59-2 175354-31-1 324063-63-0 27615-98-1 | | Silvanes and Silicones, d-Me, mond 3-(1/2-methyl-1-oxo-2-propenylosy) propyll group-serminated, polymers with 3.3.4.4.5.5.6.6.7.7.8.8.9.10.10.10-be-pta-decafluoro-1-decanol and 2-hydroxyethylacylus-blocked 2.4-TD4-trimethylolpropane polymer, 2-hydroxyethyl methacylate, loss but methacylate, in the methacylate and poly ethylenes polypropylene glycolimonoxylate, in: Bia 2-ethylhexaneperoxoati-initiated Silvanes and Silicones, d-Me, perfluoronosyl ("Perfluoronosyl) Dimethicone (MCI)") Silvanes and Silicones, d-Me, perfluoronosyl-("Perfluoronosyl) Dimethicone (MCI)") Silvanes and Silicones, d-Me, polymers with 3.3-artifluoropropyl silvapitore (MCI) Silvanes and Silicones, d-Me, polymers with 3.3-artifluoropropyl silvapitore (MCI) Silvanes and Silicones, d-Me, polymers with 3.3-artifluoropropyl silvapitore (MCI) Silvanes and Silicones, d-Me, polymers with 3.3-artifluoropropyl silvapitore (S-1-d-Bixylvay, ethers with polymer)perfluoropropyl silvapitore (MCI) Silvanes and Silicones, bydroxy Me, Me oxyl, Me (2-d-methyl-propoxyletyl), Me oxyl, Me (3.3,44.55.66.77.8.8-tridecafluoro-t-oxtanol and alpha-methyl-omega-hydroxypoly(xxy-1.2-ethanedyl)) Silvanes and Silicones, Me hydrogen, reaction products with perfluoroc (S-1-d-Bixylvay, ethers with polymeryl perfluoropropyl perfluoropropyl-perfluoropropy | Polyfluoro siloxanes and silicones polymers Polyperfluorinated SILOXANES SILICONES SILANES SILICATES Polyperfluorinated ETHERS Polyperfluorinated ETHERS Polyperfluorinated PIOSPHOORGANICS Polyperfluorinated PIOSPHOORGANICS Polyperfluorinated SULFONAMIDES Polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated ORGANICS OTHER polyperfluorinated POLYMERS | 8 9 9 9 1 1 1 1 8 6 4 4 13 3 6 4 4 8 8 9 9 8 8 6 6 4 4 6 6 | 8 9 9 1 1 1 1 4 6 6 4 4 1 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 |
| 69430-44-0 69430-43-9 17042-64-3 1257095-32-1 178233-65-3 3-01-0 1-44-8 262292-17-1 943344-69-2 146245-94-5 134344-15-3 63661-51-8 64910-98-1 4021-47-0 80621-17-6 160994-59-2 175334-31-1 324063-66-3 175354-30-0 | | Silvanes and Silvanes, 4-Mr. mond 3-(1-Cmethyl-1-acc-2-propertylosy jurgely group-eminated, polymers with 3.3.4.4.5.5.6.6.7.7.8.8.8-richecular methocylate. polypropegy glovipmonocylate, jur-10-2-chydroxyethyl methocylate. polypropegy glovipmonocylate, jur-10-2-chydroxyethyl methocylate. polypropegy glovipmonocylate, jur-10-2-chydroxyethyl methocylate. polypropegy glovipmonocylate. polypr | Polyfluoro siloxanes and silicones polymers Polyfluoroinated SILOXANESSILICONESSILANESSILICATES Polyperfluorinated ETHERS Polyperfluorinated ETHERS Polyperfluorinated ETHERS Polyperfluorinated ETHERS Polyperfluorinated SULFONICSULFINIC ACIDS Polyperfluorinated SULFONICSULFINIC ACIDS Polyperfluorinated SULFONICSULFINIC ACIDS OTHER Polyperfluorinated ORGANICS | 8 9 9 1 1 1 1 8 6 6 4 4 13 8 6 6 2 2 8 8 6 6 4 6 6 6 6 6 4 4 6 6 6 6 | 8 9 9 1 1 1 1 1 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 |
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| 148684-79-1 | Sulfonamides, C4-8-alkane, perfluoro, N-{hydroxyethyl}-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol | Fluorinated urethanes polymers | 4 | 8 |
|---------------------------|--|--|-----|----------|
| 306973-47-7 | Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxystearic acid and 2,4-TDI, ammonium salts | poly/perfluorinated SULFONAMIDES | 4 | 8 |
| 91081-99-1 | Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters) | poly/perfluorinated SULFONAMIDES | 4 | 8 |
| 306980-27-8 | Sulfonamides, C4-8-alkane, perfluoro, N.N-[1,6-hexanediylbis(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl- | OTHER poly/perfluorinated ORGANICS | 4 | 8 |
| 192662-29-6 | Sulfonamides, C4-8-alkane, perfluoro, N-{3-(dimethylamino)propyl], reaction products with acrylic acid | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 306973-44-4 | Sulfonamides, C4-8-alkane, perfluoro, N-{3-(dimethylamino)propyl], reaction products with acrylic acid (TSCA) | Fluorinated (meth)acrylate polymers | 4 | 8 |
| 179005-07-3 | Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl] | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 179005-06-2 | Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidoamino)propyl], potassium salts | N-alkyl perfluoroalkyl sulfonamides (FASAs) | 4 | 8 |
| 178535-22-3 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl)-, polymer with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked | Fluorinated urethanes polymers | 4 | 8 |
| 68608-14-0 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene] | Fluorinated urethanes polymers | 4 | 8 |
| 68608-13-9 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-diisocyanatomethylbenzene polymer | Fluorinated urethanes polymers | 4 | 8 |
| 160901-25-7 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate | Fluorinated urethanes polymers | 4 | 8 |
| 306973-51-3 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate (TSCA) | Fluorinated urethanes polymers | 4 | 8 |
| 160901-26-8 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate | Fluorinated urethanes polymers | 4 | 8 |
| 222716-67-8 | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether | poly/perfluorinated COOPOLYMERS | 4 | 8 |
| 129813-71-4 | Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(oxiranylmethyl) | poly/perfluorinated SULFONAMIDES | 4 | 8 |
| 306974-19-6 | Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-oxtadecyl-2-oxo-5-oxazolidinyl)methyl] | poly/perfluorinated SULFONAMIDES | 4 | 8 |
| | 77.7 | F | | |
| 98999-57-6 | Sulfonamides, C7-8-alkane, perfluoro, N-methyl-N-[2-{(1-oxo-2-propenyl)oxy]ethyl], polymers with 2-ethoxyethyl acrylate, glycidyl methacrylate and N,N,N-trimethyl-2-{(2-methyl-1-oxo-2-propenyl)oxy]ethanaminium chloride | Fluorinated (meth)acrylate polymers | 7 | 8 |
| 180582-79-0 | Sulfonic acids, C6-12-alkane, gammaomegaperfluoro, ammonium salts | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 12 |
| 93572-72-6 | Sulfonic acids, C6-12-alkane, perfluoro | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 12 |
| 68391-09-3 | Sulfonic acids, C6-12-alkane, perfluoro, potassium salts | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 6 | 12 |
| 306974-45-8 | Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether | poly/perfluorinated POLYMERS | 6 | 8 |
| 297175-71-4 | Sulfonic acids, C8-20-alkane, "gammaomegaperfluoro, compds, with triethylamine | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 8 | 20 |
| 144317-44-2 | Sulfonium, triphenyl-, salt with 1,1,2,2,3,3,4,44-nonafluoro-1-butanesulfonic acid (1:1) | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 91770-74-0 | Sulfonył fluorides, C1-5-alkane, .omega(ethenyloxy), perfluoro | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 1 | 5 |
| 68516-17-6 | Sulfuric acid, mono(_gammaomegaperfluoro-C6-12-alkyl) esters, ammonium salts | poly/perfluorinated ESTERS | 6 | 12 |
| 84238-62-0 | Sulfuric acid, mono(,gammaomega-perfluoro-C8-12-alkyl) esters, ammonium salts | poly/perfluorinated ESTERS | 8 | 12 |
| 101940-12-9 | Sulfuric acid, mono(,gammaomegaperfluoro-C8-14-alkyl) esters, ammonium salts | poly/perfluorinated ESTERS | 8 | 14 |
| 85995-90-0 | Sulfuric acid, mono(γ-ω-perfluoro-C8-14-alkyl) esters (EINECS) | poly/perfluorinated ESTERS | 8 | 14 |
| | TEA-C8-18 perfluoroalkylethyl phosphate is the triethanolamine salt of a complex mixture of esters of phosphoric acid and a perfluoroalkylethyl alcohol containining 8 to 18 carbons in the alkyl chain | poly/perfluorinated PHOSPHOORGANICS | - 8 | 18 |
| | TEA Perfluorohexyl Ethylohosobates is the triethanolamine salt of a complex mixture of esters of perfluorohexylethanol and phosoboric acid | poly/perfluorinated PHOSPHOORGANICS | | 6 |
| 39823-55-7 | Tetracosine, 1,1,2,2,3,3,4,5,5,6,6,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,33,33,24,24-nonatetracontaffuoro-24-iodo- | poly/perfluorinated IODIDES | 24 | 24 |
| 307-63-1 206-207-4 | Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafluoro-14-iodo- | poly/perfluorinated IODIDES | 14 | 14 |
| 30046-31-2 250-014-8 | Tetradecane, 1.1.1.2.2.3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.11.11.12.12-pentarossfluoro-14-iodo- | poly/perfluorinated IODIDES | 12 | 12 |
| 133331-77-8 | Tetradecane, 1.1.1.2.2.3.3.4.4.5.5.6.6-tridecafluoro- | poly/perfluorinated ALKANES/ALKENES | - 6 | 6 |
| 3248-63-3 | Terradecase, 1,1,1,2,3,3,4,4,5,5,66,7,7,8,8,9,1,0,10,11,11,12,12,13,13,14,14-octacosafluoro-14-iodo-2-(trifluoromethyl)- | poly/perfluorinated IODIDES | 15 | 15 |
| 307-62-0 | Tetradecane, triacontafluoro- | poly/perfluorinated ALKANES/ALKENES | 14 | 14 |
| 5102-53-4 | Tetradecanédioic acid, tetracosafluoro, dihydrazide | poly/perfluorinated CARBOXYLIC ACIDS | 12 | 12 |
| 68052-68-6 | Tetradecanoic acid, 2,23,3,44,55,6,77,8,8,9,9,10,10,11,11,12,12,13,14,14,14-hexacosafluoro-13-(irifluoromethyl)-, compd. with ethanamine (1:1) | poly/perfluorinated CARBOXYLIC ACIDS | 15 | 15 |
| 376-06-7 206-803-4 | Terndecanoic acid, hestacosafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 14 | 14 |
| 18024-09-4 | Tetradecancie as in heacosition-13-(trifluoromethyl)- | poly/perfluorinated CARBOXYLIC ACIDS | 15 | 15 |
| 94094-26-5 | Tetradexanoic acid, andehyl (3.3.4.5.5.6.6-6-onalment)/ | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 4 | 4 |
| 68025-62-7 | Tetralecancy (16.0) (2.33,344.5.6.6.7.78.89.0) (11.11,112.13.14.14.14-hexacosfluoro-13-(trifluoromethyl)- | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES | 15 | 15 |
| 162491-88-5 500-721-5 | remaceaning mutuae_25.59462_500.7.68699.10.01.11.12.12.15.15.16.16.19.19.10.10.10.11.12.12.15.16.16.19.19.10.10.10.11.12.12.15.16.16.19.19.10.10.10.10.11.12.12.15.16.16.19.19.10.10.10.10.10.10.11.12.12.15.16.16.19.10.10.10.10.11.12.12.15.16.16.19.10.10.10.10.10.10.10.10.10.10.10.10.10. | poly/perfluorinated ALKANOYL/SULFONYL CHLORIDE or FLUORIDES poly/perfluorinated POLYMERS | 13 | 15 |
| 161075-07-6 500-544-3 | Tertafluorochymic, colinged, citized, c | I VI | | |
| 161075-07-6 500-544-3 | | poly/perfluorinated POLYMERS | | 1 |
| 162492-14-0 500-543-8 | Tetrafluoroethylene, oxidized, oligomers, reduced, methyl esters, reaction products with ethylenediamine Tetrafluoroethylene, oxidized, oligomers, reduced, methyl esters, reduced, reaction products with ethylene oxide and methacrylic anhydride | poly/perfluorinated POLYMERS poly/perfluorinated COOPOLYMERS | | 1 |
| | Section of the control of the contro | | | 4 |
| 172074-62-3 54675-89-7 | Iterationoethylens-formaldetryke copolymer Tetrafluoroethylens-propylens-invilidene fluoride polymer | Polytetrafluoroethylene (PTFE) | 4 | 4 |
| | | poly/perfluorinated COOPOLYMERS | | |
| 32609-65-7 | Tetramedylamnoniumperfluorotanoat | poly/perfluorinated CARBOXYLIC ACIDS | - 8 | 8 |
| 1269217-82-4 | Thioroj 3-4-bjlitophene, homopolymer, 2-[1-dfilluoroj(1,2-2-trifluorosthenyl)oxy]methyl]-1,2,2-terrafluoroethoxy]-1,1,2,2-terrafluoroethylene polymer-doped | poly/perfluorinated POLYMERS | | - |
| 97553-95-2 | Thiosymia caid, gamma-omega-perfluoro C4-20-alkyl esters | poly/perfluorinated TIOLS | 4 | 20 |
| 26650-09-9 607-977-8 | Thio-yamic acid, 3,3,4,4,5,6,6,7,7,8,8,4-rideafhororoctyl ester | poly/perfluorinated TIOLS | - 6 | 6 |
| 26650-10-2 | Thio yamia acid. 3.3.4.4.5.5.6.6.7.7.8.8.9.9.10.10.10-beptadecafluorodecyl ester | poly/perfluorinated TIOLS | 8 | 8 |
| 68140-21-6 | Thiois, C10-20, gamma-conega-perfluoro | poly/perfluorinated TIOLS | 10 | 20 |
| 68140-18-1 | Thiols, C4-10, gamma-omega-perfluoro | poly/perfluorinated TIOLS | 4 | 10 |
| 68140-19-2 | Thiols, C4-20, gamma-omega-perfluoro | poly/perfluorinated TIOLS | 4 | 20 |
| 151686-30-5 | Thiols, C4-20, gamma-omega-perfluoro, reaction products with hexakis(methoxymethyl)melamine and vinyl tert-decanoate | poly/perfluorinated POLYMERS | 4 | 20 |
| 1078712-88-5 | Thiols, C4-20, gammaonega-perfluoro, telomers with acrylamide and acrylic acid, sodium salts | Fluorinated (meth)acrylate polymers | 4 | 20 |
| 113089-67-1 | Thiols, C4-20, y-o-perfluoro, reaction products with methylated formaldehyde1,3,5-triazine-2,4,6-triamine polymer (AICS) | poly/perfluorinated POLYMERS | 2 | 18 |
| 68140-20-5 | Thiols, C6-12, gammaomega-perfluoro | poly/perfluorinated TIOLS | 6 | 12 |
| 70969-47-0 | Thiols, C8-20, gammaomega-perfluoro, telomers with acrylamide | Fluorinated (meth)acrylate polymers | 8 | 20 |
| 42060-64-0 255-641-0 | Thiophene, octafluorotetrahydro-, 1,1-dioxide | poly/perfluorinated SULFONIC/SULFINIC ACIDS | 4 | 4 |
| 3709-71-5 | Trans-4-(Trifluoromethyl)perfluoro-2-pentene | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |
| | | | | |
| 959462-54-5 | TRI-Block waxes | poly/perfluorinated ALKANES/ALKENES | 6 | 6 |

| 376-04- | | Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13heptacossifluoro-13-iodo- | poly/perfluorinated IODIDES | 13 | 13 |
|-------------|-----------|---|---|----|----|
| 376-03-4 | | Tridecane, octacosafluoro- | poly/perfluorinated ALKANES/ALKENES | 13 | 13 |
| 72629-94-8 | | Tridecanoic acid, pentacosafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 13 | 13 |
| | 435-230-4 | triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)silane | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 8 | 8 |
| 158658-62-9 | | Trimethyl [3-[4-[3,4,4.4-tetrafluoro-2-(perfluoroisopropyl)-1,3-bis(trifluoromethyl)-1-butenyloxy]phenylsulfonylamino]propyl] ammonium iodide | poly/perfluorinated IODIDES | 1 | 3 |
| 94237-07-7 | • | Trisiloxane, 1,1,1,5,5-hexamethyl-3-(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctyl)-3-{(trimethylsilyl)oxy}- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 163921-85-5 | ; | Trisiloxane, 2-(3.3,4,4,5,5,6,6,7.7,8,8,9,9,10,10,10-heptadecafluorodecyl)-1,1,1,3,5,5-heptamethyl- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 8 | 8 |
| 94237-06-6 | 5 | Trisiloxane, 3-chloro-1,1,1,5,5,5-hexamethyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)- | poly/perfluorinated SILOXANES/SILICONES/SILANES/SILICATES | 6 | 6 |
| 114-96-3 | 1 | U.U.G.2-Tris(6-isocyanatohexyl)imidodicarbonic diamide, j-fluoro.\f(2-hydroxyethyl)poly(difluoromethylene), heteromonocycle-methanol and 1-octadecanol adduct | Fluorinated urethanes polymers | | 2 |
| 424-18-0 | | Undecafluorohexanoic acid, methyl ester | poly/perfluorinated ESTERS | 5 | 5 |
| 307-50-0 | 5 | Undecane, 1,1,1,2,2,3,3,4,5,5,6,7,7,8,8,9,10,10,11,11-tricosafluoro-11-iodo- | poly/perfluorinated IODIDES | 11 | 11 |
| 65510-56-7 | , | Undecane, 1,1,1,2,2,3,3,4,5,5,6,7,7,8,8,9,-nonadecafluoro-11-iodo- | poly/perfluorinated IODIDES | 9 | 9 |
| 200112-75-0 | | Undecane, 1,1,1,2,2,3,3,4,5,5,6,7,7,8,8-heptadecafluoro-11-iodo- | poly/perfluorinated IODIDES | 7 | 7 |
| 94231-58-0 |) | Undecane, 11-(ethenyloxy)-1,1,2,2,3,3,4,5,5,6,6,7,7,8,8,9,9,10,10-eicosafluoro- | poly/perfluorinated ETHERS | 11 | 11 |
| 307-49-3 | | Undecane, tetracosafluoro- | poly/perfluorinated ALKANES/ALKENES | 11 | 11 |
| 1765-48-6 | 217-184-5 | Undecanoic acid, 2,2,3,3,4,4,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 11 | 11 |
| 5081-02-7 | | Undecanoic acid, 2,2,3,3,44,5,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro-, ammonium salt | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 307-71- | | Undecanoic acid, 2,2,3,3,4,4,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro-, potassium salt | poly/perfluorinated CARBOXYLIC ACIDS | 10 | 10 |
| 53281-37- | | Undecanoic acid, 3,5,7,9,11,11-hexachloro-2,2,3,4,4,5,6,6,7,8,8,9,10,10,11-pentadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 9 | 10 |
| 34598-33-9 | 252-108-4 | Undecanoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 83310-58- | 280-373-6 | Undecanoic acid. 4.45.5.6.6.7.7.8.8.9.9.10.10.11.11.11-heptadecafluoro-, potassium salt | poly/perfluorinated CARBOXYLIC ACIDS | 8 | 8 |
| 2058-94-8 | 218-165-4 | Undecanoic acid, heneicosafluoro- | poly/perfluorinated CARBOXYLIC ACIDS | 11 | 11 |
| 28497-93-0 |) | Vinyl chloride-1,1,5-Trihydroperfluoroamyl acrylate copolymer | poly/perfluorinated COOPOLYMERS | 5 | 5 |
| 172074-69-0 | | Vinyl chloride-1-chloro-1-fluoroethylene copolymer | Polyvinylidene fluoride (PVDF) | | [|
| 172074-65-6 | 5 | Vinyl chloride-2,2,3,3-Tetrafluoropropyl acrylate copolymer | poly/perfluorinated COOPOLYMERS | 2 | 2 |
| 25120-58-5 | i | Vinyl fluoride-Hexafluoropropylene copolymer | Polyvinylidene fluoride (PVDF) | | [|
| 25101-38-6 | 5 | Vinyl fluoride-Vinylidene fluoride-Chlorotrifluoroethylene copolymer | poly/perfluorinated COOPOLYMERS | | l |
| 32802-40-7 | 1 | Vinyl fluoride-Vinylidene fluoride-Tetrafluoroethylene copolymer | poly/perfluorinated COOPOLYMERS | 4 | 4 |
| 107221-31-8 | 3 | Vinylidene fluoride-Hexafluoropropylene copolymer | poly/perfluorinated POLYMERS | | 1 |
| 107812-05-5 | i | Zinc, bis[hydrogen 4-[(heptadecafluoronomeny])oxy]benzyiphosphonate] | poly/perfluorinated PHOSPHOORGANICS | 8 | 8 |
| 3107-32-2 | | a,a,o-Trihydroperfluoroalky l (C7)phosphate disodium salt | poly/perfluorinated PHOSPHOORGANICS | 7 | 7 |
| 96353-69-4 | | a-{2-Hydroxy-3-{a-perfluoroisopropylpoly(degree of polymerization 7-15)(diffuoromethylene)]propyl]-a-methoxy-poly(degree of polymerization 1-25)(oxyethylene) | poly/perfluorinated POLYMERS | 3 | 3 |
| 104075-36-7 | | a-{5,5,6,6,7,7,8,8,9,9,10,10,11,11,1,2,13,13,13-Octadecafluoro-2-hydroxy-12-(trifluoromethy)lyindecyl]-a-hydroxy-poly(oxy-1,2-ethanediyl) | OTHER poly/perfluorinated ORGANICS | 10 | 10 |
| 152286-25-4 | ı | a-Fluoro-o-[2-{(1-oxo-2-propenyl)oxy}ethyl]poly(difluoromethylene), polymer with a-octyl-o-{2-metyl-1-oxo-2-propenyl)poly(oxy-1,2-ethanediyl-oxy(methyl-1,2-ethanediyl)] and a-{2-methyl-1-oxo-2-propenyl)-o-hydroxy-poly[oxy(methyl-1,2-ethanediyl)] | poly/perfluorinated POLYMERS | | |
| 218286-10-3 | | | Polyfluoro siloxanes and silicones polymers | 8 | 8 |



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