

# Konica Minolta Green Procurement Guidelines

Edition 33.0



**KONICA MINOLTA**

KONICA MINOLTA, INC.

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## 1. Introduction

### Konica Minolta Environmental Policy

The Konica Minolta Group aims to promote sustainable development and profitable growth. We integrate environmental, economic and social perspectives into our business strategies so that our business activities are implemented in harmony with human lives and with the environment in all aspects.

Our concept is to make steady progress toward resolution of environmental challenges based on quantitative measurement and analysis of reliable data in regard to environmental performance and impact. This basic concept is demonstrated in the following affirmation:

#### "Management Based On Facts"

##### 1. Working toward a sustainable society as a global citizen

In response to the call for a sustainable society, we will conduct business activities from the perspective of ongoing enhancement of performance in environmental preservation, economic growth and social responsibilities (ethics). Every one of us will enhance its knowledge and awareness on the environment, economies and societies on a global scale and act with responsibility in pursuit of a sustainable society.

##### 2. Compliance with laws and other requirements

We will comply with legal requirements in respective countries and regions, as well as our Group standards. In addition, we will respect, in an equitable manner, expectations of our stakeholders and consensus in the international community.

##### 3. Consideration for the environment throughout the entire life cycle of products and services

We are committed to reducing the environmental load in all stages throughout the entire life cycle of products and services, recognizing that responsibility for a product rests with its manufacture.

##### 4. Initiatives to counter global warming

We will continuously reduce greenhouse gas emissions that derive from our business activities from the perspective of the life cycle of our products and services throughout the entire Group, recognizing that global warming is one of the most important world issues.

##### 5. Initiatives toward a recycling-oriented society

We are always reviewing what we can do as a corporate citizen in order to create recycling-oriented society while striving for minimizing consumption of natural resources and promoting "Zero Waste Emission" activities. In addition, we will accelerate initiatives for the recovery and recycling of end-of-life products and packaging materials.

##### 6. Prevention of chemical pollution and minimization of potential risks to the environment

We will take every countermeasure for preventing chemical pollutions, recognizing that chemical substances can impose significant impact on human health and safety and the environment. At the same time, we will continuously suppress use of chemicals and reduce discharge volume in order to minimize environmental risks.

##### 7. Promotion of information disclosure

We will execute accountability to all the stakeholders by actively disclosing environmental information and ensuring risk communication. We will as well make every effort to accomplish our commitment to the societies. Our Environmental Policy is to be disclosed to the public.

##### 8. Establishment of environmental objectives and targets

We establish and administer environmental objectives, targets, and management programs to translate this Environmental Policy into reality. We will continuously review such objectives, targets and programs for further improvement of our environmental performance.

## 2. Purpose of green procurement

The purpose of green procurement is to accurately obtain information on Konica Minolta's "substances to manage" from suppliers, procure materials that include no hazardous substances for Konica Minolta delivered products, and appropriately manage information on chemicals to be transmitted to the supply chain and to consumers.

## 3. Scope

Konica Minolta's green procurement applies to the following articles that the Konica Minolta Group procures from suppliers:

But this does not include production facilities for producing Konica Minolta products or testing and research facilities.

- Equipment Products (Products, Parts, and components)
- Chemicals Products (Chemicals, service sub-materials, and production sub-materials used in production) (\*1)
- Packaging (Product packaging, Logistics Packaging) (\*2)

(\*1) Target Chemicals Products

- Chemicals (e.g. toner, ink, service sub-materials) and their constituent materials procured by the Konica Minolta Group.
- Raw materials and supplementary materials (grease, coating, adhesives, etc.) used in the Konica Minolta Group' production sites

(\*2) Packaging that does not arrive at the end-user and is not imported or exported, or packaging that is not subject to control at our delivery point, is not included in the scope.

## 4. Definition of terms

Substances to manage: Chemical substances that have been determined to require management at Konica Minolta. ChemSHERPA managed substances and all chemical substances and the following prohibited and scheduled prohibited substances and reportable substances for equipment products.

Equipment prohibited substances: Among the controlled substances, substances whose inclusion is prohibited by laws and regulations shown in Attached Table 1 and substances whose inclusion is restricted by Konica Minolta's voluntary efforts.

Equipment scheduled prohibited substances: Among the controlled substances, those that are under consideration for prohibition under treaties, laws, regulations, etc., and that Konica Minolta plans to prohibit within two years are shown in Appendix 1.

Equipment Reportable substances: Among the substances to manage, those substances (shown in Appendix 1) that should be reduced depending on the situation and, where included in parts, for which information should be provided in accordance with laws.

Prohibited chemical substances: Chemical substances that are harmful to the environment and pose serious health hazards over a long period of time, and that the KM Group must eliminate.

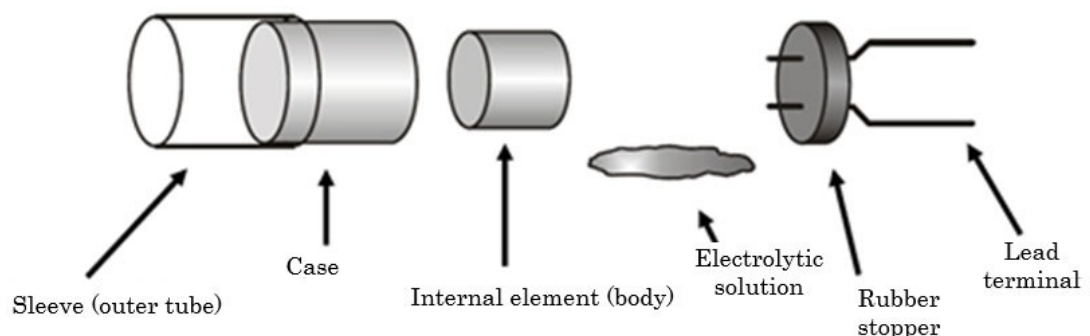
Restricted chemical substances: Chemical substances that are harmful to the environment and pose serious health hazards over a long period of time, and that the KM Group must restrict.

Homogeneous material: Based on the definition in EU RoHS (2011/65/EU), a material that cannot be mechanically separated into different materials. Examples include various types of plastic, ceramic, glass, metal, alloy, paper, board, resin, coating, paint, and plating.

Exemptions: Based on the definition in EU RoHS (2011/65/EU), uses that are temporarily permitted in an application where substitution is technically impracticable. The applications, limitations on the amount used, and periods of validity are established in detailed for each substance.

Intentional addition: The condition of having been added for some purpose, such as giving a product a certain property.

<Example: electrolytic capacitor>



Source: Material Composition Survey and Response Manual (published: Japan VT62474)

## 5. Request for supplier environmental management system

Suppliers should establish an environmental management system (EMS) at factories where suppliers produce or manufacture items for the Konica Minolta group. Specifically, this includes:

- Establishment and maintenance of environmental management organization and system in accordance with ISO14001, EMAS and other standards.
- Obtainment of ISO14001 certification, etc.
- Execution and record of required environmental management such as environment of factory and labor
- Reflection of Konica Minolta requests in management and production
- Securing of appropriate traceability from raw materials and parts to finished products
- Management of substances regulated under the Montreal Protocol
- Effort to reduce power consumption, water, production loss, CO<sub>2</sub>
- Corporate effort towards zero-emission and recycling
- Development of a system to enable the management of chemical substances in products according to the principles and guidelines for the management of chemical substances in products as stated in JIS Z7201, including the establishment of a system to enable the management of chemical substances in products to be carried out reliably.

Established system and performed management should be properly documented and recorded.

## 6. Requirements for supplied products

### 1) Requirements for chemical substances in products (CiP)

- Regarding prohibited substances in equipment products, delivered items must not contain more than the control standards, except for exempted applications.
- Information is to be provided to Konica Minolta regarding substances to manage.
- For scheduled prohibited substances, we may request a replacement before the scheduled prohibited date.

The administrative standards to be applied depend on the target use.

Some substances are subject to separate control criteria for each product group due to environmental labelling compliance or customer requirements.

See Appendix 1 for details.

### 2) Basis of determination of inclusion status

Determine inclusion status and content of survey target chemicals on a rational and chemical basis. Specifically:

- chemSHERPA data (CI, AI)
- Design value, prescription value
- Analytical value

Determine using one or a combination of the above.

If an analysis value is used as the basis of determination, consider maldistribution and other statistical variation between lots, within lots, and parts of an item.

### 3) Chemical substances in products (CiP) survey

Konica Minolta will email you a survey request for covered items. After receiving the survey request email, please answer the request. If the request is made via the Konica Minolta Green survey system, please access the system, review the request and answer.

For equipment products, the survey response format for CiP is based on the chemSHERPA-AI File. Composition information is required. Information on compliance judgment is optional.

Follow the chemSHERPA usage rules when preparing the chemSHERPA-AI File.

See the following website for details.

<https://cmp-consortium.com/chemsherpa/tool>

For chemical products, please submit SDSs, certificates of conformity with chemical laws and regulations, and chemSHERPA-CI.

Due to amendments to legislation, etc., we will send you an email requesting you to investigate SDSs and certificates of conformity with chemicals legislation, etc. Please answer the request after checking the contents.

We will determine whether a chemical product corresponds to a prohibited restricted substance or not. As the risks of chemicals vary depending on the form of exposure, in order to manage the risks more in line with reality, they are classified into five categories based on the assumed usage situation, ranging from 'cases where the product is used under strict control (e.g. production sites)' to 'cases where an unspecified number of users are assumed and measures cannot be expected', and requirements are set according to the respective risks.

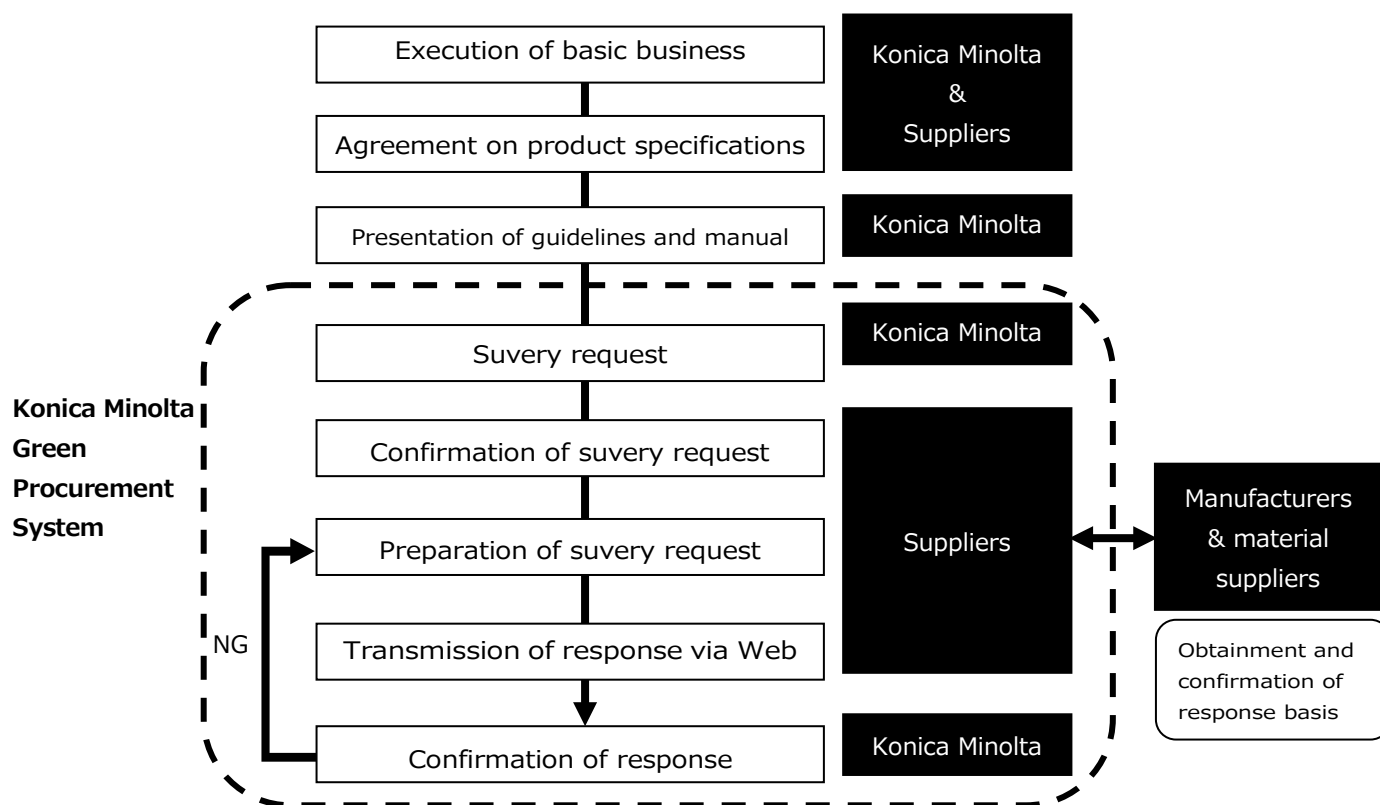
For packaging materials, logistics materials, and procurement items that may be used for them, please submit a "Declaration of Conformity on Chemical Substances Contained in Packaging Materials" in

addition to the "chemSHERPA-AI File."

A different survey method and/or response format might be requested depending on the business division or item. Evidence such as measured results might need to be submitted.

Please check with a Konica Minolta representative for details.

| category              | subclass                                                                         | specific example                                                                                                                                                                                                                                                                                         | Standards | Required documents<br>(Investigation documents)                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment<br>Products | Products                                                                         | PCs, monitors, printers, office equipment, etc.                                                                                                                                                                                                                                                          | Annex1    | chemSHERPA-AI                                                                                                                                      |
|                       | Parts and components                                                             | Articles, substrates, batteries, steel materials, bar solder, string solder, glass plates, PET bases, piezo elements, paper, etc.                                                                                                                                                                        | Annex1    |                                                                                                                                                    |
| packaging             | Product packaging                                                                | Containers, container caps, plastic bags, cushioning materials, roll cores, etc.                                                                                                                                                                                                                         | Annex1    | <ul style="list-style-type: none"> <li>•ChemSHERPA-AI</li> <li>•Declaration of Conformity of Chemical Substances in Packaging Materials</li> </ul> |
|                       | Logistics Packaging                                                              | Stretch film, cardboard for collective packaging, pallets, PP bands, cushioning materials, etc.                                                                                                                                                                                                          | Annex1    |                                                                                                                                                    |
| chemicals             | Products                                                                         | Toner, ink, etc.                                                                                                                                                                                                                                                                                         | Annex2    | <ul style="list-style-type: none"> <li>•chemSHERPA-CI</li> <li>•SDS,</li> <li>•Chemicals Certificate of Conformity</li> </ul>                      |
|                       | Chemicals, service sub-materials and production sub-materials used in production | Raw materials, preforms, resin pellets, glass cullet, adhesives, plating solutions, solvents, greases for products, targets, water repellents, coating agents, paints, solder pastes, drying agents, preservatives, cleaning agents, mold release agents, cutting fluids, abrasives, resist fluids, etc. | Annex2    |                                                                                                                                                    |



## 7. Requests when changing a response

If a change in an already submitted response occurs due to the following reasons, please notify a Konica Minolta representative promptly.

### ① Changing parts

- At changing design
- At changing manufacturing conditions (such as materials, equipment, and so on)
- At changing commercial distribution (supplier, trading company, manufacturer of raw materials, and so on)

### ② Addition of substances listed in the Green Procurement Guidelines

- When there are changes to the Konica Minolta Green Procurement Guidelines and a request for a response

### ③ Chemical composition and compositional changes

- At changing design
- At changing manufacturing conditions (such as materials, equipment, and so on)
- At changing commercial distribution (supplier, trading company, manufacturer of raw materials, and so on)

### ④ Change in response to the Chemicals Regulatory Compliance Certificate

- At change of inventory registration status
- At change of hazard information.
- At In case the substance is contained in a substance that corresponds to a change/addition of a substance subject to the answered regulation

## Revision History

| Revision date                                                         | Edition | Revision details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| October 16,2026                                                       | 33.0    | <a href="#">Revision of the prohibited/reportable substances list</a><br><a href="#">Add PFHpS, its salts, and related compounds to P70.</a><br><a href="#">Add Terphenyl, hydrogenated to S8.</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| March 31,2026                                                         | 32.0    | <p>1. Revision of the prohibited/reportable substances list</p> <ul style="list-style-type: none"> <li>• Add the substances registered with the IEC 62474(D31.0/D32.0) update.</li> <li>P6 Change the control threshold value for PBDE.</li> <li>P11 Change the control threshold value for PCB.</li> <li>P23 Change the applicable uses and control threshold value for formaldehyde</li> <li>Change three Scheduled Prohibited Substances to Equipment Prohibited Substances (P66–P68).</li> <li>P69 Change halogen-based flame retardants for specific uses from Equipment Monitored Substances to Equipment Prohibited Substances.</li> <li>Add four substances (groups) to Equipment Monitored Substances (R109–R112).</li> <li>• Two substances have been defined as scheduled to be prohibited(S6,S7)</li> <li>• Add REACH SVHC substances that are subject to equipment prohibition to the monitored substances list.</li> <li>• Update RoHS exemption information.</li> <li>• Revise the reference substance name list for substance groups.</li> </ul> <p>2. Addition of Chemicals to Control Standards</p> <ul style="list-style-type: none"> <li>• Add a table of prohibited and restricted substances for chemicals to the control standards of the Information Equipment Business, and integrate the related guidelines.</li> </ul> |
| March 31,2025                                                         | 31.0    | <p>1.Revision of the prohibited/reportable substances list</p> <p>Add the substances registered with the IEC 62474(D29.0/D30.0) update.</p> <p>P6 Setting thresholds for PBDEs in products not subject to EU RoHS</p> <p>P23 Formaldehyde: Change of Application for Substances.</p> <p>P31 Hexabromocyclododecane: control threshold changed.</p> <p>P34 PIP (3:1): excluded uses are added to the target uses and their control thresholds are changed.</p> <p>P39 Halogenated flame retardants: reference substances added and control limits changed.</p> <p>P60 Dechlorane plus: Addition of excluded uses to the application for substances and changes to the control thresholds.</p> <p>P61 UV328: Addition of excluded uses to the application for substances and changes to the control thresholds.</p> <p>Methoxychlor added to P62.</p> <p>TSCA PBT substances added.</p> <p>PFHxA added to P65.</p> <p>2. The following five substances have been defined as scheduled to be prohibited</p> <p>S1_Medium chain chlorinated paraffins (MCCP)</p> <p>S2_Perfluorocarboxylic acids (PFCA C15-C21), their salts and related substances</p> <p>S3 chlorpyrifos</p> <p>S4 Decabromo-diphenyl-ethane {1,1'-(ethane-1,2-diyl)bis[pentabromo benzene]} (DBDPE)</p> <p>S5 Tetrabromo-bisphenol A (TBBPA)</p>                                   |
| <a href="#">Revision history prior to the 30th edition is omitted</a> |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## &lt;Prohibited substances&gt;

Revision date 16-Oct-2026

|     | Substance                                                   | CAS No.    | Application for Substances                                                                                                                                                                     | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified) | Remarks                                            | Reference laws and regulations |
|-----|-------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|
| P1  | Cadmium/Cadmium compounds                                   | Annex2-1   | Parts                                                                                                                                                                                          | 0.01%(100ppm)                                                                                | Listed on Annex 1 are not prohibited.              | 1,2,3,4,5                      |
|     |                                                             |            | Batteries                                                                                                                                                                                      | 0.001% of battery (10ppm)                                                                    | Medical equipments are exempt.                     | 22,24                          |
|     |                                                             |            | Packaging materials                                                                                                                                                                            | Total weight of Cd,Pb,Hg,CrVI 0.01%(100ppm)                                                  |                                                    | 40,45                          |
| P2  | Chromium (VI) Compounds                                     | Annex2-2   | Parts                                                                                                                                                                                          | 0.1%(1000ppm)                                                                                | Listed on Annex 1 are not prohibited               | 1,2,3,4                        |
|     |                                                             |            | Packaging materials                                                                                                                                                                            | Total weight of Cd,Pb,Hg,CrVI 0.01%(100ppm)                                                  |                                                    | 40,45                          |
| P3  | Lead/Lead Compounds                                         | Annex2-3   | Parts other than those listed below                                                                                                                                                            | 0.1%(1000ppm)                                                                                | Listed on Annex 1 are not prohibited               | 1,2,3,4,5                      |
|     |                                                             |            | PVC sheathed wires that are external and frequently handled                                                                                                                                    | 0.03% (300ppm)                                                                               |                                                    | 18                             |
|     |                                                             |            | PVC parts                                                                                                                                                                                      | 0.1%(1000ppm)                                                                                |                                                    | 5                              |
|     |                                                             |            | Consumer products designed or intended primarily for children 12 years of age or younger                                                                                                       | 0.01% (100ppm)                                                                               |                                                    | 12                             |
|     |                                                             |            | Paint and similar surface coatings of toys and other articles intended for use by children                                                                                                     | 0.009% (90ppm)                                                                               |                                                    |                                |
|     |                                                             |            | Batteries                                                                                                                                                                                      | 0.004% of battery (40ppm)                                                                    |                                                    | 22,23                          |
|     |                                                             |            | Packaging materials                                                                                                                                                                            | Total weight of Cd,Pb,Hg,CrVI 0.01%(100ppm)                                                  |                                                    | 40,45                          |
| P4  | Mercury/Mercury Compounds                                   | Annex2-4   | Parts                                                                                                                                                                                          | Intentionally added and 0.1%(1000ppm)                                                        | Listed on Annex 1 are not prohibited.              | 1,2,3,4,5, 14                  |
|     |                                                             |            | Batteries                                                                                                                                                                                      | 0.0001% of battery (1ppm)                                                                    |                                                    | 14,22,23, 24,25, 26            |
|     |                                                             |            | Packaging materials                                                                                                                                                                            | Total weight of Cd,Pb,Hg,CrVI 0.01%(100ppm)                                                  |                                                    | 40,45                          |
| P5  | Polybrominated biphenyls (PBB)                              | Annex2-6   | All                                                                                                                                                                                            | 0.1%(1000ppm)                                                                                |                                                    | 1,2,3                          |
| P6  | Polybrominated diphenyl ethers (PBDE)                       | Annex2-7   | Products covered by EU RoHS                                                                                                                                                                    | Intentionally added and 0.1%(1000ppm)                                                        | Deca-BDE and Hexabromobiphenyl is also prohibited. | 1,2,3,7,8, 46                  |
|     |                                                             |            | EU RoHS exempt products                                                                                                                                                                        | Intentionally added and 0.001%(10ppm)                                                        | Deca-BDE and Hexabromobiphenyl is also prohibited. | 2,3,7,8,1 3,46                 |
| P7  | Dibutyltin (DBT) compounds                                  | Annex2-15  | All                                                                                                                                                                                            | 0.1% of tin in the part                                                                      | Prohibited only for general public supply          | 5                              |
| P8  | Diocetyl tin (DOT) compounds                                | Annex2-19  | (a) Textile and leather articles intended to come into contact with the skin<br>(b) Childcare articles<br>(c) Two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits) | 0.1% of tin in the part                                                                      |                                                    | 5                              |
| P9  | Bis(tributyltin) oxide (TBTO)                               | 56-35-9    | All                                                                                                                                                                                            | Intentionally added                                                                          |                                                    | 7                              |
| P10 | Tri-substituted organostannic compounds                     | Annex2-5   | All                                                                                                                                                                                            | Intentionally added                                                                          |                                                    | 5,7,9                          |
| P11 | Polychlorinated Biphenyls (PCBs) and specific substitutes   | Annex2-8   | All except the following                                                                                                                                                                       | Intentionally added                                                                          |                                                    | 7,8                            |
|     |                                                             |            | Articles containing organic pigments and dyes                                                                                                                                                  | 0.001%(10ppm)                                                                                |                                                    | 13                             |
|     |                                                             |            | Other molded products                                                                                                                                                                          | 0.00002%(0.2ppm)                                                                             |                                                    |                                |
| P12 | Polychlorinated Terphenyls (PCTs)                           | 61788-33-8 | All                                                                                                                                                                                            | 0.005% (50ppm)                                                                               |                                                    | 5                              |
| P13 | Polychlorinated naphthalenes(PCN) (Cl $\geq$ 1)             | Annex2-9   | All                                                                                                                                                                                            | Intentionally added                                                                          |                                                    | 7,13                           |
| P14 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | Annex2-13  | All                                                                                                                                                                                            | Intentionally added and 0.1%(1000ppm)                                                        |                                                    | 9,11,13                        |
| P15 | Perfluorooctane sulfonates (PFOS)                           | Annex2-14  | Parts                                                                                                                                                                                          | Intentionally added 0.0000025%(25ppb)                                                        |                                                    | 7,10 13                        |
|     |                                                             |            | Related substances in parts                                                                                                                                                                    | 0.0001%(1000ppb)                                                                             |                                                    | 13                             |
|     |                                                             |            | Textiles or other coated materials                                                                                                                                                             | Intentionally added                                                                          |                                                    | 7,10                           |
|     |                                                             |            |                                                                                                                                                                                                | 1 $\mu$ g/m <sup>2</sup>                                                                     |                                                    | 13                             |

|     | Substance                                                                                            | CAS No.   | Application for Substances                                                                                                                                                                    | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified)                                                 | Remarks                                                           | Reference laws and regulations |
|-----|------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------|
| P16 | Azocolourants and Azodyes which form certain aromatic amines                                         | Annex2-11 | Textiles and leather products                                                                                                                                                                 | Amine thresholds in finished products:0.003%(30ppm)                                                                                          |                                                                   | 5                              |
| P17 | Asbestos                                                                                             | Annex2-10 | All                                                                                                                                                                                           | Intentionally added                                                                                                                          |                                                                   | 5,8,11                         |
| P18 | Ozone Depleting Substances(ODSs)                                                                     | Annex2-12 | All (including use in manufacturing processes)                                                                                                                                                | Intentionally added                                                                                                                          |                                                                   | 28,29,30,31                    |
| P19 | Fluorinated Greenhouse Gases (PFC, SF6, HFC)                                                         | Annex2-17 | All                                                                                                                                                                                           | Intentionally added                                                                                                                          |                                                                   | 27                             |
| P20 | Polyvinyl Chloride(PVC)                                                                              | -         | Resin packaging materials (Other than seal tapes for photographic arts films, X-ray films and color papers)                                                                                   | Intentionally added                                                                                                                          | ※Not listed in chemSHERPA                                         | 41                             |
| P21 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                 | 3846-71-7 | All                                                                                                                                                                                           | Intentionally added                                                                                                                          |                                                                   | 7                              |
| P22 | Radioactive substances                                                                               | Annex2-16 | All                                                                                                                                                                                           | Intentionally added                                                                                                                          |                                                                   | 32,33,34,35                    |
| P23 | Formaldehyde                                                                                         | 50-00-0   | All except the following<br>(a) clothing or related accessories<br>(b) textiles other than clothing, which come into contact with human skin to an extent similar to clothing<br>(c) footwear | Intentionally added<br>0.0075%(75ppm)                                                                                                        |                                                                   | 5<br>15,17                     |
| P24 | Nickel/Nickel Compounds                                                                              | Annex2-33 | Parts that may come into direct contact with human skin for a long time                                                                                                                       | Intentionally added                                                                                                                          |                                                                   | 5                              |
| P25 | Dimethylfumarate (DMF)                                                                               | 624-49-7  | All                                                                                                                                                                                           | 0.00001%(0.1ppm)                                                                                                                             |                                                                   | 5                              |
| P26 | Benzyl butyl phthalate (BBP)                                                                         | 85-68-7   | Parts<br>Other than Toys or childcare articles                                                                                                                                                | 0.1%(1000ppm)<br>Total weight of BBP, DBP, DEHP, DIBP 0.1%(1000ppm)                                                                          | <See Note.1>                                                      | 1<br>5,12                      |
| P27 | Dibutyl phthalate (DBP)                                                                              | 84-74-2   | Parts<br>Other than Toys or childcare articles                                                                                                                                                | 0.1%(1000ppm)<br>Total weight of BBP, DBP, DEHP, DIBP 0.1%(1000ppm)                                                                          | <See Note.1>                                                      | 1<br>5,12                      |
| P28 | Bis (2-ethylhexyl) phthalate (DEHP)                                                                  | 117-81-7  | Parts<br>Other than Toys or childcare articles                                                                                                                                                | 0.1%(1000ppm)<br>Total weight of BBP, DBP, DEHP, DIBP 0.1%(1000ppm)                                                                          | <See Note.1>                                                      | 1<br>5,12                      |
| P29 | Diisobutyl phthalate (DIBP)                                                                          | 84-69-5   | Parts<br>Other than Toys or childcare articles                                                                                                                                                | 0.1%(1000ppm)<br>Total weight of BBP, DBP, DEHP, DIBP 0.1%(1000ppm)                                                                          | <See Note.1>                                                      | 1<br>5,12                      |
| P30 | Phthalates, Selected Group 2 (DIDP, DINP, DNOP)                                                      | Annex2-21 | Children's toy or child care article that can be placed in a child's mouth                                                                                                                    | 0.1%(1000ppm)                                                                                                                                |                                                                   | 5,12                           |
| P31 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD) | Annex2-25 | All                                                                                                                                                                                           | Intentionally added<br>0.0075%(75ppm)                                                                                                        |                                                                   | 7<br>13                        |
| P32 | Polycyclic aromatic hydrocarbons(PAHs)                                                               | Annex2-24 | Rubber parts or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles                                          | Each of PAHs be weight of the plastic or rubber parts ≤ 1mg / Kg<br>Each of PAHs be weight of the plastic or rubber parts ≤ 0.5mg / Kg       | except toys and childcare articles<br>toys and childcare articles | 5                              |
| P33 | Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA                                | Annex2-31 | Parts<br>PFOA related compounds, in article or mixture                                                                                                                                        | Intentionally added<br>Threshold as an impurity:0.0000025% (25ppb)<br>Intentionally added<br>Total of PFOA related substances 0.0001% (1ppm) |                                                                   | 7,16<br>13<br>16<br>13         |

|     | Substance                                                                                             | CAS No.                             | Application for Substances                                                                        | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified)                                                                                            | Remarks                                                                                                                  | Reference laws and regulations |
|-----|-------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| P34 | Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))                                                     | 68937-41-7                          | All(Excluding lubricants, grease, wire harnesses and circuit boards)                              | Intentionally added and 0.1%(1000ppm) in parts                                                                                                                                          | Medical equipment applications are not prohibited. Lubricating oil and grease will be prohibited from November 22, 2039. | 8                              |
| P35 | Perfluorohexane sulfonic acid (PFHxS) and their salts                                                 | Annex2-34-1                         | All                                                                                               | Intentionally added PFHxS 0.0000025% (25ppb)                                                                                                                                            |                                                                                                                          | 7,46                           |
|     | Perfluorohexane sulfonic acid (PFHxS) related compounds                                               | Annex2-34-2                         | All                                                                                               | Intentionally added Total of PFHxS related substances 0.0001% (1ppm)                                                                                                                    |                                                                                                                          | 11,13<br>46                    |
| P36 | Perfluorocarboxylic acids (PFCA:C9-C14) and their salts                                               | Annex2-42-1                         | All                                                                                               | 0.0000025% (25ppb)                                                                                                                                                                      |                                                                                                                          | 5                              |
|     | Perfluorocarboxylic acids (PFCA:C9-C14)-related compounds                                             | Annex2-42-2                         | All                                                                                               | Total of C9-C14 PFCA-related substances 0.000026% (260ppb)                                                                                                                              |                                                                                                                          |                                |
| P37 | Aromatic hydrocarbons of mineral oil (MOAH) comprising from 1 to 7 aromatic rings                     | -                                   | Packaging materials & Included printed matter                                                     | Aromatic hydrocarbons of mineral oil comprising from 1 to 7 aromatic rings (in ink) 1000ppm or Aromatic hydrocarbons of mineral oil comprising from 3 to 7 aromatic rings (in ink) 1ppm | ※Not listed in chemSHERPA                                                                                                | 42                             |
|     | Saturated hydrocarbons with mineral oil (MOSH) comprising from 16 to 35 carbon atoms                  | -                                   | Packaging materials & Included printed matter                                                     | (in ink)1000ppm                                                                                                                                                                         | ※Not listed in chemSHERPA                                                                                                |                                |
| P38 | 4,4'-isopropylidene diphenol(BPA)                                                                     | 80-05-7                             | Packaging materials                                                                               | Intentionally added                                                                                                                                                                     | Except for packaging materials, refer to monitoring substance R41                                                        | 43                             |
| P39 | Halogenated flame retardants                                                                          | Annex2-22<br>Annex2-23<br>Annex2-51 | Enclosure and stand of electronic displays with a screen area greater than 100 square centimetres | 0.1 mass% of halogen content                                                                                                                                                            | Except for certain applications, refer to monitoring substance R1,R2                                                     | 20                             |
| P40 | Hexachlorobenzene                                                                                     | 118-74-1                            | All                                                                                               | Intentionally added 0.001%(10ppm)                                                                                                                                                       |                                                                                                                          | 46<br>13                       |
| P41 | Aldrin                                                                                                | 309-00-2                            | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P42 | Dieldrin                                                                                              | 60-57-1                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P43 | Endrin                                                                                                | 72-20-8                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P44 | DDT                                                                                                   | 50-29-3                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P45 | Chlordane                                                                                             | 57-74-9                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P46 | Heptachlor                                                                                            | 76-44-8                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P47 | Toxaphene                                                                                             | 8001-35-2                           | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P48 | Mirex                                                                                                 | 2385-85-5                           | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P49 | Hexachlorobutadiene                                                                                   | 87-68-3                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46,8                        |
| P50 | Pentachlorobenzene                                                                                    | 608-93-5                            | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P51 | Alphahexachlorocyclohexane                                                                            | 319-84-6                            | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P52 | Betahexachlorocyclohexane                                                                             | 319-85-7                            | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P53 | Lindane                                                                                               | 58-89-9                             | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P54 | Chlordecone                                                                                           | 143-50-0                            | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P55 | Tetrabromodiphenyl ether and pentabromodiphenyl ether                                                 | —                                   | All                                                                                               | Intentionally added<br>0.001%(10ppm)                                                                                                                                                    |                                                                                                                          | 46<br>13                       |
| P56 | Hexabromodiphenyl ether and heptabromodiphenyl ether                                                  | —                                   | All                                                                                               | Intentionally added<br>0.001%(10ppm)                                                                                                                                                    |                                                                                                                          | 46<br>13                       |
| P57 | Technical endosulfan and its related isomers                                                          | Annex2-47                           | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P58 | Pentachlorophenol and its salts and esters                                                            | Annex2-49                           | All                                                                                               | Intentionally added 0.0005%(5ppm)                                                                                                                                                       |                                                                                                                          | 7,46<br>13                     |
| P59 | Dicofol                                                                                               | Annex2-48                           | All                                                                                               | Intentionally added                                                                                                                                                                     |                                                                                                                          | 13,46                          |
| P60 | Dechlorane Plus™TM [covering any of its individual anti- and syn-isomers or any combination there of] | Annex2-35                           | All(excluding medical imaging equipment)                                                          | Intentionally added<br>0.0001%(1ppm)                                                                                                                                                    | Medical imaging equipment will be prohibited from February 27, 2030.                                                     | 7,46<br>13                     |
| P61 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)                                             | 25973-55-1                          | All(excluding triacetyl cellulose(TAC) film for polarisers)                                       | Intentionally added 0.0001%(1ppm)                                                                                                                                                       | TAC films will be prohibited from February 27, 2030.                                                                     | 7,46<br>13                     |

|     | Substance                                                                                                          | CAS No.                                 | Application for Substances                                                                                  | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified)                                   | Remarks                                                                                                                                             | Reference laws and regulations |
|-----|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| P62 | Methoxychlor                                                                                                       | Annex2-52                               | All                                                                                                         | Intentionally added<br>0.01%(100ppm)                                                                                           |                                                                                                                                                     | 7,46<br>13                     |
| P63 | Pentachlorothiophenol (PCTP)                                                                                       | 133-49-3                                | All                                                                                                         | 1% in parts                                                                                                                    | Medical equipment applications are not prohibited.                                                                                                  | 8                              |
| P64 | 2,4,6-tri-tert-butylphenol                                                                                         | 732-26-3                                | All                                                                                                         | 0.3%(3000ppm) in parts                                                                                                         | Medical equipment applications are not prohibited.                                                                                                  | 8                              |
| P65 | Perfluorohexane acids (PFHxA) and its salts<br>PFHxA-related substances                                            | Annex2-53-1<br>Annex2-53-2              | (a)for the general public, textile,leather,furs,hides<br>(b)footwear                                        | PFHxA 0.0000025% (25ppb)<br>Total of PFHxA-related substances 0.0001%(1000ppb)                                                 | Please refer to R69 for other than target applications.                                                                                             | 5                              |
| P66 | Medium-chain chlorinated paraffins(14-17 carbon atoms, chlorination rate 45% or more) (MCCP)                       | Annex2-39                               | All                                                                                                         | Intentionally added<br>0.1%(1000ppm)                                                                                           | Prohibited from December 16, 2026.<br>Please refer to R65.                                                                                          | 46<br>13                       |
| P67 | Perfluorocarboxylic acid (PFCA:C9-C21) and their salts<br>C9-C21 PFCA-related compounds                            | Annex2-42-1<br>Annex2-54<br>Annex2-42-2 | All<br>All                                                                                                  | Intentionally added<br>0.0000025% (25ppb)<br>Intentionally added<br>Total of C9-C21 PFCA-related substances 0.000026% (260ppb) | Prohibited from December 16, 2026.<br>Contained in PFAS-related substances.                                                                         | 46<br>13,49<br>46<br>13,49     |
| P68 | chlorpyrifos                                                                                                       | 2921-88-2                               | All                                                                                                         | Intentionally added<br>0.000001% (10ppb)                                                                                       | Prohibited from December 16, 2026.                                                                                                                  | 46<br>13                       |
| P69 | Halogenated flame retardants                                                                                       | Annex2-22<br>Annex2-23<br>Annex2-51     | Plastic outer enclosures for indoor electrical and electronic products powered by 120V outlets or batteries | Intentionally added or<br>0.1%(1000ppm)                                                                                        | Prohibited from January 1, 2027.<br>Please refer to R1,R2 for other than target applications.<br>Medical equipment applications are not prohibited. | 47                             |
| P70 | Perfluoroheptane sulfonic acid (PFHpS) and their salts<br>Perfluoroheptane sulfonic acid (PFHpS)-related compounds | Annex2-56<br>Annex2-56                  | All<br>All                                                                                                  | 0.0000025% (25ppb)<br>Total of PFHpS-related substances 0.0001% (1ppm)                                                         | Prohibited from January 1, 2027.                                                                                                                    | 49                             |

Note1: As phthalates are migratory, please manage phthalates to ensure that migratory contamination does not occur.

<Additional prohibited substances for information equipment products.>

|      | Substance                 | CAS No.  | Application for Substances | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified) | Remarks                                                         | Reference laws and regulations |
|------|---------------------------|----------|----------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------|
| P101 | Cadmium/Cadmium compounds | Annex2-1 | Imaging equipment          | 0.01%(100ppm)                                                                                | Exempting cadmium usage in imaging equipment is also prohibited | 101                            |
| P102 | Mercury/Mercury Compounds | Annex2-4 | Imaging equipment          | Intentionally added                                                                          |                                                                 | 101                            |

<Additional prohibited substances for industrial products.>

|      | Substance         | CAS No.   | Application for Substances                                                                                         | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified) | Remarks | Reference laws and regulations |
|------|-------------------|-----------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------|--------------------------------|
| P106 | Beryllium Oxide   | 1304-56-9 | All Optical Components Division products (except those for special applications for which there is no alternative) | Intentionally added                                                                          |         | 102                            |
| P107 | Cobalt Dichloride | 7646-79-9 | Humidity indicator for drying agents (e.g. silica gel) used in Optical Components Division products.               | Intentionally added                                                                          |         | 6                              |

<Scheduled Prohibited Substances>

|    | Substance                                                                        | CAS No.    | Application for Substances | Control limit and threshold<br>(Contents in homogeneous material unless otherwise specified) | Remarks                                                                                   | Reference laws and regulations           |
|----|----------------------------------------------------------------------------------|------------|----------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------|
| S4 | Decabromo-diphenyl-ethane {1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]} (DBDPE) | 84852-53-9 | All                        | Report the content                                                                           | Scheduled date of prohibition March 31, 2028.<br><See Note.2><br>Also listed as a R109.   | 49<br>(regulation under consideration,5) |
| S5 | Tetrabromo-bisphenol A (TBBPA)                                                   | Annex2-43  | All                        | Report the content                                                                           | Scheduled date of prohibition March 31, 2028.<br><See Note.2><br>Also listed as a R71.    | (regulation under consideration,5)       |
| S6 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene](BTBPE)                  | 37853-59-1 | All                        | Report the content                                                                           | Scheduled date of prohibition March 31, 2028.<br><See Note.2><br>Also listed as a R1 R70. | (regulation under consideration,5)       |
| S7 | Bis(2-ethylhexyl)tetrabromophthalate (TBPH)                                      | 26040-51-7 | All                        | Report the content                                                                           | Scheduled date of prohibition March 31, 2028.<br><See Note.2><br>Also listed as a R1 R74. | (regulation under consideration,5)       |
| S8 | Terphenyl, hydrogenated                                                          | 61788-32-7 | All                        | Report the content                                                                           | Scheduled date of prohibition April 30, 2028.<br><See Note.2><br>Also listed as a R50.    | (regulation under consideration,5)       |

Note2:The scheduled date of the prohibition may be changed depending on the status of laws and regulations.

<Reporting substance>

|     | Substance                                                                                  | CAS No.     | Application for Substances     | Control limit and threshold<br>(Contents in article unless<br>otherwise specified) | Remarks                               | Reference<br>laws and<br>regulations |
|-----|--------------------------------------------------------------------------------------------|-------------|--------------------------------|------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|
| R1  | Brominated flame retardants (other than PBBs,PBDEs and HBCDDs)(including polymers)         | Annex2-22   | Printed wiring board laminate  | 0.09%(900 ppm) total bromine content in laminate                                   |                                       | 37,38                                |
|     |                                                                                            |             | Plastic materials except above | 0.1%(1000ppm)                                                                      |                                       | 6,20,39                              |
| R2  | Chlorine flame retardants (exempted Short Chain Chlorinated Paraffins)(including polymers) | Annex2-23   | Printed wiring board laminates | 0.09%(900 ppm) total chlorine content in laminate                                  |                                       | 37,38                                |
|     |                                                                                            |             | Plastic materials except above | 0.1%(1000ppm)                                                                      |                                       | 20,39                                |
| R3  | Bis(2-methoxyethyl) phthalate (DMEP)                                                       | 117-82-8    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R4  | Diarsenic pentaoxide                                                                       | 1303-28-2   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R5  | Diarsenic trioxide                                                                         | 1327-53-3   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R6  | tris(2-chloroethyl) phosphate (TCEP)                                                       | 115-96-8    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R7  | Beryllium Oxide                                                                            | 1304-56-9   | All                            | 0.1%(1000ppm)                                                                      |                                       | 36                                   |
| R8  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)            | 68515-42-4  | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R9  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)                | 71888-89-6  | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R10 | Specific Ceramic Fibres                                                                    | Annex2-26   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R11 | Specific borate compounds                                                                  | Annex2-27   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R12 | Cobalt Dichloride                                                                          | 7646-79-9   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R13 | Perchlorates                                                                               | Annex2-18   | All                            | 0.0000006% (0.006ppm)                                                              |                                       | 19                                   |
| R14 | Bis(2-methoxyethyl) ether                                                                  | 111-96-6    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R15 | 4-(1,1,3,3-tetra methylbutyl)phenol, (4-tert-Octylphenol)                                  | 140-66-9    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R16 | 1,2-bis(2-methoxy ethoxy)ethane                                                            | 112-49-2    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R17 | 1,2-dimethoxyethane                                                                        | 110-71-4    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R18 | 4-aminoazobenzene                                                                          | 60-09-3     | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R19 | 1,2-diethoxyethane                                                                         | 629-14-1    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R20 | N,N-dimethylformamide                                                                      | 68-12-2     | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R21 | 1,2-benzenedicarboxylic acid, dipentylester, branched and linear;                          | 84777-06-0  | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R22 | Diisopentylphthalate (DIPP)                                                                | 605-50-5    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R23 | N-pentyl-isopentylphthalate                                                                | 776297-69-9 | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R24 | Di-n-Hexyl Phthalate (DNHP)                                                                | 84-75-3     | All                            | Intentionally added 0.1%(1000ppm)                                                  |                                       | 6,18                                 |
| R25 | Hexahydromethylphthalic anhydride                                                          | Annex2-29   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R26 | Dipentylphthalate                                                                          | 131-18-0    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R27 | Nonylphenol ethoxylates                                                                    | Annex2-30   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R28 | Trixylyl phosphate                                                                         | 25155-23-1  | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R29 | C.I. Direct black 38                                                                       | 1937-37-7   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R30 | C.I. Direct red 28                                                                         | 573-58-0    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R31 | 2-Imidazolidinethione                                                                      | 96-45-7     | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R32 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)                                  | 25973-55-1  | All                            | 0.1%(1000ppm)                                                                      | Except for P61 prohibited substances. | 6                                    |
| R33 | 2-ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)     | 15571-58-1  | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |

|     | Substance                                                                                                                                                                                                                                                    | CAS No.                | Application for Substances     | Control limit and threshold<br>(Contents in article unless<br>otherwise specified) | Remarks                               | Reference<br>laws and<br>regulations |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------|------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|
| R34 | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | -                      | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R35 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear [DiHP]                                                                                                                                                                                      | 68515-50-4             | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R36 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with >=0.3% of dihexyl phthalate (EC No. 201-559-5)                                                                              | 68515-51-5, 68648-93-1 | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R37 | 1,3-propanesultone                                                                                                                                                                                                                                           | 1120-71-4              | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R38 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                                                               | 3864-99-1              | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R39 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                                                                                                                                                                         | 36437-37-3             | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R40 | Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                                                                          | 50-32-8                | All                            | 0.1%(1000ppm)                                                                      | Except for P32 prohibited substances. | 6                                    |
| R41 | 4,4'-isopropylidene diphenol (BPA)                                                                                                                                                                                                                           | 80-05-7                | All except packaging materials | Intentionally added<br>0.1%(1000ppm)                                               |                                       | 6,18                                 |
| R42 | Chrysene                                                                                                                                                                                                                                                     | 218-01-9               | All                            | 0.1%(1000ppm)                                                                      | Except for P32 prohibited substances. | 6                                    |
| R43 | Benz[a]anthracene                                                                                                                                                                                                                                            | 56-55-3                | All                            | 0.1%(1000ppm)                                                                      | Except for P32 prohibited substances. | 6                                    |
| R44 | Dechlorane Plus™TM [covering any of its individual anti- and syn-isomers or any combination there of]                                                                                                                                                        | Annex2-35              | All                            | 0.1%(1000ppm)                                                                      | Except for P60 prohibited substances. | 6                                    |
| R45 | Benzo[ghi] perylene                                                                                                                                                                                                                                          | 191-24-2               | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R46 | Octamethylcyclotetrasiloxane(D4)                                                                                                                                                                                                                             | 556-67-2               | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R47 | Decamethylcyclopentasiloxane(D5)                                                                                                                                                                                                                             | 541-02-6               | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R48 | Dodecamethylcyclohexasiloxane(D6)                                                                                                                                                                                                                            | 540-97-6               | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R49 | Disodium octaborate                                                                                                                                                                                                                                          | 12008-41-2             | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R50 | Terhenyl hydrogenated                                                                                                                                                                                                                                        | 61788-32-7             | All                            | 0.1%(1000ppm)                                                                      | Also listed as a S8.                  | 6                                    |
| R51 | Dicyclohexyl phthalate (DCHP)                                                                                                                                                                                                                                | 84-61-7                | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R52 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                                                                                                    | 6807-17-6              | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R53 | Benzo[k]fluoranthene                                                                                                                                                                                                                                         | 207-08-9               | All                            | 0.1%(1000ppm)                                                                      | Except for P32 prohibited substances. | 6                                    |
| R54 | Fluoranthene                                                                                                                                                                                                                                                 | 206-44-0, 93951-69-0   | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R55 | Phenanthrene                                                                                                                                                                                                                                                 | 85-01-8                | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R56 | Pyrene                                                                                                                                                                                                                                                       | 129-00-0, 1718-52-1    | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R57 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)                                                                                                                                                                                                    | Annex2-36              | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R58 | Diisohexyl phthalate                                                                                                                                                                                                                                         | 71850-09-4             | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R59 | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                                                                                                                           | Annex2-37              | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R60 | Bis(2-(2-methoxyethoxy)ethyl)ether                                                                                                                                                                                                                           | 143-24-8               | All                            | 0.1%(1000ppm)                                                                      |                                       | 6                                    |

|     | Substance                                                                                                                                                                                                    | CAS No.              | Application for Substances                                                        | Control limit and threshold<br>(Contents in article unless<br>otherwise specified) | Remarks                                       | Reference<br>laws and<br>regulations |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------|
| R61 | Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | Annex2-38            | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R62 | Cobalt / Cobalt compounds                                                                                                                                                                                    | -                    | Batteries used in computer servers and online data storage products               | Report the content                                                                 |                                               | 21                                   |
| R63 | Neodymium / Neodymium compounds                                                                                                                                                                              | -                    | HDDs (Hard Disk Drives) used in computer servers and online data storage products | Report the content                                                                 |                                               | 21                                   |
| R64 | 4,4'-(1-methylpropylidene)bisphenol (Bisphenol B)                                                                                                                                                            | 77-40-7              | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R65 | Medium-chain chlorinated paraffins (MCCP)                                                                                                                                                                    | Annex2-39            | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P66 prohibited substances.         | 6                                    |
| R66 | Orthoboric acid, sodium salt                                                                                                                                                                                 | Annex2-40            | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R67 | 4-Nonylphenol, branched and linear                                                                                                                                                                           | Annex2-41            | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R68 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol                                                                                                                                                                 | 119-47-1             | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R69 | Perfluoroalkyl and polyfluoroalkyl substances (PFAS)                                                                                                                                                         | Annex2-44            | All                                                                               | Report the content                                                                 | Includes uses other than those of P65.        | 44                                   |
| R70 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]                                                                                                                                                     | 37853-59-1           | All                                                                               | 0.1%(1000ppm)                                                                      | Includes uses other than those of P39,P69,S6. | 6                                    |
| R71 | 2,2',6,6'-tetrabromo-4,4'-isopropylidene diphenol                                                                                                                                                            | 79-94-7              | All                                                                               | 0.1%(1000ppm)                                                                      | Also listed as a S5.                          | 6                                    |
| R72 | 4,4'-sulphonyldiphenol                                                                                                                                                                                       | 80-09-1              | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R73 | Barium diboron tetraoxide                                                                                                                                                                                    | 13701-59-2           | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R74 | Bis(2-ethylhexyl) tetrabromophthalate                                                                                                                                                                        | Annex2-45            | All                                                                               | 0.1%(1000ppm)                                                                      | Includes uses other than those of P39,P69,S7. | 6                                    |
| R75 | Isobutyl 4-hydroxybenzoate                                                                                                                                                                                   | 4247-02-3            | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R76 | Melamine                                                                                                                                                                                                     | 108-78-1             | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R77 | Perfluoroheptanoic acid and its salts                                                                                                                                                                        | Annex2-46            | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R78 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine                                                | EC number: 473-390-7 | All                                                                               | 0.1%(1000ppm)                                                                      |                                               | 6                                    |
| R79 | Cadmium/Cadmium compounds                                                                                                                                                                                    | Annex2-1             | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P1 prohibited substances.          | 6                                    |
| R80 | Mercury/Mercury Compounds                                                                                                                                                                                    | Annex2-4             | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P3 prohibited substances.          | 6                                    |
| R81 | Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)                                                                                                                                              | 1163-19-5            | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P6 prohibited substances.          | 6                                    |
| R82 | Bis(tributyltin) oxide (TBTO)                                                                                                                                                                                | 56-35-9              | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P9 prohibited substances.          | 6                                    |
| R83 | Alkanes, C10-13, chloro (Short Chain Chlorinated                                                                                                                                                             | Annex2-13            | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P14 prohibited substances.         | 6                                    |
| R84 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                         | 3846-71-7            | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P21 prohibited substances.         | 6                                    |
| R85 | Benzyl butyl phthalate (BBP)                                                                                                                                                                                 | 85-68-7              | All                                                                               | 0.1%(1000ppm)                                                                      | Except for P26 prohibited substances.         | 6                                    |

|      | Substance                                                                                                                    | CAS No.      | Application for Substances | Control limit and threshold<br>(Contents in article unless<br>otherwise specified) | Remarks                               | Reference<br>laws and<br>regulations |
|------|------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|
| R86  | Dibutyl phthalate (DBP)                                                                                                      | 84-74-2      | All                        | 0.1%(1000ppm)                                                                      | Except for P27 prohibited substances. | 6                                    |
| R87  | Bis (2-ethylhexyl) phthalate (DEHP)                                                                                          | 117-81-7     | All                        | 0.1%(1000ppm)                                                                      | Except for P28 prohibited substances. | 6                                    |
| R88  | Diisobutyl phthalate (DIBP)                                                                                                  | 84-69-5      | All                        | 0.1%(1000ppm)                                                                      | Except for P29 prohibited substances. | 6                                    |
| R89  | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | Annex2-25    | All                        | 0.1%(1000ppm)                                                                      | Except for P31 prohibited substances. | 6                                    |
| R90  | bis(4-chlorophenyl) sulphone(BPFE)                                                                                           | 80-07-9      | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R91  | diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide(DPTPO)                                                                       | 75980-60-8   | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R92  | 2,4,6-tri-tert-butylphenol                                                                                                   | 732-26-3     | All                        | 0.1%(1000ppm)                                                                      | Except for P64 prohibited substances. | 6                                    |
| R93  | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)                                                         | 3147-75-9    | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R94  | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one                                         | 119344-86-4  | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R95  | Bumetizole (UV-326)                                                                                                          | 3896-11-5    | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R96  | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol                                               | Annex2-50    | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R98  | Bis( $\alpha,\alpha$ -dimethylbenzyl) peroxide                                                                               | 80-43-3      | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R99  | Diisooctyl phthalate (DIOP)                                                                                                  | 27554-26-3   | All                        | 0.1%(1000ppm)                                                                      |                                       | 48                                   |
| R100 | Colecalciferol                                                                                                               | 67-97-0      | All                        | 0.1%(1000ppm)                                                                      |                                       | 48                                   |
| R101 | Triphenyl phosphate(TPP)                                                                                                     | 115-86-6     | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R102 | Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives                                           | 192268-65-8  | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R103 | Perfluamine                                                                                                                  | 338-83-0     | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R104 | Octamethyltrisiloxane                                                                                                        | 107-51-7     | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R105 | O,O,O-triphenyl phosphorothioate                                                                                             | 597-82-0     | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R106 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid                                            | 2156592-54-8 | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R107 | Dibutyltin (DBT) compounds                                                                                                   | Annex2-15    | All                        | 0.1%(1000ppm)                                                                      | Except for P7 prohibited substances.  | 6                                    |
| R108 | Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA                                                        | Annex2-31    | All                        | 0.1%(1000ppm)                                                                      | Except for P33 prohibited substances. | 6                                    |
| R109 | 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane (M3T)                                                           | 17928-28-8   | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R110 | Decamethyltetrasiloxane (L4)                                                                                                 | 141-62-8     | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |
| R111 | Decabromo-diphenyl-ethane {1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]} (DBDPE)                                             | 84852-53-9   | All                        | 0.1%(1000ppm)                                                                      | Also listed as a S4.                  | 6                                    |
| R112 | 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene] diphenol (Bisphenol AF) and its salts                                   | 付表2-55       | All                        | 0.1%(1000ppm)                                                                      |                                       | 6                                    |

| Classification | Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Expiration                                                                                               |                                                        |                                               |                                               |                                               |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Category 1-7,10                                                                                          | Category 8,9                                           |                                               |                                               | Category 11                                   |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                          | medical devices and monitoring and control instruments | in vitro diagnostic medical devices           | industrial monitoring and control instruments |                                               |
| 1(f)- I        | Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg                                                                                                                                                                                                                                                                                                                                                                           | Requested for Renewal (Former Date 2027.2.24 )                                                           |                                                        |                                               |                                               |                                               |
| 2(b)(4)- I     | Mercury in other fluorescent lamps not exceeding (per lamp): Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg                                                                                                                                                                                                                                                                                                                                                                                     | Requested for Renewal (Former Date 2025.2.24 )                                                           |                                                        |                                               |                                               |                                               |
| 2(b)(4)- II    | Mercury in other fluorescent lamps not exceeding (per lamp): Lamps emitting mainly light in the ultraviolet spectrum: 15 mg                                                                                                                                                                                                                                                                                                                                                                                                          | 2027.2.24                                                                                                |                                                        |                                               |                                               |                                               |
| 2(b)(4)- III   | Mercury in other fluorescent lamps not exceeding (per lamp): Emergency lamps: 15 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2027.2.24                                                                                                |                                                        |                                               |                                               |                                               |
| 4(a)- I        | Mercury in low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: up to 15 mg mercury may be used per lamp                                                                                                                                                                                                                                                                                                                   | Requested for Renewal (Former Date 2027.2.24 )                                                           |                                                        |                                               |                                               |                                               |
| 4(b)           | Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index $R_a > 80$ : $P \leq 105$ W: 16 mg may be used per burner                                                                                                                                                                                                                                                                                                                      | 2027.2.24                                                                                                |                                                        |                                               |                                               |                                               |
| 4(c)-I         | Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): $P \leq 155$ W:20mg                                                                                                                                                                                                                                                                                                                                                                                                   | 2027.2.24                                                                                                |                                                        |                                               |                                               |                                               |
| 4(c)-II        | Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): $155$ W < $P \leq 405$ W: 25 mg                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                          |                                                        |                                               |                                               |                                               |
| 4(c)-III       | Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): $P > 405$ W: 25 mg                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          |                                                        |                                               |                                               |                                               |
| 4(e)           | Mercury in metal halide lamps (MH)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2027.2.24                                                                                                |                                                        |                                               |                                               |                                               |
| 4(f)- I        | Mercury in other discharge lamps for special purposes not specifically mentioned                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Requested for Renewal (Former Date 2025.2.24 )                                                           |                                                        |                                               |                                               |                                               |
| 4(f)- II       | Mercury in high pressure mercury vapour lamps used in projectors where an output $\geq 2000$ lumen ANSI is required                                                                                                                                                                                                                                                                                                                                                                                                                  | Requested for Renewal (Former Date 2027.2.24 )                                                           |                                                        |                                               |                                               |                                               |
| 4(f)-III       | Mercury in high pressure sodium vapour lamps used for horticulture lighting                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2027.2.24                                                                                                |                                                        |                                               |                                               |                                               |
| 4(f)-IV        | Mercury in lamps emitting light in the ultraviolet spectrum                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Requested for Renewal (Former Date 2027.2.24 )                                                           |                                                        |                                               |                                               |                                               |
| 5(b)           | Lead in fluorescent tube glass not to exceeding 0.2 % by weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Requested for Renewal (Former Date 2016.7.21)                                                            |                                                        |                                               |                                               |                                               |
| 6(a)           | Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 % lead by weight                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                          | 2026.12.11                                             | 2026.12.11                                    | 2026.12.11                                    | 2026.12.11                                    |
| 6(a)- I        | Lead as an alloying element in steel for machining purposes containing up to 0.35 % lead by weight                                                                                                                                                                                                                                                                                                                                                                                                                                   | Requested for Renewal (Former Date 2027.6.30)                                                            | Requested for Renewal (Former Date 2027.6.30)          | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) |
| 6(a)- II       | Lead as an alloying element in batch hot-dip galvanised steel components containing up to 0.2 % lead by weight                                                                                                                                                                                                                                                                                                                                                                                                                       | Requested for Renewal (Former Date 2027.6.30)                                                            | Requested for Renewal (Former Date 2027.6.30)          | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) |
| 6(b)           | Lead as an alloying element in aluminium containing up to 0.4 % lead by weight                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                          | 2027.6.11                                              | 2027.6.11                                     | 2027.6.11                                     | 2027.6.11                                     |
| 6(b)- I        | Lead as an alloying element in aluminium containing up to 0.4 % lead by weight, provided it stems from lead-bearing aluminium scrap recycling                                                                                                                                                                                                                                                                                                                                                                                        | 2026.12.11                                                                                               |                                                        |                                               | 2027.6.30                                     | 2027.6.30                                     |
| 6(b)- II       | Lead as an alloying element in aluminium for machining purposes with a lead content up to 0.4 % by weight                                                                                                                                                                                                                                                                                                                                                                                                                            | 2027.6.11                                                                                                |                                                        |                                               | 2027.6.30                                     | Requested for Renewal (Former Date 2027.6.30) |
| 6(b)-III       | Lead as an alloying element in aluminium casting alloys containing up to 0.3 % lead by weight provided it stems from lead-bearing aluminium scrap recycling                                                                                                                                                                                                                                                                                                                                                                          | Requested for Renewal (Former Date 2027.6.30)                                                            |                                                        |                                               | Requested for Renewal (Former Date 2027.6.30) |                                               |
| 6(c)           | Copper alloy containing up to 4 % lead by weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Requested for Renewal (Former Date 2027.6.30)                                                            | Requested for Renewal (Former Date 2027.6.30)          | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) |
| 7(a)           | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)                                                                                                                                                                                                                                                                                                                                                                                                                        | Requested for Renewal (Former Date 2027.6.30) (excluding applications covered by point 24 of this Annex) | Requested for Renewal (Former Date 2027.6.30)          | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) | Requested for Renewal (Former Date 2027.6.30) |
| 7(a)- I        | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for internal interconnections for attaching die, or other components along with a die in semiconductor assembly with steady state or transient/impulse currents of 0,1 A or greater or blocking voltages beyond 10 V, or die edge sizes larger than 0,3 mm × 0,3 mm                                                                                                                                                    | 2027.12.31 (excluding applications covered by point 24 of this Annex)                                    | 2027.12.31                                             | 2027.12.31                                    | 2027.12.31                                    | 2027.12.31                                    |
| 7(a)- II       | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for integral (meaning internal and external) connections of die attach in electrical and electronic components, if all the following conditions are met: — the thermal conductivity of the cured/sintered die-attach material is $> 35$ W/(m × K), — the electrical conductivity of the cured/sintered die-attach material is $> 4,7$ MS/m, — solidus melting temperature is higher than 260 °C                        | 2027.12.31 (excluding applications covered by point 24 of this Annex)                                    | 2027.12.31                                             | 2027.12.31                                    | 2027.12.31                                    | 2027.12.31                                    |
| 7(a)-III       | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) in first level solder joints (internal or integral connections – meaning internal and external) for manufacturing components so that subsequent mounting of electronic components onto subassemblies (i.e. modules, sub-circuit boards, substrates, or point-to-point soldering) with a secondary solder does not reflow the first level solder. This sub-entry excludes die attach applications and hermetic sealings | 2027.12.31 (excluding applications covered by point 24 of this Annex)                                    | 2027.12.31                                             | 2027.12.31                                    | 2027.12.31                                    | 2027.12.31                                    |
| 7(a)-IV        | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) in second level solder joints for the attachment of components to printed circuit board or lead frames:<br>(1) in solder balls for the attachment of ceramic ball-grid- array (BGA);<br>(2) in high temperature plastic overmouldings ( $> 220$ °C)                                                                                                                                                                    | 2027.12.31 (excluding applications covered by point 24 of this Annex)                                    | 2027.12.31                                             | 2027.12.31                                    | 2027.12.31                                    | 2027.12.31                                    |

| Classification | Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Expiration                                                                                                                           |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Category 1-7,10                                                                                                                      | Category 8,9                                                                                                 |                                                                                                              |                                                                                                              | Category 11                                                                                                  |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | medical devices and monitoring and control instruments                                                                               | in vitro diagnostic medical devices                                                                          | industrial monitoring and control instruments                                                                |                                                                                                              |                                                                                                              |
| 7(a)-V         | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) as a hermetic sealing material between:<br>(1) a ceramic package or plug and a metal case;<br>(2) component terminations and an internal sub-part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2027.12.31<br>(excluding applications covered by point 24 of this Annex)                                                             | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   |
| 7(a)-VI        | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for establishing electrical connections between lamp components in incandescent reflector lamps for infrared heating, high intensity discharge lamps, or oven lamps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2027.12.31<br>(excluding applications covered by point 24 of this Annex)                                                             | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   |
| 7(a)-VII       | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) for audio transducers where the peak operating temperature exceeds 200 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2027.12.31<br>(excluding applications covered by point 24 of this Annex)                                                             | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   |
| 7(c)-I         | Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requested for Renewal<br>(Former Date 2027.6.30)                                                                                     | Requested for Renewal<br>(Former Date 2027.6.30)                                                             | Requested for Renewal<br>(Former Date 2027.6.30)                                                             | Requested for Renewal<br>(Former Date 2027.6.30)                                                             | Requested for Renewal<br>(Former Date 2027.6.30)                                                             |
| 7(c)-II        | Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2027.12.31<br>(except applications covered by 7(c)-I or 7(c)-IV)                                                                     | 2027.12.31<br>(except applications covered by 7(c)-I or 7(c)-IV)                                             | 2027.12.31<br>(except applications covered by 7(c)-I or 7(c)-IV)                                             | 2027.12.31<br>(except applications covered by 7(c)-I or 7(c)-IV)                                             | 2027.12.31<br>(except applications covered by 7(c)-I or 7(c)-IV)                                             |
| 7(c)-V         | Electrical and electronic components containing lead in a glass or glass matrix compound that fulfils any of the following functions: (1) for protection and electrical insulation in glass beads of high-voltage diodes and glass layers for wafers; (2) for hermetic sealing between ceramic, metal and/or glass parts; (3) for bonding purposes in a process parameter window for < 500 °C combined with a viscosity of 1 013,3 dPas ('glass-transition temperature'); (4) for use as a resistive material such as ink, with a resistivity range from 1 ohm/square to 100 megohm/square, excluding trimmer potentiometers; (5) for use in chemically modified glass surfaces for microchannel plates (MCPs), channel electron multipliers (CEMs) and resistive glass products (RGPs). | 2027.12.31                                                                                                                           | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   | 2027.12.31                                                                                                   |
| 7(c)-VI        | Electrical and electronic components containing lead in a ceramic that fulfils any of the following functions: (1) for use in piezoelectric lead zirconium titanate (PZT) ceramics; (2) for providing ceramics with a positive temperature coefficient (PTC).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2027.12.31<br>(except applications covered by 7(c)-II, 7(c)-III and 7(c)-IV as well as point 14 of Annex IV)                         | 2027.12.31<br>(except applications covered by 7(c)-II, 7(c)-III and 7(c)-IV as well as point 14 of Annex IV) | 2027.12.31<br>(except applications covered by 7(c)-II, 7(c)-III and 7(c)-IV as well as point 14 of Annex IV) | 2027.12.31<br>(except applications covered by 7(c)-II, 7(c)-III and 7(c)-IV as well as point 14 of Annex IV) | 2027.12.31<br>(except applications covered by 7(c)-II, 7(c)-III and 7(c)-IV as well as point 14 of Annex IV) |
| 8(b)           | Cadmium and its compounds in electrical contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                      | Requested for Renewal<br>(Former Date 2021.7.21)                                                             | Requested for Renewal<br>(Former Date 2023.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             |
| 8(b)-I         | Cadmium and its compounds in electrical contacts used in:<br>•circuit breakers,<br>•thermal sensing controls,<br>•thermal motor protectors (excluding hermetic thermal motor protectors),<br>•AC switches rated at:<br>—6 A and more at 250 V AC and more, or<br>—12 A and more at 125 V AC and more,<br>•DC switches rated at 20 A and more at 18 V DC and more, and<br>•switches for use at voltage supply frequency >= 200 Hz.                                                                                                                                                                                                                                                                                                                                                        | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 9(a)-II        | Up to 0.75 % hexavalent chromium by weight, used as an anticorrosion agent in the cooling solution of carbon steel cooling systems of absorption refrigerators: — designed to operate fully or partly with electrical heater, having an average utilised power input >=75 W at constant running conditions, — designed to fully operate with non-electrical heater                                                                                                                                                                                                                                                                                                                                                                                                                       | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 9(a)-III       | Up to 0,7 % hexavalent chromium by weight, used as an anticorrosion agent in the working fluid of the carbon steel sealed circuit of gas absorption heat pumps for space and water heating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2026.12.31<br>(category 1 only)                                                                                                      |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 13(a)          | Lead in white glasses used for optical applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     | Requested for Renewal<br>(Former Date 2021.7.21)                                                             | Requested for Renewal<br>(Former Date 2023.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             |
| 13(b)          | Cadmium and lead in filter glasses and glasses used for reflectance standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                      | Requested for Renewal<br>(Former Date 2021.7.21)                                                             | Requested for Renewal<br>(Former Date 2023.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             |
| 13(b)-(I)      | Lead in ion coloured optical filter glass types                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 13(b)-(II)     | Cadmium in striking optical filter glass types; excluding applications falling under point 39(b) of this annex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 13(b)-(III)    | Cadmium and lead in glazes used for reflectance standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 15             | Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                      | Requested for Renewal<br>(Former Date 2021.7.21)                                                             | Requested for Renewal<br>(Former Date 2023.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             | Requested for Renewal<br>(Former Date 2024.7.21)                                                             |
| 15(a)          | Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies:<br>- a semiconductor technology node of 90 nm or larger;<br>- a single die of 300 mm <sup>2</sup> or larger in any semiconductor technology node;<br>- stacked die packages with die of 300 mm <sup>2</sup> or larger, or silicon interposers of 300 mm <sup>2</sup> or larger.                                                                                                                                                                                                                                                                                                  | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |
| 18(b)          | Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi <sub>2</sub> O <sub>5</sub> :Pb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Requested for Renewal<br>(Former Date 2021.7.21)                                                                                     | Requested for Renewal<br>(Former Date 2021.7.21)                                                             |                                                                                                              |                                                                                                              |                                                                                                              |
| 18(b)-I        | Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps containing phosphors such as BSP (BaSi <sub>2</sub> O <sub>5</sub> :Pb) when used in medical phototherapy equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Requested for Renewal<br>(Former Date 2021.7.21)<br>Applies to categories 5, excluding applications covered by entry 34 of Annex IV. |                                                                                                              |                                                                                                              |                                                                                                              |                                                                                                              |

| Classification | Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Expiration                                             |                                               |                                               |                                               |                                                                                                                                      |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Category 1-7,10                                        | Category 8,9                                  |                                               |                                               | Category 11                                                                                                                          |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | medical devices and monitoring and control instruments | in vitro diagnostic medical devices           | industrial monitoring and control instruments |                                               |                                                                                                                                      |
| 24             | Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors                                                                                                                                                                                                                                                                                                                                                                                                                                 | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2021.7.21) | Requested for Renewal (Former Date 2023.7.21) | Requested for Renewal (Former Date 2024.7.21) | Requested for Renewal (Former Date 2024.7.21)                                                                                        |
| 29             | Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC                                                                                                                                                                                                                                                                                                                                                                                                                                        | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |                                               | Requested for Renewal (Former Date 2024.7.21)                                                                                        |
| 32             | Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2021.7.21) |                                               | Requested for Renewal (Former Date 2024.7.21) |                                                                                                                                      |
| 34             | Lead in cermet-based trimmer potentiometer elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2021.7.21) | Requested for Renewal (Former Date 2023.7.21) | Requested for Renewal (Former Date 2024.7.21) |                                                                                                                                      |
| 39(a)          | Cadmium selenide in downshifting cadmium-based semiconductor nanocrystal quantum dots for use in display lighting applications (< 0,2 µg Cd per mm <sup>2</sup> of display screen area)                                                                                                                                                                                                                                                                                                                                                             | 2025.11.21 Expired                                     | 2025.11.21 Expired                            | 2025.11.21 Expired                            | 2025.11.21 Expired                            | 2025.11.21 Expired                                                                                                                   |
| 39(b)          | Cadmium in downshifting semiconductor nanocrystal quantum dots directly deposited on LED semiconductor chips for use in display and projection applications (< 5 µg Cd per mm <sup>2</sup> of LED chip surface) with a maximum amount per device of 1 mg                                                                                                                                                                                                                                                                                            | 2027.12.31                                             | 2027.12.31                                    | 2027.12.31                                    | 2027.12.31                                    | 2027.12.31                                                                                                                           |
| 42             | Lead in bearings and bushes of diesel or gaseous fuel powered internal combustion engines applied in non-road professional use equipment:<br>with engine total displacement >=15 litres; or<br>with engine total displacement < 15 litres and the engine is designed to operate in applications where the time between signal to start and full load is required to be less than 10 seconds; or<br>regular maintenance is typically performed in a harsh and dirty outdoor environment, such as mining, construction, and agriculture applications. |                                                        |                                               |                                               |                                               | Requested for Renewal (Former Date 2024.7.21)<br>Applies to category 11, excluding applications covered by entry 6(c) of this Annex. |
| 44             | Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of the European Parliament and of the Council (*), installed in equipment used at fixed positions while in operation which is designed for professionals, but also used by non-professional users                                                                                                                                                                                                                |                                                        |                                               |                                               |                                               | Requested for Renewal (Former Date 2024.7.21)                                                                                        |
| 45             | Lead diazide, lead styphnate, lead dipicramate, orange lead (lead tetroxide), lead dioxide in electric and electronic initiators of explosives for civil (professional) use and barium chromate in long time pyrotechnic delay charges of electric initiators of explosives for civil (professional) use.                                                                                                                                                                                                                                           |                                                        |                                               |                                               |                                               | Requested for Renewal (Former Date 2026.4.20)                                                                                        |
| 46             | Cadmium and lead in plastic frames containing recycled rigid PVC for electrically-electronic windows and doors (from 28 May 2026, rigid PVC recycled from electrically-electronic windows and doors can only be used for the production of new products).                                                                                                                                                                                                                                                                                           |                                                        |                                               |                                               |                                               | 2028.5.28                                                                                                                            |

| Classification                                      | Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Expiration                                             |                                               |                                               |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Category 8,9                                           |                                               |                                               |
|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | medical devices and monitoring and control instruments | in vitro diagnostic medical devices           | industrial monitoring and control instruments |
| Equipment utilising or detecting ionising radiation |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |                                               |                                               |
| 1                                                   | Lead, cadmium and mercury in detectors for ionising radiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Requested for Renewal (Former Date 2021.7.21)          |                                               | Requested for Renewal (Former Date 2024.7.21) |
| 2                                                   | Lead bearings in X-ray tubes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 3                                                   | Lead in electromagnetic radiation amplification devices: micro-channel plate and capillary plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2023.7.21) | Requested for Renewal (Former Date 2024.7.21) |
| 4                                                   | Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert electromagnetic radiation into electrons                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                                               | Requested for Renewal (Former Date 2024.7.21) |
| 5                                                   | Lead in shielding for ionising radiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Requested for Renewal (Former Date 2021.7.21)          |                                               | Requested for Renewal (Former Date 2024.7.21) |
| Sensors, detectors and electrodes                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |                                               |                                               |
| 1(a)                                                | Lead and cadmium in ion selective electrodes including glass of pH electrodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2023.7.21) | Requested for Renewal (Former Date 2024.7.21) |
| 1(b)                                                | Lead anodes in electrochemical oxygen sensors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Requested for Renewal (Former Date 2021.7.21)          |                                               | Requested for Renewal (Former Date 2024.7.21) |
| 1(c)                                                | Lead, cadmium and mercury in infra-red light detectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2023.7.21) | Requested for Renewal (Former Date 2024.7.21) |
| Others                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |                                               |                                               |
| 9                                                   | Cadmium in helium-cadmium lasers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                        |                                               | Requested for Renewal (Former Date 2024.7.21) |
| 10                                                  | Lead and cadmium in atomic absorption spectroscopy lamps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                        |                                               | Requested for Renewal (Former Date 2024.7.21) |
| 11                                                  | Lead in alloys as a superconductor and thermal conductor in MRI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 12                                                  | Lead and cadmium in metallic bonds creating superconducting magnetic circuits in MRI, SQUID, NMR (Nuclear Magnetic Resonance) or FTMS (Fourier Transform Mass Spectrometer) detectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Requested for Renewal (Former Date 2021.6.30)          |                                               | Requested for Renewal (Former Date 2021.6.30) |
| 13                                                  | Lead in counterweights                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 14                                                  | Lead in single crystal piezoelectric materials for ultrasonic transducers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 15                                                  | Lead in solders for bonding to ultrasonic transducers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 17                                                  | Lead in solders in portable emergency defibrillators                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 18                                                  | Lead in solders of high performance infrared imaging modules to detect in the range 8-14 µm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 20                                                  | Cadmium in X-ray measurement filters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requested for Renewal (Former Date 2021.7.21)          |                                               |                                               |
| 26                                                  | Lead in the following applications that are used durably at a temperature below – 20 °C under normal operating and storage conditions:<br>(a) solders on printed circuit boards;<br>(b) termination coatings of electrical and electronic components and coatings of printed circuit boards;<br>(c) solders for connecting wires and cables;<br>(d) solders connecting transducers and sensors. Lead in solders of electrical connections to temperature measurement sensors in devices which are designed to be used periodically at temperatures below – 150 °C.                                                                                             | Requested for Renewal (Former Date 2021.6.30)          |                                               | Requested for Renewal (Former Date 2021.6.30) |
| 27(a)<br>27(b)                                      | Lead in solders, termination coatings of electrical and electronic components and printed circuit boards, connections of electrical wires, shields and enclosed connectors, which are used in<br>(a) magnetic fields within the sphere of 1 m radius around the isocentre of the magnet in medical magnetic resonance imaging equipment, including patient monitors designed to be used within this sphere, or<br>(b) magnetic fields within 1 m distance from the external surfaces of cyclotron magnets, magnets for beam transport and beam direction control applied for particle therapy.                                                                 | Requested for Renewal (Former Date 2020.6.30)          | Requested for Renewal (Former Date 2020.6.30) |                                               |
| 27(c)<br>27(d)                                      | (c) MRI non-integrated coils, for which the Declaration of Conformity of this model is issued for the first time before 23 September 2022, or<br>(d) MRI devices including integrated coils, which are used in magnetic fields within the sphere of 1 m radius around the isocentre of the magnet in medical magnetic resonance imaging equipment, for which the Declaration of Conformity is issued for the first time before 30 June 2024.                                                                                                                                                                                                                   | 2027.6.30                                              |                                               |                                               |
| 29                                                  | Lead in alloys, as a superconductor or thermal conductor, used in cryo-cooler cold heads and/or in cryo-cooled cold probes and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments.                                                                                                                                                                                                                                                                                                                                                                                       | Requested for Renewal (Former Date 2021.6.30)          |                                               |                                               |
| 31(a)                                               | Lead, cadmium, hexavalent chromium, and polybrominated diphenyl ethers (PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical devices, or electron microscopes and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business return systems and that each reuse of parts is notified to the customer                                                                                                                                                                                                                               | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2023.7.21) |                                               |
| 37                                                  | Lead in platinumized platinum electrodes used for conductivity measurements where at least one of the following conditions applies:<br>(a) wide-range measurements with a conductivity range covering more than 1 order of magnitude (e.g. range between 0,1 mS/m and 5 mS/m) in laboratory applications for unknown concentrations;<br>(b) measurements of solutions where an accuracy of +/- 1 % of the sample range and where high corrosion resistance of the electrode are required for any of the following:<br>(i) solutions with an acidity < pH 1;<br>(ii) solutions with an alkalinity > pH 13;<br>(iii) corrosive solutions containing halogen gas; |                                                        |                                               | 2025.12.31<br>Expired                         |

| Classification | Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Expiration                                             |                                               |                                                |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------|------------------------------------------------|
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Category 8,9                                           |                                               |                                                |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | medical devices and monitoring and control instruments | in vitro diagnostic medical devices           | industrial monitoring and control instruments  |
| 39             | Lead in micro-channel plates (MCPs) used in equipment where at least one of the following properties is present:<br>(a) a compact size of the detector for electrons or ions, where the space for the detector is limited to a maximum of 3 mm/MCP (detector thickness + space for installation of the MCP), a maximum of 6 mm in total, and an alternative design yielding more space for the detector is scientifically and technically impracticable;<br>(b) a two-dimensional spatial resolution for detecting electrons or ions, where at least one of the following applies:<br>(i) a response time shorter than 25 ns;<br>(ii) a sample detection area larger than 149 mm <sup>2</sup> ;<br>(iii) a multiplication factor larger than $1.3 \times 10^3$ .<br>(c) a response time shorter than 5 ns for detecting electrons or ions;<br>(d) a sample detection area larger than 314 mm <sup>2</sup> for detecting electrons or ions;<br>(e) a multiplication factor larger than $4.0 \times 10^7$ . The exemption expires on the following dates: | Requested for Renewal (Former Date 2021.7.21)          | Requested for Renewal (Former Date 2023.7.21) | Requested for Renewal (Former Date 2024.7.21)  |
| 42             | Mercury in electric rotating connectors used in intravascular ultrasound imaging systems capable of high operating frequency (> 50MHz) modes of operation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2026.6.30                                              |                                               |                                                |
| 44             | Others; Cadmium in radiation tolerant video camera tubes designed for cameras with a centre resolution greater than 450 TV lines which are used in environments with ionising radiation exposure exceeding 100 Gy/hour and a total dose in excess of 100kGy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2027.3.31                                              |                                               | 2027.3.31                                      |
| 45             | Bis(2-ethylhexyl) phthalate (DEHP) in ion-selective electrodes applied in point of care analysis of ionic substances present in human body fluids and/or in dialysate fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2028.7.21                                              |                                               |                                                |
| 46             | Bis(2-ethylhexyl) phthalate (DEHP) in plastic components in MRI detector coils.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                        | Requested for Renewal (Former Date 2024.1.1)  |                                                |
| 47             | Bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical devices, and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business return systems and that each reuse of parts is notified to the customer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        | 2028.7.21                                     |                                                |
| 48             | Lead in bismuth strontium calcium copper oxide (BSCCO) superconductor cables and wires and lead in electrical connections to these wires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2027.6.30                                              | 2027.6.30                                     | 2027.6.30                                      |
| 49             | Mercury in melt pressure transducers for capillary rheometers at temperatures over 300 °C and pressures over 1000 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |                                               | Requested for Renewal (Former Date 2025.12.31) |

## Appendix 1 Annex 2: List of specific substances for reference in substance group

Revision date

16-Oct-2026

| Substance group                                             | Specific substance                                                                                        | CAS No     |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------|
| 1.Cadmium/Cadmium compounds                                 | Cadmium                                                                                                   | 7440-43-9  |
|                                                             | Cadmium oxide                                                                                             | 1306-19-0  |
|                                                             | Cadmium sulfide                                                                                           | 1306-23-6  |
|                                                             | Cadmium hydroxide                                                                                         | 21041-95-2 |
|                                                             |                                                                                                           |            |
| 2.Chromium (VI) Compounds                                   | Pentazinc chromate octahydroxide                                                                          | 49663-84-5 |
|                                                             | Potassium hydroxyoctaoxodizincatedichromate                                                               | 1103-86-9  |
|                                                             | Barium chromate                                                                                           | 10294-40-3 |
|                                                             | Calcium chromate                                                                                          | 13765-19-0 |
|                                                             | Strontium chromate                                                                                        | 7789-06-2  |
|                                                             | Zinc chromate                                                                                             | 13530-65-9 |
|                                                             |                                                                                                           |            |
| 3.Lead/Lead Compounds                                       | Lead                                                                                                      | 7439-92-1  |
|                                                             | Lead (II) sulfate                                                                                         | 7446-14-2  |
|                                                             | Lead (II) carbonate                                                                                       | 598-63-0   |
|                                                             | Trilead bis(carbonate) dihydroxide                                                                        | 1319-46-6  |
|                                                             | Lead (II) acetate, trihydrate                                                                             | 6080-56-4  |
|                                                             | Lead (II) phosphate                                                                                       | 7446-27-7  |
|                                                             | Lead selenide                                                                                             | 12065-00-0 |
|                                                             | Lead (IV) oxide                                                                                           | 1309-60-0  |
|                                                             | Lead (II,IV) oxide                                                                                        | 1314-41-6  |
|                                                             | Lead (II) sulfide                                                                                         | 1314-87-0  |
|                                                             | Lead (II) titanate                                                                                        | 12060-00-3 |
|                                                             | Lead sulfate, sulphuric acid, lead salt                                                                   | 15735-86-7 |
|                                                             | Lead sulphate, tribasic                                                                                   | 12202-17-4 |
|                                                             | Lead stearate                                                                                             | 1072-35-1  |
|                                                             | Lead (II) chromate                                                                                        | 7758-97-6  |
|                                                             | Lead chromate molybdate sulphate red                                                                      | 12656-85-8 |
|                                                             | Lead sulfochromate yellow                                                                                 | 1344-37-2  |
|                                                             | Sulfurous acid, lead salt, dibasic                                                                        | 62229-08-7 |
|                                                             | Trilead dioxide phosphonate                                                                               | 12141-20-7 |
|                                                             | Pyrochlore, antimony lead yellow                                                                          | 8012-00-8  |
|                                                             | Pentalead tetraoxide sulphate                                                                             | 12065-90-6 |
|                                                             | Lead cyanamidate                                                                                          | 20837-86-9 |
|                                                             | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped              | 68784-75-8 |
|                                                             | Lead titanium zirconium oxide                                                                             | 12626-81-2 |
|                                                             | Lead oxide sulfate                                                                                        | 12036-76-9 |
|                                                             | [Phthalato(2-)]dioxotrilead                                                                               | 69011-06-9 |
|                                                             | Dioxobis(stearato)trilead                                                                                 | 12578-12-0 |
|                                                             | Fatty acids, C16-18, lead salts                                                                           | 91031-62-8 |
|                                                             | Lead dinitrate                                                                                            | 10099-74-8 |
| 4.Mercury/Mercury Compounds                                 | Mercury                                                                                                   | 7439-97-6  |
|                                                             | Mercury, chloro(cyclohexylmethyl)-                                                                        | 33631-63-9 |
|                                                             | Mercury (II) chloride                                                                                     | 7487-94-7  |
|                                                             | Mercuric sulfate                                                                                          | 7783-35-9  |
|                                                             | Mercuric nitrate                                                                                          | 10045-94-0 |
|                                                             | Mercuric (II) oxide                                                                                       | 21908-53-2 |
|                                                             | Mercuric sulfide                                                                                          | 1344-48-5  |
|                                                             |                                                                                                           |            |
|                                                             |                                                                                                           |            |
|                                                             |                                                                                                           |            |
| 5.Tri-substituted organostannic compounds                   | Triphenyltin-N, N-dimethyldithiocarbamate                                                                 | 1803-12-9  |
|                                                             | Triphenyltinfluoride                                                                                      | 379-52-2   |
|                                                             | Triphenyltinacetate                                                                                       | 900-95-8   |
|                                                             | Triphenyltinchloride                                                                                      | 639-58-7   |
|                                                             | Triphenyltinhydroxide                                                                                     | 76-87-9    |
|                                                             | Triphenyltin fattyacid((9-11)salt)                                                                        | 18380-71-7 |
|                                                             |                                                                                                           | 18380-72-8 |
|                                                             |                                                                                                           | 47672-31-1 |
|                                                             |                                                                                                           | 94850-90-5 |
|                                                             | Triphenyltinchloroacetate                                                                                 | 7094-94-2  |
|                                                             | Tributyltinmethacrylate                                                                                   | 2155-70-6  |
|                                                             | Bis(tributyltin)fumarate                                                                                  | 6454-35-9  |
|                                                             | Tributyltinfluoride                                                                                       | 1983-10-4  |
|                                                             | Bis(tributyltin)2,3-dibromosuccinate                                                                      | 31732-71-5 |
|                                                             | Tributyltinacetate                                                                                        | 56-36-0    |
|                                                             | Tributyltinlaurate                                                                                        | 3090-36-6  |
|                                                             | Bis(tributyltin)phthalate                                                                                 | 4782-29-0  |
|                                                             | Copolymer of alkyl(c=8) acrylate,methyl methacrylate and tributyltin methacrylate                         | 67772-01-4 |
|                                                             | Tributyltinsulfamate                                                                                      | 6517-25-5  |
|                                                             | Bis(tributyltin)maleate                                                                                   | 14275-57-1 |
|                                                             | Tributyltinchloride                                                                                       | 1461-22-9  |
|                                                             |                                                                                                           | 7342-38-3  |
|                                                             | Tributyltin cyclopentane carbonate=mixture                                                                | 85409-17-2 |
|                                                             | Tributyltin-1, 2,3,4,4a, 4b, 5,6,10,10a-decahydro-7-isopropyl-1, 4a-dimethyl-1-phenanthrenecarboxylatemix | 26239-64-5 |
| 6.Polybrominated biphenyls (PBB)                            | Polybrominated Biphenyls                                                                                  | 59536-65-1 |
|                                                             | Dibromobiphenyl                                                                                           | 92-86-4    |
|                                                             | 2-Bromobiphenyl                                                                                           | 2052-07-5  |
|                                                             | 3-Bromobiphenyl                                                                                           | 2113-57-7  |
|                                                             | 4-Bromobiphenyl                                                                                           | 92-66-0    |
|                                                             | Tribromobiphenyl                                                                                          | 59080-34-1 |
|                                                             | Tetrabromobiphenyl                                                                                        | 40088-45-7 |
|                                                             | Pentabromophenyl                                                                                          | 56307-79-0 |
|                                                             | Hexabromobiphenyl                                                                                         | 59080-40-9 |
|                                                             | hexabromo-1,1-biphenyl                                                                                    | 36355-01-8 |
|                                                             | Firemaster FF-1                                                                                           | 67774-32-7 |
|                                                             | Heptabromobiphenyl                                                                                        | 35194-78-6 |
|                                                             | Octabromobiphenyl                                                                                         | 61288-13-9 |
|                                                             | Nonabiphenyl                                                                                              | 27753-52-2 |
|                                                             | Decabromobiphenyl                                                                                         | 13654-09-6 |
| 7.Polybrominated diphenyl ethers (PBDE)                     | Bromodiphenyl ether                                                                                       | 101-55-3   |
|                                                             | Dibromodiphenyl ethers                                                                                    | 2050-47-7  |
|                                                             | Tri bromodiphenyl ether                                                                                   | 49690-94-0 |
|                                                             | Tetrabromodiphenyl ethers                                                                                 | 40088-47-9 |
|                                                             | Hexabromodiphenyl ether                                                                                   | 36483-60-0 |
|                                                             | Heptabromodiphenylether                                                                                   | 68828-80-3 |
|                                                             | Nonabromodiphenylether                                                                                    | 63936-56-1 |
|                                                             | Decabromodiphenyl ether                                                                                   | 1163-19-5  |
|                                                             | Pentabromodiphenyl ether                                                                                  | 32534-81-9 |
|                                                             | Octabromodiphenyl ether                                                                                   | 32536-52-0 |
|                                                             |                                                                                                           |            |
|                                                             |                                                                                                           |            |
| 8.Polychlorinated biphenyls (PCBs) and specific substitutes | Polychlorinated Biphenyls (all isomers and congeners)                                                     | 1336-36-3  |
|                                                             | Monomethyl-tetrachloro-diphenyl methane                                                                   | 76253-60-6 |
|                                                             | Monomethyl-dichloro-diphenyl methane                                                                      | 81161-70-8 |
|                                                             | Monomethyl-dibromo-diphenyl methane (DBBT)                                                                | 99688-47-8 |
|                                                             |                                                                                                           |            |
| 9.Polychlorinated naphthalenes                              | Naphthalene, chloro derivatives                                                                           | 70776-03-3 |
|                                                             | 1-Chloronaphthalene                                                                                       | 90-13-1    |
|                                                             | 2-Chloronaphthalene                                                                                       | 91-58-7    |

| Substance group                                                  | Specific substance                   | CAS No      |
|------------------------------------------------------------------|--------------------------------------|-------------|
| 9. Polychlorinated naphthalenes                                  | 1,5-Dichloronaphthalene              | 1825-30-5   |
|                                                                  | 1,4-Dichloronaphthalene              | 1825-31-6   |
|                                                                  | 1,2-Dichloronaphthalene              | 2050-69-3   |
|                                                                  | 1,6-Dichloronaphthalene              | 2050-72-8   |
|                                                                  | 1,7-Dichloronaphthalene              | 2050-73-9   |
|                                                                  | 1,8-Dichloronaphthalene              | 2050-74-0   |
|                                                                  | 2,3-Dichloronaphthalene              | 2050-75-1   |
|                                                                  | 2,6-Dichloronaphthalene              | 2065-70-5   |
|                                                                  | 1,3-Dichloronaphthalene              | 2198-75-6   |
|                                                                  | 2,7-Dichloronaphthalene              | 2198-77-8   |
|                                                                  | Chloronaphthalene                    | 25586-43-0  |
|                                                                  | Dichloronaphthalene                  | 28695-88-9  |
|                                                                  | Pentachloronaphthalene               | 1321-64-8   |
|                                                                  | Trichloronaphthalene                 | 1321-65-9   |
|                                                                  | Hexachloronaphthalene                | 1335-87-1   |
|                                                                  | Tetrachloronaphthalene               | 1335-88-2   |
|                                                                  | Perchloronaphthalene                 | 2234-43-1   |
|                                                                  | 1,4,6-Trichloronaphthalene           | 2437-54-9   |
|                                                                  | 1,4,5-Trichloronaphthalene           | 2437-55-0   |
|                                                                  | 1,4,5,8-Tetrachloronaphthalene       | 3432-57-3   |
|                                                                  | 1,2,4,8-Tetrachloronaphthalene       | 6529-87-9   |
|                                                                  | 1,2,3,6,7,8-Hexachloronaphthalene    | 17062-87-2  |
|                                                                  | 1,2,3,4-Tetrachloronaphthalene       | 20020-02-4  |
|                                                                  | 1,3,5,8-Tetrachloronaphthalene       | 31604-28-1  |
|                                                                  | Heptachloronaphthalene               | 32241-08-0  |
|                                                                  | 2,3,6,7-Tetrachloronaphthalene       | 24585-40-4  |
|                                                                  | 1,2,4-Trichloronaphthalene           | 50402-51-2  |
|                                                                  | 1,2,3-Trichloronaphthalene           | 50402-52-3  |
|                                                                  | 1,3,5-Trichloronaphthalene           | 51570-43-5  |
|                                                                  | 1,2,6-Trichloronaphthalene           | 51570-44-6  |
|                                                                  | 1,2,4,6-Tetrachloronaphthalene       | 51570-45-7  |
|                                                                  | 1,2,3,5-Tetrachloronaphthalene       | 53555-63-8  |
|                                                                  | 1,3,5,7-Tetrachloronaphthalene       | 53555-64-9  |
|                                                                  | 1,2,3,5,7-Pentachloronaphthalene     | 53555-65-0  |
|                                                                  | 1,2,5-Trichloronaphthalene           | 55720-33-7  |
|                                                                  | 1,2,7-Trichloronaphthalene           | 55720-34-8  |
|                                                                  | 1,2,8-Trichloronaphthalene           | 55720-35-9  |
|                                                                  | 1,3,6-Trichloronaphthalene           | 55720-36-0  |
|                                                                  | 1,3,7-Trichloronaphthalene           | 55720-37-1  |
|                                                                  | 1,3,8-Trichloronaphthalene           | 55720-38-2  |
|                                                                  | 1,6,7-Trichloronaphthalene           | 55720-39-3  |
|                                                                  | 2,3,6-Trichloronaphthalene           | 55720-40-6  |
|                                                                  | 1,2,3,7-Tetrachloronaphthalene       | 55720-41-7  |
|                                                                  | 1,3,6,7-Tetrachloronaphthalene       | 55720-42-8  |
|                                                                  | 1,4,6,7-Tetrachloronaphthalene       | 55720-43-9  |
|                                                                  | 1,2,3,4,5,6,7-Heptachloronaphthalene | 58863-14-2  |
|                                                                  | 1,2,3,4,5,6,8-Heptachloronaphthalene | 58863-15-3  |
|                                                                  | 1,2,3,4,5,6-Hexachloronaphthalene    | 58877-88-6  |
|                                                                  | 1,2,4,7-Tetrachloronaphthalene       | 67922-21-8  |
|                                                                  | 1,2,5,6-Tetrachloronaphthalene       | 67922-22-9  |
|                                                                  | 1,2,5,7-Tetrachloronaphthalene       | 67922-23-0  |
|                                                                  | 1,2,6,8-Tetrachloronaphthalene       | 67922-24-1  |
|                                                                  | 1,2,3,4,5-Pentachloronaphthalene     | 67922-25-2  |
|                                                                  | 1,2,3,4,6-Pentachloronaphthalene     | 67922-26-3  |
|                                                                  | 1,2,3,4,5,7-Hexachloronaphthalene    | 67922-27-4  |
|                                                                  | 1,2,4,5,6,8-Hexachloronaphthalene    | 90948-28-0  |
|                                                                  | 1,2,4,5,7,8-Hexachloronaphthalene    | 103426-92-2 |
|                                                                  | 1,2,3,4,5,8-Hexachloronaphthalene    | 103426-93-3 |
|                                                                  | 1,2,3,5,7,8-Hexachloronaphthalene    | 103426-94-4 |
|                                                                  | 1,2,3,5,6,8-Hexachloronaphthalene    | 103426-95-5 |
|                                                                  | 1,2,3,4,6,7-Hexachloronaphthalene    | 103426-96-6 |
|                                                                  | 1,2,3,5,6,7-Hexachloronaphthalene    | 103426-97-7 |
|                                                                  | 1,2,3,6-Tetrachloronaphthalene       | 149864-78-8 |
|                                                                  | 1,2,6,7-Tetrachloronaphthalene       | 149864-79-9 |
|                                                                  | 1,2,5,8-Tetrachloronaphthalene       | 149864-80-2 |
|                                                                  | 1,2,3,8-Tetrachloronaphthalene       | 149864-81-3 |
|                                                                  | 1,2,7,8-Tetrachloronaphthalene       | 149864-82-4 |
|                                                                  | 1,2,3,7,8-Pentachloronaphthalene     | 150205-21-3 |
|                                                                  | 1,3,6,8-Tetrachloronaphthalene       | 150224-15-0 |
|                                                                  | 1,2,3,6,7-Pentachloronaphthalene     | 150224-16-1 |
|                                                                  | 1,2,4,6,7-Pentachloronaphthalene     | 150224-17-2 |
|                                                                  | 1,2,3,5,6-Pentachloronaphthalene     | 150224-18-3 |
|                                                                  | 1,2,4,5,7-Pentachloronaphthalene     | 150224-19-4 |
|                                                                  | 1,2,4,5,6-Pentachloronaphthalene     | 150224-20-7 |
|                                                                  | 1,2,4,7,8-Pentachloronaphthalene     | 150224-21-8 |
|                                                                  | 1,2,4,6,8-Pentachloronaphthalene     | 150224-22-9 |
|                                                                  | 1,2,3,6,8-Pentachloronaphthalene     | 150224-23-0 |
|                                                                  | 1,2,3,5,8-Pentachloronaphthalene     | 150224-24-1 |
|                                                                  | 1,2,4,5,8-Pentachloronaphthalene     | 150224-25-2 |
| 10. Asbestos                                                     | Asbestos                             | 1332-21-4   |
|                                                                  | Actinolite                           | 77536-66-4  |
|                                                                  | Amosite (Grunerite)                  | 12172-73-5  |
|                                                                  | Anthophyllite                        | 77536-67-5  |
|                                                                  | Chrysotile                           | 12001-29-5  |
|                                                                  | Crocidolite                          | 12001-28-4  |
|                                                                  | Tremolite                            | 77536-68-6  |
| 11. Azocolourants and Azodyes which form certain aromatic amines | Biphenyl-4-ylamine                   | 92-67-1     |
|                                                                  | Benzidine                            | 92-87-5     |
|                                                                  | 4-chloro-o-toluidine                 | 95-69-2     |
|                                                                  | 2-naphthylamine                      | 91-59-8     |
|                                                                  | o-aminoazotoluene                    | 97-56-3     |
|                                                                  | 5-nitro-o-toluidine                  | 99-55-8     |
|                                                                  | 4-chloroaniline                      | 106-47-8    |
|                                                                  | 4-methoxy-m-phenylenediamine         | 615-05-4    |
|                                                                  | 4,4'-methylenedianiline              | 101-77-9    |
|                                                                  | 3,3'-dichlorobenzidine               | 91-94-1     |
|                                                                  | 3,3'-dimethoxybenzidine              | 119-90-4    |
|                                                                  | 3,3'-dimethylbenzidine               | 119-93-7    |
|                                                                  | 4,4'-methylenedi-o-toluidine         | 838-88-0    |
|                                                                  | 6-methoxy-m-toluidine                | 120-71-8    |
|                                                                  | 4,4'-methylene-bis(2-chloroaniline)  | 101-14-4    |
|                                                                  | 4,4'-oxydianiline                    | 101-80-4    |
|                                                                  | 4,4'-thiodianiline                   | 139-65-1    |
|                                                                  | o-toluidine                          | 95-53-4     |
|                                                                  | 4-methyl-m-phenylenediamine          | 95-80-7     |

| Substance group                                                  | Specific substance                | CAS No      |
|------------------------------------------------------------------|-----------------------------------|-------------|
| 11. Azocolourants and Azodyes which form certain aromatic amines | 2,4,5-trimethylaniline            | 137-17-7    |
|                                                                  | o-anisidine                       | 90-04-0     |
|                                                                  | 4-amino azobenzene                | 60-09-3     |
|                                                                  | C.I. Acid Black 29                | 12217-14-0  |
|                                                                  | C.I. Acid Black 94, C.I.30336     | 6358-80-1   |
|                                                                  | C.I. Acid Black 131               | 12219-01-1  |
|                                                                  | C.I. Acid Black 132               | 12219-02-2  |
|                                                                  | C.I. Acid Black 209               | 72827-68-0  |
|                                                                  | C.I. Acid Black 232, C.I.30334    | -           |
|                                                                  | C.I. Acid Brown 415               | 97199-27-4  |
|                                                                  | C.I. Acid Orange 45, C.I.22195    | 2429-80-3   |
|                                                                  | C.I. Acid Red 4, C.I.14710        | 5858-39-9   |
|                                                                  | C.I. Acid Red 5, C.I.14905        | 5858-63-9   |
|                                                                  | C.I. Acid Red 24, C.I.16140       | 5858-30-0   |
|                                                                  | C.I. Acid Red 35, C.I.18065       | 6441-93-6   |
|                                                                  | C.I. Acid Red 73, C.I.27290       | 5413-75-2   |
|                                                                  | C.I. Acid Red 85, C.I.22245       | 2567-65-5   |
|                                                                  | C.I. Acid Red 104, C.I.26420      | 8006-06-2   |
|                                                                  | C.I. Acid Red 114, C.I.23635      | 6459-94-5   |
|                                                                  | C.I. Acid Red 115, C.I.27200      | 8005-61-6   |
|                                                                  | C.I. Acid Red 116, C.I.26660      | 6245-62-1   |
|                                                                  | C.I. Acid Red 119-1               | 90890-19-4  |
|                                                                  | C.I. Acid Red 128, C.I.24125      | 6548-30-7   |
|                                                                  | C.I. Acid Red 148, C.I.26665      | 6300-53-4   |
|                                                                  | C.I. Acid Red 150, C.I.27190      | 6226-78-4   |
|                                                                  | C.I. Acid Red 158, C.I.20530      | 8004-55-5   |
|                                                                  | C.I. Acid Red 167                 | 61901-41-5  |
|                                                                  | C.I. Acid Red 264, C.I.18133      | 6505-96-0   |
|                                                                  | C.I. Acid Red 265, C.I.18129      | 6358-43-6   |
|                                                                  | C.I. Acid Red 420                 | -           |
|                                                                  | C.I. Acid Violet 12, C.I.18075    | 6625-46-3   |
|                                                                  | C.I. Basic Brown 4, C.I.21010     | 6421-66-9   |
|                                                                  | C.I. Basic Red 42                 | 12221-66-8  |
|                                                                  | C.I. Basic Red 76, C.I.12245      | 68391-30-0  |
|                                                                  | C.I. Basic Red 111, C.I.284240    | 118658-98-3 |
|                                                                  | C.I. Basic Red 114                | -           |
|                                                                  | C.I. Basic Yellow 82              | 71872-38-3  |
|                                                                  | C.I. Basic Yellow 103             | -           |
|                                                                  | C.I. Direct Black 4, C.I.30245    | 2429-83-6   |
|                                                                  | C.I. Direct Black 29, C.I.22580   | 3626-23-1   |
|                                                                  | C.I. Direct Black 38, C.I.20235   | 1937-37-7   |
|                                                                  | C.I. Direct Black 154, C.I.303865 | 37372-50-2  |
|                                                                  | C.I. Direct Blue 1, C.I.24410     | 2610-05-1   |
|                                                                  | C.I. Direct Blue 2, C.I.22590     | 2429-73-4   |
|                                                                  | C.I. Direct Blue 3, C.I.23705     | 2429-72-3   |
|                                                                  | C.I. Direct Blue 6, C.I.22610     | 2602-46-2   |
|                                                                  | C.I. Direct Blue 8, C.I.24140     | 2429-71-2   |
|                                                                  | C.I. Direct Blue 9, C.I.24155     | 6428-98-4   |
|                                                                  | C.I. Direct Blue 10, C.I.24340    | 4198-19-0   |
|                                                                  | C.I. Direct Blue 14, C.I.23850    | 72-57-1     |
|                                                                  | C.I. Direct Blue 15, C.I.24400    | 2429-74-5   |
|                                                                  | C.I. Direct Blue 21, C.I.23710    | 6420-09-3   |
|                                                                  | C.I. Direct Blue 22, C.I.24280    | 2586-57-4   |
|                                                                  | C.I. Direct Blue 25, C.I.23790    | 2150-54-1   |
|                                                                  | C.I. Direct Blue 35, C.I.24145    | 6473-33-2   |
|                                                                  | C.I. Direct Blue 151, C.I.24175   | 110735-25-6 |
|                                                                  | C.I. Direct Blue 160              | 12222-02-5  |
|                                                                  | C.I. Direct Blue 173              | 12235-72-2  |
|                                                                  | C.I. Direct Blue 192              | 71838-51-2  |
|                                                                  | C.I. Direct Blue 215, C.I.24415   | 6771-80-8   |
|                                                                  | C.I. Direct Blue 295, C.I.23820   | 6420-22-0   |
|                                                                  | C.I. Direct Blue 306, C.I.24203   | -           |
|                                                                  | C.I. Direct Brown 1, C.I.30045    | 3811-71-0   |
|                                                                  | C.I. Direct Brown 1:2, C.I.30110  | 2586-58-5   |
|                                                                  | C.I. Direct Brown 2, C.I.22311    | 2429-82-5   |
|                                                                  | C.I. Direct Brown 6, C.I.30140    | 2893-80-3   |
|                                                                  | C.I. Direct Brown 25, C.I.36030   | 33363-87-0  |
|                                                                  | C.I. Direct Brown 27, C.I.31725   | 6360-29-8   |
|                                                                  | C.I. Direct Brown 31, C.I.35660   | 2429-81-4   |
|                                                                  | C.I. Direct Brown 33, C.I.35520   | 1324-87-4   |
|                                                                  | C.I. Direct Brown 51, C.I.31710   | 4623-91-0   |
|                                                                  | C.I. Direct Brown 59, C.I.22345   | 3476-90-2   |
|                                                                  | C.I. Direct Brown 74, C.I.36300   | 8014-91-3   |
|                                                                  | C.I. Direct Brown 79, C.I.30050   | 6483-77-8   |
|                                                                  | C.I. Direct Brown 95, C.I.30145   | 16071-86-6  |
|                                                                  | C.I. Direct Brown 101, C.I.31740  | 3626-29-7   |
|                                                                  | C.I. Direct Brown 154, C.I.30120  | 6360-54-9   |
|                                                                  | C.I. Direct Brown 222, C.I.30368  | 64743-15-3  |
|                                                                  | C.I. Direct Brown 223             | 76930-14-8  |
|                                                                  | C.I. Direct Green 1, C.I.30280    | 3626-28-6   |
|                                                                  | C.I. Direct Green 6, C.I.30295    | 4335-09-5   |
|                                                                  | C.I. Direct Green 8, C.I.30315    | 5422-17-3   |
|                                                                  | C.I. Direct Green 8:1             | 76012-70-9  |
|                                                                  | C.I. Direct Green 85, C.I.30387   | 72390-60-4  |
|                                                                  | C.I. Direct Orange 1, C.I.22370   | 54579-28-1  |
|                                                                  | C.I. Direct Orange 6              | 6637-88-3   |
|                                                                  | C.I. Direct Orange 7, C.I.23380   | 2868-76-0   |
|                                                                  | C.I. Direct Orange 8, C.I.22130   | 2429-79-0   |
|                                                                  | C.I. Direct Orange 10, C.I.23370  | 6405-94-3   |
|                                                                  | C.I. Direct Orange 108, C.I.29173 | 6358-79-8   |
|                                                                  | C.I. Direct Red 1, C.I.22310      | 2429-84-7   |
|                                                                  | C.I. Direct Red 2, C.I.23500      | 992-59-6    |
|                                                                  | C.I. Direct Red 7, C.I.24100      | 2862-75-9   |
|                                                                  | C.I. Direct Red 10, C.I.22145     | 2429-70-1   |
|                                                                  | C.I. Direct Red 13, C.I.22155     | 1937-35-5   |
|                                                                  | C.I. Direct Red 17, C.I.22150     | 2769-07-5   |
|                                                                  | C.I. Direct Red 21, C.I.23560     | 6406-01-5   |
|                                                                  | C.I. Direct Red 22, C.I.23565     | 6448-80-2   |
|                                                                  | C.I. Direct Red 24, C.I.29185     | 6420-44-6   |
|                                                                  | C.I. Direct Red 26, C.I.29190     | 3687-80-7   |
|                                                                  | C.I. Direct Red 28, C.I.22120     | 573-58-0    |
|                                                                  | C.I. Direct Red 37, C.I.22240     | 3530-19-6   |
|                                                                  | C.I. Direct Red 39, C.I.23630     | 6358-80-2   |
|                                                                  | C.I. Direct Red 44, C.I.22500     | 2302-97-8   |
|                                                                  | C.I. Direct Red 46, C.I.23050     | 6548-29-4   |
|                                                                  | C.I. Direct Red 62, C.I.29175     | 6420-43-5   |

| Substance group                                                  | Specific substance                             | CAS No      |
|------------------------------------------------------------------|------------------------------------------------|-------------|
| 11. Azocolourants and Azodyes which form certain aromatic amines | C.I. Direct Red 67, C.I.23505                  | 6598-56-7   |
|                                                                  | C.I. Direct Red 72, C.I.29200                  | 8005-64-9   |
|                                                                  | C.I. Direct Violet 1, C.I.22570                | 2586-60-9   |
|                                                                  | C.I. Direct Violet 4, C.I.22555                | 6472-95-3   |
|                                                                  | C.I. Direct Violet 12, C.I.22550               | 2429-75-6   |
|                                                                  | C.I. Direct Violet 13, C.I.2480                | 13478-92-7  |
|                                                                  | C.I. Direct Violet 21, C.I.23520               | 6426-67-1   |
|                                                                  | C.I. Direct Violet 22, C.I.22480               | 6472-91-9   |
|                                                                  | C.I. Direct Yellow 1, C.I.22250                | 6486-29-9   |
|                                                                  | C.I. Direct Yellow 24, C.I.22010               | 6459-97-8   |
|                                                                  | C.I. Direct Yellow 48, C.I.23660               | 12270-44-9  |
|                                                                  | C.I. Disperse Orange 60                        | 151126-94-2 |
|                                                                  | C.I. Disperse Orange 149                       | 61968-47-6  |
|                                                                  | C.I. Disperse Red 151, C.I.26130               | 64426-35-3  |
|                                                                  | C.I. Disperse Red 221                          | 6300-37-4   |
|                                                                  | C.I. Disperse Yellow 7, C.I.26090              | 6250-23-3   |
|                                                                  | C.I. Disperse Yellow 23, C.I.26070             | 54077-16-6  |
|                                                                  | C.I. Disperse Yellow 56                        | 83929-90-2  |
|                                                                  | C.I. Disperse Yellow 218                       |             |
| 12. Ozone Depleting Substances (ODSs)                            | Trichlorofluoromethane                         | 75-69-4     |
|                                                                  | Dichlorodifluoromethane                        | 75-71-8     |
|                                                                  | Chlorotrifluoromethane                         | 75-72-5     |
|                                                                  | Pentachlorofluoroethane                        | 354-56-3    |
|                                                                  | Tetrachlorodifluoroethane                      | 76-12-0     |
|                                                                  | 1,1,2,2-Tetrachloro-1,2-difluoroethane         | 76-12-0     |
|                                                                  | 1,1,1,2-Tetrachloro-2,2-difluoroethane         | 76-11-9     |
|                                                                  | Trichlorotrifluoroethane                       | 76-13-1     |
|                                                                  | 1,1,2-Trichloro-1,2,2 trifluoroethane          | 76-13-1     |
|                                                                  | 1,1,1-Trichloro-2,2,2 trifluoroethane          | 354-58-5    |
|                                                                  | Dichlorotetrafluoroethane                      | 76-14-2     |
|                                                                  | Monochloropentafluoroethane                    | 76-15-3     |
|                                                                  | Heptachlorofluoropropane                       | 422-78-6    |
|                                                                  |                                                | 135401-87-5 |
|                                                                  | 1,1,1,2,2,3,3-Heptachloro-3-fluoropropane      | 422-78-6    |
|                                                                  | 1,1,1,2,3,3,3-Heptachloro-2-fluoropropane      | 422-81-1    |
|                                                                  | Hexachlorodifluoropropane                      | 3182-26-1   |
|                                                                  | Pentachlorotrifluoropropane                    | 2354-06-5   |
|                                                                  |                                                | 134237-31-3 |
|                                                                  | Tetrachlorotetrafluoropropane                  | 29255-31-0  |
|                                                                  | 1,2,2,3-Tetrachloro-1,1,3,3-tetrafluoropropane | 2268-46-4   |
|                                                                  | 1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane | -           |
|                                                                  | Trichloropentafluoropropane                    | 1599-41-3   |
|                                                                  | 1,2,2-Trichloropentafluoropropane              | 1599-41-3   |
|                                                                  | 1,2,3-Trichloropentafluoropropane              | 76-17-5     |
|                                                                  | 1,1,2-Trichloropentafluoropropane              | -           |
|                                                                  | 1,1,3-Trichloropentafluoropropane              | -           |
|                                                                  | 1,1,1-Trichloropentafluoropropane              | 4259-43-2   |
|                                                                  | Dichlorohexafluoropropane                      | 661-97-2    |
|                                                                  | Chloroheptafluoropropane                       | 422-86-6    |
|                                                                  | Bromochloromethane                             | 74-97-5     |
|                                                                  | Dibromodifluoromethane                         | 75-61-6     |
|                                                                  | Bromochlorodifluoromethane                     | 353-59-3    |
|                                                                  | Bromotrifluoromethane                          | 75-63-8     |
|                                                                  | Dibromotetrafluoroethane                       | 124-73-2    |
|                                                                  | Tetrachloromethane                             | 56-23-5     |
|                                                                  | 1,1,1-Trichloroethane                          | 71-55-6     |
|                                                                  | Bromomethane                                   | 74-83-9     |
|                                                                  | Bromoethane                                    | 74-96-4     |
|                                                                  | Trifluoriodomethane                            | 2314-97-8   |
|                                                                  | Chloromethane                                  | 74-87-3     |
|                                                                  | Dibromofluoromethane                           | 1868-53-7   |
|                                                                  | Bromodifluoromethane                           | 1511-62-2   |
|                                                                  | Bromofluoromethane                             | 373-52-4    |
|                                                                  | Tetrabromofluoroethane                         | 306-80-9    |
|                                                                  | Tribromodifluoroethane                         | -           |
|                                                                  | Dibromotrifluoroethane                         | 354-04-1    |
|                                                                  | Bromotetrafluoroethane                         | 124-72-1    |
|                                                                  | Tribromofluoroethane                           | -           |
|                                                                  | Dibromodifluoroethane                          | 75-82-1     |
|                                                                  | Bromotrifluoroethane                           | 421-06-7    |
|                                                                  | Dibromofluoroethane                            | 358-97-4    |
|                                                                  | Bromodifluoroethane                            | 420-47-3    |
|                                                                  | Bromofluoroethane                              | 762-49-2    |
|                                                                  | Hexabromofluoropropane                         | -           |
|                                                                  | Pentabromodifluoropropane                      | -           |
|                                                                  | Tetrabromotrifluoropropane                     | -           |
|                                                                  | Tribromotetrafluoropropane                     | -           |
|                                                                  | Dibromopentafluoropropane                      | 431-78-7    |
|                                                                  | Bromohexafluoropropane                         | 431-78-7    |
|                                                                  | Pentabromofluoropropane                        | 2252-78-0   |
|                                                                  | Tetrabromodifluoropropane                      | -           |
|                                                                  | Tribromotrifluoropropane                       | -           |
|                                                                  | Dibromotetrafluoropropane                      | -           |
|                                                                  | Bromopentafluoropropane                        | 460-88-8    |
|                                                                  | Tetrabromofluoropropane                        | -           |
|                                                                  | Tribromodifluoropropane                        | 70192-80-2  |
|                                                                  | Dibromotrifluoropropane                        | 431-21-0    |
|                                                                  | Bromotetrafluoropropane                        | 679-84-5    |
|                                                                  | Tribromofluoropropane                          | 75372-14-4  |
|                                                                  | Dibromodifluoropropane                         | 460-25-3    |
|                                                                  | Bromotrifluoropropane                          | 421-46-5    |
|                                                                  | Dibromofluoropropane                           | 51584-26-0  |
|                                                                  | Bromodifluoropropane                           | -           |
|                                                                  | Bromofluoropropane                             | 1871-72-3   |
|                                                                  | Dichlorodifluoromethane                        | 75-43-4     |
|                                                                  | Chlorodifluoromethane                          | 75-45-6     |
|                                                                  | Chlorofluoromethane                            | 593-70-4    |
|                                                                  | Tetrachlorofluoroethane                        | 134237-32-4 |
|                                                                  | 1,1,2,2-Tetrachloro-1-fluoroethane             | 354-14-3    |
|                                                                  | 1,1,1,2-Tetrachloro-2-fluoroethane             | 354-11-0    |
|                                                                  | Trichlorodifluoroethane                        | 41834-16-6  |
|                                                                  | 1,2,2-Trichloro-1,1-difluoroethane             | 354-21-2    |
|                                                                  | 1,1,2-Trichloro-1,2-difluoroethane             | 354-15-4    |
|                                                                  | 1,1,1-Trichloro-2,2-difluoroethane             | 354-12-1    |

| Substance group                      | Specific substance                                                                                                                               | CAS No        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 12.Ozone Depleting Substances (ODSs) | Dichlorotrifluoroethane                                                                                                                          | 34077-87-7    |
|                                      | 1,1-Dichloro-2,2,2-trifluoroethane                                                                                                               | 306-83-2      |
|                                      | 1,2-Dichloro-1,1,2-trifluoroethane                                                                                                               | 354-23-4      |
|                                      |                                                                                                                                                  | 90454-18-5    |
|                                      | 1,1-Dichloro-1,2,2-trifluoroethane                                                                                                               | 812-04-4      |
|                                      | Chlorotetrafluoroethane                                                                                                                          | 63938-10-3    |
|                                      | 2-chloro-1,1,1,2-tetrafluoroethane                                                                                                               | 2837-89-0     |
|                                      | 1-chloro-1,1,2,2-tetrafluoroethane                                                                                                               | 354-25-6      |
|                                      | Trichlorofluoroethane                                                                                                                            | 27154-33-2;   |
|                                      |                                                                                                                                                  | (134237-34-6) |
|                                      | 1,1,2-Trichloro-2-fluoroethane                                                                                                                   | 359-28-4      |
|                                      | 1,1,2-Trichloro-1-fluoroethane                                                                                                                   | 811-95-0      |
|                                      | 1,1,1-Trichloro-2-fluoroethane                                                                                                                   | 2366-36-1     |
|                                      | Dichlorodifluoroethane                                                                                                                           | 25915-78-0    |
|                                      | 1,2-Dichloro-1,2-difluoroethane                                                                                                                  | 431-06-1      |
|                                      | 1,1-Dichloro-2,2-difluoroethane                                                                                                                  | 471-43-2      |
|                                      | 1,2-Dichloro-1,1-difluoroethane                                                                                                                  | 1649-08-7     |
|                                      | 1,1-Dichloro-1,2-difluoroethane                                                                                                                  | 1842-05-3     |
|                                      | Chlorotrifluoroethane                                                                                                                            | 1330-45-6     |
|                                      |                                                                                                                                                  | 431-07-2      |
|                                      | 1-Chloro-1,2,2-trifluoroethane                                                                                                                   | 1330-45-6     |
|                                      | 2-Chloro-1,1,1-trifluoroethane                                                                                                                   | 75-88-7       |
|                                      | 1-Chloro-1,1,2-trifluoroethane                                                                                                                   | 421-04-5      |
|                                      | Dichlorofluoroethane                                                                                                                             | 1717-00-6;    |
|                                      |                                                                                                                                                  | (25167-88-8)  |
|                                      | 1,2-Dichloro-1-fluoroethane                                                                                                                      | 430-57-9      |
|                                      | 1,1-Dichloro-2-fluoroethane                                                                                                                      | 430-53-5      |
|                                      | 1,1-Dichloro-1-fluoroethane                                                                                                                      | 1717-00-6     |
|                                      | Chlorodifluoroethane                                                                                                                             | 25497-29-4    |
|                                      | 2-Chloro-1,1-Difluoroethane                                                                                                                      | 338-65-8      |
|                                      | 1-Chloro-1,1-difluoroethane                                                                                                                      | 75-68-3       |
|                                      | 1-Chloro-1,2-difluoroethane                                                                                                                      | 338-64-7      |
|                                      | Chlorofluoroethane                                                                                                                               | 110587-14-9   |
|                                      | 1-Chloro-2-fluoroethane                                                                                                                          | 762-50-5      |
|                                      | 1-Chloro-1-fluoroethane                                                                                                                          | 1615-75-4     |
|                                      | Hexachlorofluoropropane                                                                                                                          | 134237-35-7   |
|                                      |                                                                                                                                                  | 29470-94-8    |
|                                      | 1,1,1,2,2,3-Hexachloro-3-fluoropropane                                                                                                           | 422-26-4      |
|                                      | Pentachlorodifluoropropane                                                                                                                       | 134237-36-8   |
|                                      | 1,1,1,3,3-pentachloro-2,2-difluoropropane                                                                                                        | 422-49-1      |
|                                      | 1,2,2,3,3-pentachloro-1,1-difluoropropane                                                                                                        | 422-30-0      |
|                                      | Tetrachlorotrifluoropropane                                                                                                                      | 134237-37-9   |
|                                      | 1,1,3,3-Tetrachloro-1,2,2-trifluoropropane                                                                                                       | 422-52-6      |
|                                      | 1,1,1,3-Tetrachloro-2,2,3-trifluoropropane                                                                                                       | 422-50-4      |
|                                      | Trichlorotetrafluoropropane                                                                                                                      | 134237-38-0   |
|                                      | 1,3,3-Trichloro-1,1,2,2-tetrafluoropropane                                                                                                       | 422-54-8      |
|                                      | 1,1,3-Trichloro-1,2,2,3-tetrafluoropropane                                                                                                       | 422-53-7      |
|                                      | 1,1,1-Trichloro-2,2,3,3-tetrafluoropropane                                                                                                       | 422-51-5      |
|                                      | Dichloropentafluoropropane                                                                                                                       | 127564-92-5   |
|                                      | 2,2-Dichloro-1,1,1,3,3-pentafluoropropane                                                                                                        | 128903-21-9   |
|                                      | 2,3-Dichloro-1,1,1,2,3-pentafluoropropane                                                                                                        | 422-48-0      |
|                                      | 1,2-Dichloro-1,1,2,3,3-pentafluoropropane                                                                                                        | 422-44-6      |
|                                      | 3,3-Dichloro-1,1,1,2,2-pentafluoropropane                                                                                                        | 422-56-0      |
|                                      | 1,3-Dichloro-1,1,2,2,3-pentafluoropropane                                                                                                        | 507-55-1      |
|                                      | 1,1-Dichloro-1,2,2,3,3-pentafluoropropane                                                                                                        | 13474-88-9    |
|                                      | 1,2-Dichloro-1,1,3,3,3-pentafluoropropane                                                                                                        | 431-86-7      |
|                                      | 1,3-Dichloro-1,1,2,3,3-pentafluoropropane                                                                                                        | 136013-79-1   |
|                                      | 1,1-Dichloro-1,2,3,3,3-pentafluoropropane                                                                                                        | 111512-56-2   |
|                                      | Chlorohexafluoropropane                                                                                                                          | 134308-72-8   |
|                                      | 2-Chloro-1,1,1,3,3,3-hexafluoro-propane                                                                                                          | 431-87-8      |
|                                      | Pentachlorofluoropropane                                                                                                                         | 134190-48-0   |
|                                      | 1,1,1,2,3-pentachloro-2-fluoro-propane                                                                                                           | 421-94-3      |
|                                      | Tetrachlorodifluoropropane                                                                                                                       | 134237-39-1   |
|                                      | 1,1,1,3-Tetrachloro-3,3-difluoropropane                                                                                                          | 460-89-9      |
|                                      | Trichlorotrifluoropropane                                                                                                                        | 134237-40-4   |
|                                      | 1,1,1-Trichloro-3,3,3-trifluoropropane                                                                                                           | 7125-83-9     |
|                                      | Dichlorotetrafluoropropane                                                                                                                       | 127564-83-4   |
|                                      | 1,2-Dichloro-1,2,3,3-tetrafluoropropane                                                                                                          | 425-94-5      |
|                                      | Chloropentafluoropropane                                                                                                                         | 134237-41-5   |
|                                      | 1-Chloro-1,1,3,3,3-pentafluoropropane                                                                                                            | 460-92-4      |
|                                      | Tetrachlorofluoropropane                                                                                                                         | 134190-49-1   |
|                                      | 1,1,2,3-Tetrachloro-1-fluoropropane                                                                                                              | 666-27-3      |
|                                      | Trichlorodifluoropropane                                                                                                                         | 134237-42-6   |
|                                      | 1,3,3-Trichloro-1,1-difluoropropane                                                                                                              | 460-63-9      |
|                                      | Dichlorotrifluoropropane                                                                                                                         | 134237-43-7   |
|                                      | 1,1-Dichloro-1,2,2-trifluoropropane                                                                                                              | 7125-99-7     |
|                                      | 2,3-Dichloro-1,1,1-trifluoropropane                                                                                                              | 338-75-0      |
|                                      | 3,3-Dichloro-1,1,1-trifluoropropane                                                                                                              | 460-69-5      |
|                                      | Chlorotetrafluoropropane                                                                                                                         | 134190-50-4   |
|                                      | 3-Chloro-1,1,2,2-tetrafluoropropane                                                                                                              | 679-85-6      |
|                                      | 1-Chloro-1,1,2,2-tetrafluoropropane                                                                                                              | 421-75-0      |
|                                      | Trichlorofluoropropane                                                                                                                           | 134190-51-5   |
|                                      | 1,1,3-Trichloro-1-fluoropropane                                                                                                                  | 818-99-5      |
|                                      | 1,1,2-Trichloro-1-fluoropropane                                                                                                                  | 421-41-0      |
|                                      | Dichlorodifluoropropane                                                                                                                          | 134190-52-6   |
|                                      | 1,3-Dichloro-1,1-difluoropropane                                                                                                                 | 819-00-1      |
|                                      | Chlorotrifluoropropane                                                                                                                           | 134237-44-8   |
|                                      | 3-Chloro-1,1,1-trifluoropropane                                                                                                                  | 460-35-5      |
|                                      | Dichlorofluoropropane                                                                                                                            | 134237-45-9   |
|                                      | 1,1-Dichloro-1-fluoropropane                                                                                                                     | 7799-56-6     |
|                                      | 1,2-Dichloro-2-fluoropropane                                                                                                                     | 420-97-3      |
|                                      | Chlorodifluoropropane                                                                                                                            | 134190-53-7   |
|                                      | 1-Chloro-2,2-difluoropropane                                                                                                                     | 420-99-5      |
|                                      | 2-Chloro-1,3-difluoropropane                                                                                                                     | 102738-79-4   |
|                                      | 1-Chloro-1,1-difluoropropane                                                                                                                     | 421-02-3      |
|                                      | Chlorofluoropropane                                                                                                                              | 134190-54-8   |
|                                      | 2-Chloro-2-fluoropropane                                                                                                                         | 420-44-0      |
|                                      | 1-Chloro-1-fluoropropane                                                                                                                         | 430-55-7      |
| 13.Alkanes, C10-13, chloro (SCCP)    | Alkanes, C10-13, chloro                                                                                                                          | 85535-84-8    |
|                                      | Alkanes, C10-12, chloro                                                                                                                          | 108171-26-2   |
|                                      | Alkanes, C12-13, chloro                                                                                                                          | 71011-12-6    |
|                                      | Alkanes, chloro                                                                                                                                  | 61788-76-9    |
|                                      |                                                                                                                                                  |               |
| 14.Perfluorooctane sulfonates (PFOS) | 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)-sulfonyl]amino]ethyl acrylate and vinylidene chloride | 306975-62-2   |
|                                      | Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt                                                                             | 2991-51-7     |
|                                      |                                                                                                                                                  |               |

| Substance group                                                                             | Specific substance                                                                                                                                                                                              | CAS No      |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 15.Dibutyltin(DBT)compounds                                                                 | Dibutyltin oxide                                                                                                                                                                                                | 818-08-6    |
|                                                                                             | Dibutyltin diacetate                                                                                                                                                                                            | 1067-33-0   |
|                                                                                             | Dibutyltin dilaurate                                                                                                                                                                                            | 77-58-7     |
|                                                                                             | Dibutyltin maleate                                                                                                                                                                                              | 78-04-6     |
|                                                                                             | Dibutylbis(2,4-pentanedionato)tin(IV)                                                                                                                                                                           | 22673-19-4  |
| 16.Radioa                                                                                   | Uranium-238                                                                                                                                                                                                     | 7440-61-1   |
|                                                                                             | Radon                                                                                                                                                                                                           | 10043-92-2  |
|                                                                                             | Americium-241                                                                                                                                                                                                   | 14596-10-2  |
|                                                                                             | Thorium-232                                                                                                                                                                                                     | 7440-29-1   |
|                                                                                             | Cesium-137                                                                                                                                                                                                      | 10045-97-3  |
|                                                                                             | Strontium-90                                                                                                                                                                                                    | 10098-97-2  |
| 17.Fluorinated Greenhouse Gases<br>(PFC, SF6, HFC)                                          | Tetrafluoromethane                                                                                                                                                                                              | 75-73-0     |
|                                                                                             | Hexafluoroethane                                                                                                                                                                                                | 76-16-4     |
|                                                                                             | Octafluoropropane                                                                                                                                                                                               | 76-19-7     |
|                                                                                             | Decafluorobutane                                                                                                                                                                                                | 355-25-9    |
|                                                                                             | Dodecafluoropentane                                                                                                                                                                                             | 678-26-2    |
|                                                                                             | Tetradecafluorohexane                                                                                                                                                                                           | 355-42-0    |
|                                                                                             | Octafluorocyclobutane                                                                                                                                                                                           | 115-25-3    |
|                                                                                             | Sulfur Hexafluoride                                                                                                                                                                                             | 2551-62-4   |
|                                                                                             | Trifluoromethane                                                                                                                                                                                                | 75-46-7     |
|                                                                                             | Difluoromethane                                                                                                                                                                                                 | 75-10-5     |
|                                                                                             | Methyl fluoride                                                                                                                                                                                                 | 593-53-3    |
|                                                                                             | 2H,3H-Decafluoropentane                                                                                                                                                                                         | 138495-42-8 |
|                                                                                             | Pentafluoroethane                                                                                                                                                                                               | 354-33-6    |
|                                                                                             | 1,1,2,2-Tetrafluoroethane                                                                                                                                                                                       | 359-35-3    |
|                                                                                             | 1,1,1,2-Tetrafluoroethane                                                                                                                                                                                       | 811-97-2    |
|                                                                                             | 1,1-Difluoroethane                                                                                                                                                                                              | 75-37-6     |
|                                                                                             | 1,1,2-Trifluoroethane                                                                                                                                                                                           | 430-66-0    |
|                                                                                             | 1,1,1-Trifluoroethane                                                                                                                                                                                           | 420-46-2    |
|                                                                                             | 2H-Heptafluoropropane                                                                                                                                                                                           | 431-89-0    |
|                                                                                             | 1,1,1,2,2,3-Hexafluoro-propane                                                                                                                                                                                  | 677-56-5    |
|                                                                                             | 1,1,1,2,3,3-Hexafluoropropane                                                                                                                                                                                   | 431-63-0    |
|                                                                                             | 1,1,1,3,3,3-Hexafluoropropane                                                                                                                                                                                   | 690-39-1    |
|                                                                                             | 1,1,2,2,3-Pentafluoropropane                                                                                                                                                                                    | 679-86-7    |
|                                                                                             | 1,1,1,3,3-Pentafluoropropane                                                                                                                                                                                    | 460-73-1    |
|                                                                                             | 1,1,1,3,3-Pentafluorobutane                                                                                                                                                                                     | 406-58-6    |
| 18.Perchl                                                                                   | Lithium Perchlorate                                                                                                                                                                                             | 7791-03-9   |
|                                                                                             | Ammonium perchlorate                                                                                                                                                                                            | 7790-98-9   |
|                                                                                             | Barium perchlorate                                                                                                                                                                                              | 13465-95-7  |
|                                                                                             | Lead perchlorate                                                                                                                                                                                                | 13637-76-8  |
|                                                                                             | Magnesium Perchlorate                                                                                                                                                                                           | 10034-81-8  |
|                                                                                             | Perchloric acid, cobalt (2+) salt                                                                                                                                                                               | 13455-31-7  |
|                                                                                             | Perchloric acid, mercury(2+) salt                                                                                                                                                                               | 7616-83-3   |
|                                                                                             | Perchloric acid, nickel(2+) salt, hexahydrate                                                                                                                                                                   | 13520-61-1  |
|                                                                                             | Nickel perchlorate                                                                                                                                                                                              | 13637-71-3  |
|                                                                                             | Potassium Perchlorate                                                                                                                                                                                           | 7778-74-7   |
|                                                                                             | Sodium Perchlorate                                                                                                                                                                                              | 7601-89-0   |
|                                                                                             | Thallium(3+) perchlorate                                                                                                                                                                                        | 15596-83-5  |
| 19.Dioctyltin (DOT) compounds                                                               | Dioctyl Tin Oxide                                                                                                                                                                                               | 870-08-6    |
|                                                                                             | Dioctyltin dilaurate                                                                                                                                                                                            | 3648-18-8   |
| 21.Pthalates, Selected Group 2<br>(DIDP, DINP, DNOP)                                        | Diisodecyl phthalate (DIDP)                                                                                                                                                                                     | 26761-40-0  |
|                                                                                             |                                                                                                                                                                                                                 | 68515-49-1  |
|                                                                                             | Diisononyl phthalate (DINP)                                                                                                                                                                                     | 28553-12-0  |
|                                                                                             |                                                                                                                                                                                                                 | 68515-48-0  |
| 22.Brominated flame retardants(other than<br>PBBs,PBDEs and HBCDDs)<br>(including polymers) | Di-n-octyl phthalate (DNOP)                                                                                                                                                                                     | 117-84-0    |
|                                                                                             | Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(14) [Aliphatic/alicyclic brominated compounds]                                                                               | -           |
|                                                                                             | Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(15) [Aliphatic/alicyclic brominated compounds in combination with antimony compounds]                                        | -           |
|                                                                                             | Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(16) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls]                                        | -           |
|                                                                                             | Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(17) [Aromatic brominated compounds excluding brominated diphenyl ether and biphenyls in combination with antimony compounds] | -           |
|                                                                                             | Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(22) [Aliphatic/alicyclic chlorinated and brominated compounds]                                                               | -           |
|                                                                                             | Brominated flame retardant which comes under notation of ISO 1043-4 code number FR(42) [Brominated organic phosphorus compounds]                                                                                | -           |
|                                                                                             | Poly(2,6-dibromo-phenylene oxide)                                                                                                                                                                               | 69882-11-7  |
|                                                                                             | Tetra-decaboro-diphenoxy-benzene                                                                                                                                                                                | 58965-66-5  |
|                                                                                             | 1,2-Bis(2,4,6-tribromo-phenoxy) ethane                                                                                                                                                                          | 37853-59-1  |
|                                                                                             | TBBA, unspecified                                                                                                                                                                                               | 30496-13-0  |
|                                                                                             | TBBA-TBBA-diglycidyl-ether oligomer                                                                                                                                                                             | 70682-74-5  |
|                                                                                             | TBBA carbonate oligomer                                                                                                                                                                                         | 28906-13-0  |
|                                                                                             | TBBA carbonate oligomer, phenoxy end capped                                                                                                                                                                     | 94334-64-2  |
|                                                                                             | TBBA carbonate oligomer, 2,4,6-tribromo-phenol terminated                                                                                                                                                       | 71342-77-3  |
|                                                                                             | TBBA-bisphenol A-phosgene polymer                                                                                                                                                                               | 32844-27-2  |
|                                                                                             | Brominated epoxy resin end-capped with tribromophenol                                                                                                                                                           | 139638-58-7 |
|                                                                                             | Brominated epoxy resin end-capped with tribromophenol                                                                                                                                                           | 135229-48-0 |
|                                                                                             | TBBA bis-(2-hydroxy-ethyl-ether)                                                                                                                                                                                | 4162-45-2   |
|                                                                                             | Tetrabromo-bisphenol S                                                                                                                                                                                          | 39635-79-5  |
|                                                                                             | TBBS-bis-(2,3-dibromo-propyl-ether)                                                                                                                                                                             | 42757-55-1  |
|                                                                                             | 2,4-Dibromo-phenol                                                                                                                                                                                              | 615-58-7    |
|                                                                                             | 2,4,6-tribromo-phenol                                                                                                                                                                                           | 118-79-6    |
|                                                                                             | Pentabromo-phenol                                                                                                                                                                                               | 608-71-9    |
|                                                                                             | 2,4,6-Tribromo-phenyl-allyl-ether                                                                                                                                                                               | 3278-89-5   |
|                                                                                             | Tri-bromo-phenyl-allyl-ether, unspecified                                                                                                                                                                       | 26762-91-4  |
|                                                                                             | Bis(methyl)tetrabromo-phthalate                                                                                                                                                                                 | 55481-60-2  |
|                                                                                             | Bis(2-ethylhexyl)tetrabromo-phthalate                                                                                                                                                                           | 26040-51-7  |
|                                                                                             | 2-Hydroxy-propyl-2-(2-hydroxy-ethoxy)-ethyl-TBP                                                                                                                                                                 | 20566-35-2  |
|                                                                                             | TBPA, glycol-and propylene-oxide esters                                                                                                                                                                         | 75790-69-1  |
|                                                                                             | N,N'-Ethylene -bis-(tetrabromo-phthalimide)                                                                                                                                                                     | 32588-76-4  |
|                                                                                             | Ethylene-bis(5,6-dibromo-norbornane-2,3-dicarboximide)                                                                                                                                                          | 52907-07-0  |
|                                                                                             | 2,3-Dibromo-2-butene-1,4-diol                                                                                                                                                                                   | 3234-02-4   |
|                                                                                             | Dibromo-neopentyl-glycol                                                                                                                                                                                        | 3296-90-0   |
|                                                                                             | Dibromo-propanol                                                                                                                                                                                                | 96-13-9     |
|                                                                                             | Tri-bromo-neopentyl-alcohol                                                                                                                                                                                     | 36483-57-5  |
|                                                                                             | Poly tribromo-styrene                                                                                                                                                                                           | 57137-10-7  |
|                                                                                             | Tri-bromo-styrene                                                                                                                                                                                               | 61368-34-1  |
|                                                                                             | Dibromo-styrene grafted PP                                                                                                                                                                                      | 171091-06-8 |
|                                                                                             | Poly-dibromo-styrene                                                                                                                                                                                            | 31780-26-4  |
|                                                                                             | Bromo-/Chloro-paraffins                                                                                                                                                                                         | 68955-41-9  |
|                                                                                             | Bromo-/Chloro-alpha-olefin                                                                                                                                                                                      | 82600-56-4  |
|                                                                                             | Vinylbromide                                                                                                                                                                                                    | 593-60-2    |
|                                                                                             | Tris-(2,3-dibromo-propyl)-isocyanurate                                                                                                                                                                          | 52434-90-9  |
|                                                                                             | Tris(2,4-Dibromo-phenyl) phosphate                                                                                                                                                                              | 49690-53-3  |
|                                                                                             | Tris(tribromo-neopentyl) phosphate                                                                                                                                                                              | 19186-97-1  |

| Substance group                                                                                                                                                                      | Specific substance                                                                                      | CAS No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------|
| 22.Brominated flame retardants(other than PBBs,PBDEs and HBCDDs) (including polymers)                                                                                                | Chlorinated and brominated phosphate ester                                                              | 125997-20-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
|                                                                                                                                                                                      | Pentabromo-toluene                                                                                      | 87-83-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |            |
|                                                                                                                                                                                      | Pentabromo- benzyl bromide                                                                              | 38521-51-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 1,3-Butadiene homopolymer,brominated                                                                    | 68441-46-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Pentabromo- benzyl- acrylate, monomer                                                                   | 59447-55-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Pentabromo- benzyl- acrylate, polymer                                                                   | 59447-57-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Tribromo- bisphenyl- maleinimide                                                                        | 59789-51-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Tetrabromo- cyclo- octane                                                                               | 31454-48-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 1,2- Dibromo- 4- (1,2 dibromo- ethyl)- cyclo- hexane                                                    | 3322-93-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Tetrabromophthalic acid Na salt                                                                         | 25357-79-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Tetrabromo phthalic anhydride                                                                           | 632-79-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | Octabromo- 1,1,3- trimethyl- 1- phenylindane (FR-1808)                                                  | 155613-93-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
|                                                                                                                                                                                      | 23.Chlorine flame retardants(exempted Short Chain Chlorinated Paraffins) (including polymers)           | Tetrakis(2-chloroethyl)dichloroisopentylidiphosphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 38051-10-4                           |            |
|                                                                                                                                                                                      |                                                                                                         | Tris(1-chloro-2-propyl)phosphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13674-84-5                           |            |
| Tris(2,3-dichloro-1-propyl)phosphate                                                                                                                                                 |                                                                                                         | 66108-37-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
| Tris(1,3-dichloro-2-propyl)phosphate                                                                                                                                                 |                                                                                                         | 13674-87-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
| 24.Polycyclic Aromatic Hydrocarbon(PAH)                                                                                                                                              | Chrysene (CHR)                                                                                          | 218-01-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | Benzo[a]anthracen (BaA)                                                                                 | 56-55-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |            |
|                                                                                                                                                                                      | Benzo[b]fluoranthene (BbF)                                                                              | 205-99-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | Benzo[k]fluoranthene (BkF)                                                                              | 207-08-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | Benzo[a]pyrene (BaP)                                                                                    | 50-32-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |            |
|                                                                                                                                                                                      | Dibenzo[a,h]anthracene (DBA)                                                                            | 53-70-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |            |
|                                                                                                                                                                                      | Benzo[j]fluoranthene (BjF)                                                                              | 205-82-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | Benzo[e]pyrene (BeP)                                                                                    | 192-97-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | 25.Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD) | Hexabromocyclododecane (HBCDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25637-99-4                           |            |
|                                                                                                                                                                                      |                                                                                                         | 1,2,5,6,9,10-hexabromocyclododecane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3194-55-6                            |            |
| Diastereoisomers: α-hexabromocyclododecane                                                                                                                                           |                                                                                                         | 134237-51-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| β-hexabromocyclododecane                                                                                                                                                             |                                                                                                         | 134237-50-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| γ-hexabromocyclododecane                                                                                                                                                             |                                                                                                         | 134237-52-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 26.Specific Ceramic Fibres                                                                                                                                                           | Aluminosilicate Refractory Ceramic Fibres (RCF)                                                         | Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions:<br>a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges.<br>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).<br>c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight                     | —                                    |            |
|                                                                                                                                                                                      | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)                                             | Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions:<br>a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges.<br>b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm).<br>c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight | —                                    |            |
|                                                                                                                                                                                      | 27.Specific borate compounds                                                                            | Boric acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10043-35-3                           |            |
|                                                                                                                                                                                      |                                                                                                         | Borate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11113-50-1                           |            |
|                                                                                                                                                                                      |                                                                                                         | (Disodium tetraborate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1330-43-4                            |            |
|                                                                                                                                                                                      |                                                                                                         | (Disodium tetraborate, decahydrate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12179-04-3                           |            |
|                                                                                                                                                                                      |                                                                                                         | Tetraboron disodium heptaoxide, hydrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1303-96-4                            |            |
|                                                                                                                                                                                      |                                                                                                         | diboron trioxide; boric oxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12267-73-1                           |            |
|                                                                                                                                                                                      |                                                                                                         | 29.Hexahydromethylphthalic anhydride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hexahydromethylphthalic anhydride    | 1303-86-2  |
|                                                                                                                                                                                      |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Hexahydro-4-methylphthalic anhydride | 25550-51-0 |
| Hexahydro-1-methylphthalic anhydride                                                                                                                                                 | 15943-60-9                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |            |
| Hexahydro-3-methylphthalic anhydride                                                                                                                                                 | 48122-14-1                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |            |
|                                                                                                                                                                                      | 57110-29-9                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |            |
| 30.Nonylphenol ethoxylates                                                                                                                                                           | Ethanol, 2-(4-nonylphenoxy)-                                                                            | 104-35-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
|                                                                                                                                                                                      | Isononylphenol ethoxylate                                                                               | 37205-87-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-ω-hydroxy-, branched                                        | 127087-87-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
|                                                                                                                                                                                      | 4-tert-Nonylphenol diethoxylate                                                                         | 156609-10-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
|                                                                                                                                                                                      | Poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-ω-hydroxy-                                                  | 26027-38-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Ethanol, 2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]                                                  | 7311-27-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Ethanol, 2-[2-(4-nonylphenoxy)ethoxy]-                                                                  | 20427-84-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 3,6,9,12,15-Pentaoxaheptadecan-1-ol,17-(4-nonylphenoxy)-                                                | 34166-38-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 3,6,9,12,15,18-Hexaoxaicosan-1-ol, 20-(4-nonylphenoxy)-                                                 | 27942-27-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol,26-(4-nonylphenoxy)-                                         | 14409-72-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 31.Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA                                | Pentadecafluorooctanoic acid (PFOA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 335-67-1                             |            |
|                                                                                                                                                                                      |                                                                                                         | Ammonium pentadecafluorooctanoate (APFO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3825-26-1                            |            |
|                                                                                                                                                                                      |                                                                                                         | Sodium pentadecafluorooctanoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 335-95-5                             |            |
|                                                                                                                                                                                      |                                                                                                         | Potassium pentadecafluorooctanoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2395-00-8                            |            |
| Silver pentadecafluorooctanoate                                                                                                                                                      |                                                                                                         | 335-93-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
| Pentadecafluorooctanoyl fluoride                                                                                                                                                     |                                                                                                         | 335-66-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
| Methyl pentadecafluorooctanoate                                                                                                                                                      |                                                                                                         | 376-27-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
| Ethyl pentadecafluorooctanoate                                                                                                                                                       |                                                                                                         | 3108-24-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecan-1-ol                                                                                                                       |                                                                                                         | 678-39-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |            |
| 8:2 Fluorotelomer methacrylate                                                                                                                                                       |                                                                                                         | 1996-88-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
| 33.Nickel/                                                                                                                                                                           | Nickel                                                                                                  | 7440-02-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Nickel (II) oxide                                                                                       | 1313-99-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Nickel (II) chloride                                                                                    | 7718-54-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Nickel (II) chloride, hexahydrate                                                                       | 7791-20-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Nickel(II) sulfate                                                                                      | 7786-81-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Nickel(II) sulfate, hexahydrate                                                                         | 10101-97-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Nickel(II) sulfate, heptahydrate                                                                        | 10101-98-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Antimony nickel titanium oxide yellow                                                                   | 8007-18-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |            |
|                                                                                                                                                                                      | Nickel niobium titanium yellow rutile                                                                   | 68611-43-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | Cobalt titanate green spinel                                                                            | 68186-85-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
|                                                                                                                                                                                      | 34-1.Perfluorohexane sulfonic acid (PFHxS) and their salts                                              | Perfluorohexane-1-sulphonic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 355-46-4                             |            |
|                                                                                                                                                                                      |                                                                                                         | ammonium perfluorohexane-1-sulphonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 68259-08-5                           |            |
|                                                                                                                                                                                      |                                                                                                         | potassium perfluorohexane-1-sulphonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3871-99-6                            |            |
|                                                                                                                                                                                      |                                                                                                         | tridecafluorohexanesulphonic acid, compound with 2,2'-iminodethanol (1:1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 70225-16-0                           |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)                                                                                                   |                                                                                                         | 92011-17-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
| Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) |                                                                                                         | 928049-42-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt                                                                                                           |                                                                                                         | 70136-72-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)                                                                             |                                                                                                         | 72033-41-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |
| Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                               |                                                                                                         | 1000597-52-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |            |
| N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate                                                                                                                        |                                                                                                         | 108427-54-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate                                                                                                                           |                                                                                                         | 108427-55-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with pyrrolidine (1:1)                                                                                       |                                                                                                         | 1187817-57-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |            |
| Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)                                                                       |                                                                                                         | 189274-31-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)                                                                            |                                                                                                         | 202189-84-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                         |                                                                                                         | 213740-81-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt                                                                                                        |                                                                                                         | 341035-71-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                               |                                                                                                         | 341548-85-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)                                                                                             |                                                                                                         | 350836-93-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |            |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)                                                                                            |                                                                                                         | 41184-65-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |            |

| Substance group                                              | Specific substance                                                                                                                                                                                                                                                                                                                                               | CAS No       |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 34-1.Perfluorohexane sulfonic acid (PFHxS) and their salts   | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)                                                                                                                                                                                                                                                                          | 41242-12-0   |
|                                                              | Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl)-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)                                                                                                                                                                                                                                   | 421555-73-9  |
|                                                              | Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)                                                                                                                                                                                                                                      | 421555-74-0  |
|                                                              | Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                                                                                                   | 425670-70-8  |
|                                                              | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)                                                                                                                                                                                                                                                                              | 55120-77-9   |
|                                                              | Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                     | 1310480-24-0 |
|                                                              | Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                  | 1310480-27-3 |
|                                                              | Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                 | 1310480-28-4 |
|                                                              | Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)                                                                                                                                                                                                                                                       | 1329995-45-0 |
|                                                              | Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)                                                                                                                                                                                                                                                      | 1329995-69-8 |
|                                                              | Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                                                                                                                           | 144116-10-9  |
|                                                              | Quinolinium, 1-(carboxymethyl)-4-[2-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                      | 1462414-59-0 |
|                                                              | Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                                                                                                                             | 153443-35-7  |
|                                                              | Sulfonium, 4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 <sup>3,7</sup> ]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 <sup>3,7</sup> ]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate | 911027-69-5  |
|                                                              | Sulfonium, 4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                                                                                | 911027-68-4  |
|                                                              | Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)                                                                                                                                                                                                                                                            | 910606-39-2  |
|                                                              | 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt                                                                                                                                                                                                                                                                                     | 82382-12-5   |
|                                                              | Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)                                                                                                                                                                                                                                         | 866621-50-3  |
|                                                              | Sulfonic acids, C6-12-alkane, perfluoro                                                                                                                                                                                                                                                                                                                          | 93572-72-6   |
|                                                              | Sulfonic acids, C6-12-alkane, perfluoro, potassium salts                                                                                                                                                                                                                                                                                                         | 68391-09-3   |
| 34-2.Perfluorohexane sulfonic acid (PFHxS) related compounds | Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl esters                                                                                                                                                                                                                                           | 148240-80-6  |
|                                                              | Fatty acids, C18-unsatd., trimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters                                                                                                                                                                                                                                                                   | 161074-58-4  |
|                                                              | 2-Propenoic acid, 2-(methylamino)ethyl ester, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., polymers with propene                                                                                                                                                                                                                                                  | 1648540-20-8 |
|                                                              | 2-Propenoic acid, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester                                                                                                                                                                                                                                                              | 1893-52-3    |
|                                                              | Fatty acids, C18-unsatd., dimers, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl esters                                                                                                                                                                                                                                                                    | 306974-63-0  |
|                                                              | 2-Propenoic acid, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester                                                                                                                                                                                                                                                             | 67584-57-0   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester                                                                                                                                                                                                                                                  | 67584-61-6   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester                                                                                                                                                                                                                                                   | 67906-70-1   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid                                                                                                                                                                                         | 67906-71-2   |
|                                                              | 2-Propenoic acid, 2-methyl-, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester                                                                                                                                                                                                                                                  | 67939-61-1   |
|                                                              | Carbamic acid, N,N'-(4-methyl-1,3-phenylene)bis-, bis[2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl] ester                                                                                                                                                                                                                                                 | 68081-83-4   |
|                                                              | 2-Propenoic acid, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]butyl ester                                                                                                                                                                                                                                                             | 68227-98-5   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[[[5-[[[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester (9C1)                                                                                                                                                                                                   | 68298-74-8   |
|                                                              | Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonyl)sulfonyl]-, ethyl ester                                                                                                                                                                                                                                                            | 68957-53-9   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[[[2-methyl-5-[[[4-[methyl[(tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester (9C1)                                                                                                                                                                                                  | 70900-36-6   |
|                                                              | Benzenamine, 4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                                                         | 147029-28-5  |
|                                                              | β-Alanine, N-[3-(dimethylamino)propyl]-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                               | 141607-32-1  |
|                                                              | Benzene, 1-fluoro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                                                    | 149552-30-2  |
|                                                              | Benzene, 1-chloro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                                                    | 76848-59-4   |
|                                                              | Benzene, 1-nitro-4-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                                                     | 171561-95-8  |
|                                                              | Thiophene, 2-[2-(tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                                                           | 86525-43-1   |
|                                                              | Furan, 2-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                                    | 86525-48-6   |
|                                                              | Benzene, 1-methyl-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                         | 86525-51-1   |
|                                                              | Benzene, 1-methoxy-4-[2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                        | 86525-52-2   |
|                                                              | Thiophene, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                 | 89863-48-9   |
|                                                              | Furan, 2-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                     | 89863-49-0   |
|                                                              | Benzene, 1-methyl-4-[1-(phenylthio)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                          | 89863-50-3   |
|                                                              | Thiophene, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                | 89863-55-8   |
|                                                              | Furan, 2-[1-(nitromethyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                                    | 89863-56-9   |
|                                                              | 2,4-Pentanedione, 3-[1-(2-thienyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                           | 89863-63-8   |
|                                                              | 2,4-Pentanedione, 3-[1-(2-furanyl)-2-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]ethenyl]-                                                                                                                                                                                                                                                           | 89863-64-9   |
|                                                              | Isioxazolidine, 4-(4-methoxyphenyl)-2-methyl-5-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                         | 93416-31-0   |
|                                                              | Hexane, 1-(ethenylsulfonyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                             | 680187-86-4  |
|                                                              | Poly(oxo-1,2-ethanediyl), α-[2-(methylamino)ethyl]-ω-hydroxy-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs., C12-16-alkyl ethers                                                                                                                                                                                                                                   | 1648539-69-8 |
|                                                              | Sulfonic acids, C6-8-alkane, perfluoro, compds. with polyethylene-polypropylene glycol bis(2-aminopropyl) ether                                                                                                                                                                                                                                                  | 306974-45-8  |
|                                                              | 1-Hexanesulfonyl bromide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                               | 111393-38-6  |
|                                                              | 1-Hexanesulfonyl chloride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                              | 55591-23-6   |
|                                                              | 1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                              | 423-50-7     |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N,N-dimethyl-                                                                                                                                                                                                                                                                                       | 1270179-82-2 |
|                                                              | 1-Hexanesulfonamide, N,N-diethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                        | 1270179-93-5 |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-(2-oxo-1-methylethyl)-                                                                                                                                                                                                                                                                                          | 129813-71-4  |
|                                                              | 1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-                                                                                                                                                                                                                                                                                   | 1427176-17-7 |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-bis(2-methoxyethyl)-                                                                                                                                                                                                                                                                              | 1427176-20-2 |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 1,6-diisocyanatohexane homopolymer and ethylene glycol                                                                                                                                                                                                                   | 148684-79-1  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol and polymethylenepolyphenylene isocyanate                                                                                                                                                                                                               | 160901-25-7  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 2-ethyl-1-hexanol, Me Et ketone oxime and polymethylenepolyphenylene isocyanate                                                                                                                                                                                           | 160901-26-8  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-(3-chloro-2-hydroxypropyl)-N-methyl                                                                                                                                                                                                                                                                                      | 1645842-67-6 |
|                                                              | Sulfonamides, C7-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,3-bis(isocyanatomethyl)benzene and N-butyl-1-butanamine                                                                                                                                                                                                                 | 1645850-46-9 |
|                                                              | 1-Hexanesulfonamide, N-[3-(dimethyloxidamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt (1:1)                                                                                                                                                                                                                                              | 178094-71-8  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), polymers with 1,1'-methylenebis[4-isocyanatobenzene] and polymethylenepolyphenylene isocyanate, 2-ethylhexyl esters, Me Et ketone oxime-blocked                                                                                                                                                  | 178535-22-3  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidamino)propyl] potassium salt                                                                                                                                                                                                                                                                             | 179005-06-2  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethyloxidamino)propyl] potassium salts                                                                                                                                                                                                                                                                            | 179005-07-3  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-[3-(dimethylamino)propyl], reaction products with acrylic acid                                                                                                                                                                                                                                                           | 192662-29-6  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with poly(Bu acrylate) and polyethylene-polypropylene glycol mono-Bu ether                                                                                                                                                                                                     | 222716-67-8  |
|                                                              | 1-Hexanesulfonamide, N-[3-(dimethyloxidamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                    | 30295-56-8   |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with 12-hydroxyoctadecanoic acid and 2,4-TDI, ammonium salts                                                                                                                                                                                                                  | 306973-47-7  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-methyl-N-[(3-octadecyl-2-oxo-5-oxazolidinyl)methyl]                                                                                                                                                                                                                                                                      | 306974-19-6  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N,N'-[1,6-hexanediylbis(2-oxo-3,5-oxazolidinediyl)methylene]]bis[N-methyl-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-                                                                                                                                                         | 306980-27-8  |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                                    | 34455-03-3   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                                    | 41997-13-1   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-2-propen-1-yl-                                                                                                                                                                                                                                                                                    | 67584-48-9   |
|                                                              | 1-Hexanesulfonamide, N,N'-[phosphinocobis(oxy-2,1-ethanediyl)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                               | 67939-92-8   |
|                                                              | 1-Hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-(phosphonoxy)ethyl]-                                                                                                                                                                                                                                                                   | 67969-65-7   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-                                                                                                                                                                                                                                                                        | 68259-74-7   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-                                                                                                                                                                                                                                                                                           | 68259-15-4   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(phenylmethyl)-                                                                                                                                                                                                                                                                                   | 68298-09-9   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-                                                                                                                                                                                                                                                                        | 68555-75-9   |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with TDI                                                                                                                                                                                                                                                                       | 68608-13-9   |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-ethyl-N-(hydroxyethyl), reaction products with 1,1'-methylenebis[4-isocyanatobenzene]                                                                                                                                                                                                                                    | 68608-14-0   |

| Substance group                                              | Specific substance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CAS No       |
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| 34-2-Perfluorohexane sulfonic acid (PFHxS) related compounds | 1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, hydrochloride (1:1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 68957-61-9   |
|                                                              | 1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 73772-33-5   |
|                                                              | 1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-[2-[2-(2-hydroxyethoxy)ethoxy]ethyl]-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 73772-34-6   |
|                                                              | 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-propyl-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 85665-64-1   |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-(hydroxyethyl)-N-methyl, reaction products with epichlorohydrin, adipates (esters)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 91081-99-1   |
|                                                              | Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy-, polymer with 1,6-diisocyanatohexane, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides-blocked                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 306975-84-8  |
|                                                              | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 306976-55-6  |
|                                                              | Hexane, 1,6-diisocyanato-, homopolymer, N-(hydroxyethyl)-N-methylperfluoro-C4-8-alkanesulfonamides- and stearyl alc.-blocked                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 306978-65-4  |
|                                                              | 1-Hexanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 306977-10-6  |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, telomer with 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate and 1-octanethiol, N-oxides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 944578-05-6  |
|                                                              | Sulfonamides, C4-8-alkane, perfluoro, N-[4,7-dimethyl-4-[[[(1-methylpropylidene)amino]oxy]-3,5-dioxo-6-aza-4-silanon-6-en-1-yl]]-N-ethyl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 68957-32-4   |
|                                                              | Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 68891-98-5   |
|                                                              | Chromium, diaquatetrachloro[ $\mu$ -[N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]glycinate-kO:kO]]- $\mu$ -hydroxybis(2-propano)di-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 38850-60-1   |
|                                                              | 1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56372-23-7   |
|                                                              | Poly(oxy-1,2-ethanediyl), $\alpha$ -[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 127133-66-8  |
|                                                              | 2-Propenoic acid, 2-methyl-, polymers with Bu methacrylate, lauryl methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl methacrylate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 160336-17-4  |
|                                                              | 2-Propenoic acid, butyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1645852-10-3 |
|                                                              | Siloxanes and Silicones, di-Me, Bu group- and 3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group-terminated, telomers with acrylic acid, di-Me, Me 3-mercaptopropyl siloxanes, Me acrylate, Me methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate, 2,2'-(1,2-diazenediyl)bis[2-methylpropanenitrile]-initiated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1648534-82-0 |
|                                                              | 2-Propenoic acid, polymers with lauryl acrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 306974-28-7  |
|                                                              | Siloxanes and Silicones, di-Me, mono[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl group]-terminated, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and stearyl methacrylate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 306975-62-2  |
|                                                              | 2-Propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 306976-25-0  |
|                                                              | 1-Hexadecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]-, bromide (1:1), polymers with Bu acrylate, Bu methacrylate and 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 306977-58-2  |
|                                                              | 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)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]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 306978-04-1  |
|                                                              | 2-Propenoic acid, butyl ester, polymers with acrylamide, 2-[methyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl acrylate and vinylidene chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 504396-13-8  |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(perfluoro-C4-8-alkyl)sulfonyl]amino]ethyl ester, polymers with polyethylene glycol acrylate Me ether                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 507225-08-3  |
|                                                              | Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, reaction products with Me Et ketone oxime, 2-mercaptoethanol, 2-[methyl[(perfluoro-C3-8-alkyl)sulfonyl]amino]ethyl acrylate, polymethylenepolyphenylene isocyanate and polypropylene glycol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 68259-38-1   |
|                                                              | Poly[oxy(methyl-1,2-ethanediyl)], $\alpha$ -[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 306979-40-8  |
|                                                              | Poly(oxy-1,2-ethanediyl), $\alpha$ -[2-(methylamino)ethyl]- $\omega$ -[(1,1,3,3-tetramethylbutyl)phenoxy]-, N-[(perfluoro-C4-8-alkyl)sulfonyl] derivs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 68555-90-8   |
|                                                              | Polymer based on 67584-55-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |
|                                                              | 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 1,1-dichloroethene, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]methylamino]ethyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate                                                                                                                                                                                                                                                                                                                                                                                                     | 70776-36-2   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[[[5-[[[4-[[[heptadecafluoroctyl)sulfonyl]methylamino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[[[methyl[(nonafluorobutyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[[[methyl[(tridecafluorohexyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[[[2-methyl-5-[[[4-[[[methyl[(undecafluoropentyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl 2-methyl-2-propenoate, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol | 70900-40-2   |
|                                                              | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-propenoic acid                                                                                                                                                                                                                                                                                                                                 | 71487-20-2   |
|                                                              | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and $\alpha$ -(1-oxo-2-propen-1-yl)- $\omega$ -methoxypoly(oxy-1,2-ethanediyl)                                                                                                                                                                                                                                                                                                                           | 68867-60-7   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 1-octanethiol and $\alpha$ -(1-oxo-2-propen-1-yl)- $\omega$ -methoxypoly(oxy-1,2-ethanediyl)                                                                                                                                                                                                                                                               | 68867-62-9   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-methyl-1,3-butadiene                                                                                                                                                                                                                                                                                                                                  | 68877-32-7   |
|                                                              | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]amino]ethyl ester, telomer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-methyloxirane polymer with oxirane di-2-propenoate, 2-methyloxirane polymer with oxirane mono-2-propenoate and 1-octanethiol                                                                                                                                                                                                                                                                                                                                       | 68227-87-2   |
|                                                              | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and $\alpha$ -(1-oxo-2-propen-1-yl)- $\omega$ -methoxypoly(oxy-1,2-ethanediyl)                                                                                                                 | 68227-94-1   |
|                                                              | 2-Propenoic acid, butyl ester, telomer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoroctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -hydroxypoly(oxy-1,4-butanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]poly(oxy-1,4-butanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol                                                                                                                                                                                                                                                     | 68227-96-3   |

| Substance group                                                                                        | Specific substance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CAS No       |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 34-2.Perfluorohexane sulfonic acid (PFHxS) related compounds                                           | 2-Propenoic acid, ethyl ester, polymer with 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-propenoate, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,4-butanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[[2-methyl-1-oxo-2-propen-1-yl]oxy]poly(oxy-1,4-butanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[[2-methyl-1-oxo-2-propen-1-yl]oxy]poly(oxy-1,2-ethanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate and 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-propenoate                                                                                                                                                                                                                                                                                                                                                                                            | 68228-00-2   |
|                                                                                                        | 2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methylphenyl]amino]carbonyl]oxy]propyl ester,telomer with butyl 2-propenoate, 2-[[[[5-[[[2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethoxy]carbon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 68298-78-2   |
|                                                                                                        | 2-Propenoic acid, 2-methyl-, 4-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]butyl ester, telomer with butyl 2-propenoate, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-hydroxypoly(oxy-1,4-butanediyl), .alpha.-(2-methyl-1-oxo-2-propen-1-yl)-.omega.-[[2-methyl-1-oxo-2-propen-1-yl]oxy]poly(oxy-1,4-butanediyl), 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 4-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]butyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol | 68299-39-8   |
|                                                                                                        | 2-Propenoic acid, eicosyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, hexadecyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and octadecyl 2-propenoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 68329-56-6   |
|                                                                                                        | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 68555-91-9   |
|                                                                                                        | 2-Propenoic acid, 2-methyl-, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and octadecyl 2-methyl-2-propenoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 68555-92-0   |
|                                                                                                        | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-chloro-3-butadiene, 2-[ethyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate and 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 68568-77-4   |
|                                                                                                        | 2-Propenoic acid, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α-(2-methyl-1-oxo-2-propenyl)-ω-hydroxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propenyl)-ω-[[2-methyl-1-oxo-2-propenyl]oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate and 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate (9CI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 68586-13-0   |
|                                                                                                        | 2-Propenoic acid, 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, telomer with 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, α-(2-methyl-1-oxo-2-propen-1-yl)-ω-hydroxypoly(oxy-1,2-ethanediyl), α-(2-methyl-1-oxo-2-propen-1-yl)-ω-[[2-methyl-1-oxo-2-propen-1-yl]oxy]poly(oxy-1,2-ethanediyl), 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 1-octanethiol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 68586-14-1   |
|                                                                                                        | 1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-, reaction products with N-ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-butanefulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-1-pentanesulfonamide, polymethylenepolyphenylene isocyanate and stearyl.alk.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 68649-26-3   |
|                                                                                                        | 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with 2-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,4-nonafluorobutyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,5-undecafluoropentyl)sulfonyl]amino]ethyl 2-propenoate and 2-oxiranylmethyl 2-methyl-2-propenoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 68797-76-2   |
|                                                                                                        | 2-Propenoic acid, eicosyl ester, polymers with branched octyl acrylate, 2-[[[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl acrylate, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(tridecafluoroheptyl)sulfonyl]amino]ethyl acrylate, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl acrylate, polyethylene glycol acrylate Me ether and stearyl acrylate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 68909-15-9   |
| 35.Dechlorane Plus™™ [covering any of its individual anti- and syn-isomers or any combination thereof] | 1,4:7,10-Dimethanodibenzo[a,e]cyclooctene, 1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13560-89-9   |
|                                                                                                        | 1,4:7,10-Dimethanodibenzo[a,e]cyclooctene, 1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-, (1R,4S,4aS,6aS,7S,10R,10aR,12aR)-rel-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 135821-74-8  |
|                                                                                                        | 1,4:7,10-Dimethanodibenzo[a,e]cyclooctene, 1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-, (1R,4S,4aS,6aR,7R,10S,10aS,12aR)-rel-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 135821-03-3  |
| 36.Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)                                           | Phenol, 4-nonyl, phosphite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3050-88-2    |
|                                                                                                        | Phenol, p-isononyl-, phosphite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 31631-13-7   |
|                                                                                                        | Phenol, p-sec-nonyl-, phosphite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 106599-06-8  |
|                                                                                                        | Trisnonylphenyl phosphite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 26523-78-4   |
| 37.Perfluorobutane sulfonic acid (PFBS) and its salts                                                  | N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25628-08-4   |
|                                                                                                        | 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 375-73-5     |
|                                                                                                        | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 29420-49-3   |
|                                                                                                        | magnesium perfluorobutanesulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 507453-86-3  |
|                                                                                                        | lithium perfluorobutanesulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 131651-65-5  |
|                                                                                                        | morpholinium perfluorobutanesulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 503155-89-3  |
|                                                                                                        | Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 68259-10-9   |
|                                                                                                        | tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 220689-12-3  |
|                                                                                                        | dimethyl(phenyl)sulfanium perfluorobutanesulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 220133-51-7  |
|                                                                                                        | 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -            |
|                                                                                                        | Triphenylsulfanium perfluorobutane sulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 144317-44-2  |
|                                                                                                        | bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 194999-85-4  |
|                                                                                                        | Stannane, dioctylbis(1-oxododecyl)oxy]-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3648-18-8    |
|                                                                                                        | Stannane, dioctyl-, bis(coco acyloxy) derivs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 91648-39-4   |
|                                                                                                        | dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | —            |
| 39.Medium-chain chlorinated paraffins (MCCP)                                                           | Alkanes, C14-17, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85535-85-9   |
|                                                                                                        | di-, tri- and tetrachlorotetradecane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | —            |
|                                                                                                        | Tetradecane, chloro derivs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 198840-65-2  |
|                                                                                                        | Alkanes, C14-16, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1372804-76-6 |
|                                                                                                        | Reaction mass of alkanes, C14-17, chloro and paraffin waxes and hydrocarbon waxes, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 915-934-2    |
|                                                                                                        | Alkanes, chloro; alkanes, chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 61788-76-9   |
|                                                                                                        | Alkanes, C6-18, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 68920-70-7   |
|                                                                                                        | Alkanes, C10-21, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 84082-38-2   |
|                                                                                                        | Alkanes, C10-32, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 84776-06-7   |
|                                                                                                        | Alkanes, C16-27, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 84776-07-8   |
|                                                                                                        | Alkanes, C16-35, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85049-26-9   |
|                                                                                                        | Paraffin oils and hydrocarbon oils, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 85422-92-0   |
|                                                                                                        | Alkanes, C12-14, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85536-22-7   |
|                                                                                                        | Alkanes, C10-14, chloro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85681-73-8   |

| Substance group                                                  | Specific substance                                                                                                                                                                                                                                                                                                                                                                                                                     | CAS No      |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 39. Medium-chain chlorinated paraffins (MCCP)                    | Paraffins (petroleum), normal C>10, chloro                                                                                                                                                                                                                                                                                                                                                                                             | 97553-43-0  |
|                                                                  | Alkanes, C10-26, chloro                                                                                                                                                                                                                                                                                                                                                                                                                | 97659-46-6  |
| 40. Orthoboric acid, sodium salt                                 | Boric acid (H3BO3), sodium salt, hydrate                                                                                                                                                                                                                                                                                                                                                                                               | 25747-83-5  |
|                                                                  | Boric acid (H3BO3), disodium salt                                                                                                                                                                                                                                                                                                                                                                                                      | 22454-04-2  |
|                                                                  | Trisodium orthoborate                                                                                                                                                                                                                                                                                                                                                                                                                  | 14312-40-4  |
|                                                                  | Boric acid, sodium salt                                                                                                                                                                                                                                                                                                                                                                                                                | 1333-73-9   |
|                                                                  | Orthoboric acid, sodium salt                                                                                                                                                                                                                                                                                                                                                                                                           | 13840-56-7  |
|                                                                  | Boric acid (H3BO3), sodium salt (1:1)                                                                                                                                                                                                                                                                                                                                                                                                  | 14890-53-0  |
| 41. 4-Nonylphenol, branched and linear                           | Phenol, 4-nonyl-, branched                                                                                                                                                                                                                                                                                                                                                                                                             | 84852-15-3  |
|                                                                  | p-(1,1-dimethylheptyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                           | 30784-30-6  |
|                                                                  | 4-(1-Ethyl-1,4-dimethylpentyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                   | 14231-63-3  |
|                                                                  | 4-(1-Ethyl-1,3-dimethylpentyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                   | 186825-36-5 |
|                                                                  | 4-(1-ethyl-1-methylhexyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                        | 52427-13-1  |
|                                                                  | p-isononylphenol                                                                                                                                                                                                                                                                                                                                                                                                                       | 26543-97-5  |
|                                                                  | p-(1-methyloctyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                                | 17404-66-9  |
|                                                                  | p-nonylphenol                                                                                                                                                                                                                                                                                                                                                                                                                          | 104-40-5    |
|                                                                  | Phenol, nonyl-, branched                                                                                                                                                                                                                                                                                                                                                                                                               | 90481-04-2  |
|                                                                  | 4-(3-ethylheptan-2-yl)phenol                                                                                                                                                                                                                                                                                                                                                                                                           | 186825-39-8 |
|                                                                  | 4-(1,1,5-Trimethylhexyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                         | 521947-27-3 |
|                                                                  | Nonylphenol                                                                                                                                                                                                                                                                                                                                                                                                                            | 25154-52-3  |
|                                                                  | Isononylphenol                                                                                                                                                                                                                                                                                                                                                                                                                         | 11066-49-2  |
|                                                                  | Henicosafuoroundecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                           | 2058-94-8   |
|                                                                  | Sodium salts of Perfluorononan-1-oic acid                                                                                                                                                                                                                                                                                                                                                                                              | 21049-39-8  |
|                                                                  | Tricosafuorododecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                            | 307-55-1    |
| 42-1. Perfluorocarboxylic acids (PFCA: C9-C14) and their salts   | ammonium nonadecafluorodecanoate                                                                                                                                                                                                                                                                                                                                                                                                       | 3108-42-7   |
|                                                                  | Nonadecafluorodecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                            | 335-76-2    |
|                                                                  | Perfluorononan-1-oic acid                                                                                                                                                                                                                                                                                                                                                                                                              | 375-95-1    |
|                                                                  | Heptacosafuorotetradecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                       | 376-06-7    |
|                                                                  | Sodium nonadecafluorodecanoate                                                                                                                                                                                                                                                                                                                                                                                                         | 3830-45-3   |
|                                                                  | Ammonium salts of Perfluorononan-1-oic acid                                                                                                                                                                                                                                                                                                                                                                                            | 4149-60-4   |
|                                                                  | Pentacosafuorotridecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                         | 72629-94-8  |
|                                                                  | Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-                                                                                                                                                                                                                                                                                                                                  | 16486-96-7  |
|                                                                  | Undecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro-                                                                                                                                                                                                                                                                                                                                                             | 1765-48-6   |
|                                                                  | Hexacosafuoro-13-(trifluoromethyl)tetradecanoic acid                                                                                                                                                                                                                                                                                                                                                                                   | 18024-09-4  |
| 42-2. Perfluorocarboxylic acids (PFCA: C9-C14)-related compounds | Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafuoroundecanoate                                                                                                                                                                                                                                                                                                                                                            | 307-71-1    |
|                                                                  | Ammonium octadecafluoro-9-(trifluoromethyl)decanoate                                                                                                                                                                                                                                                                                                                                                                                   | 3658-63-7   |
|                                                                  | Ammonium tricosafuorododecanoate                                                                                                                                                                                                                                                                                                                                                                                                       | 3793-74-6   |
|                                                                  | Dodecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-, compd. With ethanamine (1:1)                                                                                                                                                                                                                                                                                                    | 68015-87-2  |
|                                                                  | 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate | 115592-83-1 |
|                                                                  | 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and alpha-omega-perfluoro-C8-14-alkylacrylate                                                                                                                                                                                                                                                                             | 125328-29-2 |
|                                                                  | 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and gamma-omega-perfluoro-C8-14-alkylacrylate                                                                                                                                                                                                                                                                             | 129783-45-5 |
|                                                                  | 2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and gamma-omega-perfluoro-C18-14-alkyl acrylate                                                                                                                                                                                                                                                                                                          | 144031-01-6 |
|                                                                  | Dodecanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-docosafluoro-11-(trifluoromethyl)-                                                                                                                                                                                                                                                                                                                              | 15811-52-6  |
|                                                                  | 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,13,13,14,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl ester                                                                                                                                                                                                                                                                                                  | 16083-87-7  |
|                                                                  | 2-(Perfluorodecyl) ethyl acrylate, 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester                                                                                                                                                                                                                                                                                                      | 17741-60-5  |
|                                                                  | 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-, 1,1'-(hydrogen phosphate);                                                                                                                                                                                                                                                                                                                              | 1895-26-7   |
|                                                                  | Bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl] hydrogen phosphate                                                                                                                                                                                                                                                                                                                                         |             |
|                                                                  | Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-12-iodo-; C10-2 telomer B iodide                                                                                                                                                                                                                                                                                                                                  | 2043-54-1   |
|                                                                  | 2-(Perfluorodecyl) ethyl methacrylate, 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-heneicosafuorododecyl ester                                                                                                                                                                                                                                                                                       | 2144-54-9   |
|                                                                  | 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-pentacosafuoro-14-iodo-;                                                                                                                                                                                                                                                                                                                                          | 30046-31-2  |
|                                                                  | 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-pentacosafuoro-14-iodotetradecane                                                                                                                                                                                                                                                                                                                                              |             |
|                                                                  | Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafuoro-11-iodo-                                                                                                                                                                                                                                                                                                                                                      | 307-50-6    |
|                                                                  | Dodecane, 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-pentacosafuoro-12-iodo-                                                                                                                                                                                                                                                                                                                                              | 307-60-8    |
|                                                                  | Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-14-iodo-; Nonacosafuoro-1-iodotetradecane                                                                                                                                                                                                                                                                                               | 307-63-1    |
|                                                                  | Dodecane, 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-tetracosafuoro-12-iodo-2-(trifluoromethyl)-;                                                                                                                                                                                                                                                                                                                         | 3248-61-1   |
|                                                                  | 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafuoro-12-iodo-2-(trifluoromethyl)dodecane                                                                                                                                                                                                                                                                                                                               |             |
|                                                                  | Tetradecane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-octacosafuoro-14-iodo-2-(trifluoromethyl)-;                                                                                                                                                                                                                                                                                                             | 3248-63-3   |
|                                                                  | Octacosafuoro-14-iodo-2-(trifluoromethyl)tetradecane                                                                                                                                                                                                                                                                                                                                                                                   |             |
|                                                                  | Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafuoro-15-iodo                                                                                                                                                                                                                                                                                                                       | 335-79-5    |
|                                                                  | Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafuoro-13-iodo-                                                                                                                                                                                                                                                                                                                                       | 376-04-5    |
|                                                                  | 1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro-;                                                                                                                                                                                                                                                                                                                                          | 39239-77-5  |
|                                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafuorotetradecanol                                                                                                                                                                                                                                                                                                                                                   |             |
|                                                                  | Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafuoro-10-iodo-; Henicosafuoro-10-iododecane                                                                                                                                                                                                                                                                                                                               | 423-62-1    |
|                                                                  | 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-nonacosafuorohexadecyl ester; 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-nonacosafuorohexadecyl methacrylate                                                                                                                                                                                             | 4980-53-4   |
|                                                                  | 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafuoro-13-(trifluoromethyl)tetradecyl ester;                                                                                                                                                                                                                                                                                                       | 52956-82-8  |
|                                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14-tetracosafuoro-13-(trifluoromethyl)tetradecyl acrylate                                                                                                                                                                                                                                                                                                                          |             |
|                                                                  | Nonane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-9-iodo-; Nonadecafluoro-9-iodononane                                                                                                                                                                                                                                                                                                                                      | 558-97-4    |
|                                                                  | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl ester; 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafuorotetradecyl methacrylate                                                                                                                                                                                                              | 6014-75-1   |
|                                                                  | 14,14,14-pentacosafuorotetradecyl methacrylate                                                                                                                                                                                                                                                                                                                                                                                         |             |
|                                                                  | 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-nonacosafuoro-;                                                                                                                                                                                                                                                                                                                                   | 60699-51-6  |
|                                                                  | 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-nonacosafuorohexadecanol                                                                                                                                                                                                                                                                                                                                         |             |
|                                                                  | 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);                                                                                                                                                                                                                                                                                                       | 63295-27-2  |
|                                                                  | 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate                                                                                                                                                                                                                                                                                                                 |             |
|                                                                  | 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-tetracosafuoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate); 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate                                                                                                                                              | 63295-28-3  |
|                                                                  | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, 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, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-pentacosafuorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate                 | 65104-45-2  |
|                                                                  | Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-16-iodo-;                                                                                                                                                                                                                                                                                                                                | 65510-55-6  |
|                                                                  | 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-16-iodohexadecane                                                                                                                                                                                                                                                                                                                                    |             |
|                                                                  | Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodo-; 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodoundecane                                                                                                                                                                                                                                                                                          | 65510-56-7  |
|                                                                  | Decane, 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-icosafuoro-10-iodo-2-(trifluoromethyl)-; Eicosafluoro-10-iodo-2-(trifluoromethyl)decane                                                                                                                                                                                                                                                                                              | 677-93-0    |
|                                                                  | 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14-hexacosafuoro-13-(trifluoromethyl)myristoyl fluoride                                                                                                                                                                                                                                                                                                                        | 68025-62-7  |
|                                                                  | 2H-Pyran, 2,2,3,3,4,4,5,5,6-nonafuorotetrahydro-6-(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluorononyl)-                                                                                                                                                                                                                                                                                                                           | 68155-54-4  |
|                                                                  | Alkyl iodides, C4-20, gamma-omega-perfluoro                                                                                                                                                                                                                                                                                                                                                                                            | 68188-12-5  |
|                                                                  | Fatty acids, C7-13, perfluoro                                                                                                                                                                                                                                                                                                                                                                                                          | 68333-92-6  |
|                                                                  | Alkyl iodides, C10-12, gamma-omega-perfluoro                                                                                                                                                                                                                                                                                                                                                                                           | 68390-33-0  |
|                                                                  | Phosphonic acid, perfluoro-C6-12-alkyl derivs.                                                                                                                                                                                                                                                                                                                                                                                         | 68412-68-0  |

| Substance group                                              | Specific substance                                                                                                                                                                                                                                                                                                                                                        | CAS No       |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 42-Perfluorocarboxylic acids (PFCA:C9-C14)-related compounds | Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.                                                                                                                                                                                                                                                                                                                       | 68412-69-1   |
|                                                              | 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; 1-(Carboxylatomeethyl)-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)piperazinium                                                                                           | 71356-38-2   |
|                                                              | Fatty acids, C7-13, perfluoro, ammonium salts; Carboxylic acids, C7-13, perfluoro, ammonium salts                                                                                                                                                                                                                                                                         | 72968-38-8   |
|                                                              | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafluoro-11-(trifluoromethyl)dodecyl ester;                                                                                                                                                                                                                                                | 74256-14-7   |
|                                                              | 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-icosafafluoro-11-(trifluoromethyl)dodecyl methacrylate                                                                                                                                                                                                                                                                      | 74256-15-8   |
|                                                              | 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafafluoro-13-(trifluoromethyl)tetradecyl ester; 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafafluoro-13-(trifluoromethyl)tetradecyl methacrylate                                                                                                    | 85631-54-5   |
|                                                              | 2-Propenoic acid, gamma-omega-perfluoro-C8-14-alkyl esters                                                                                                                                                                                                                                                                                                                | 85681-64-7   |
|                                                              | 2-Propenoic acid, perfluoro-C8-16-alkyl esters                                                                                                                                                                                                                                                                                                                            | 865-86-1     |
|                                                              | 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-; C10-2 fluorotelomer alcohol; 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-                                                                                                                                                                               | 90622-71-2   |
|                                                              | Alkyl iodides, C6-18, perfluoro                                                                                                                                                                                                                                                                                                                                           | 90622-99-4   |
|                                                              | Amides, C7-19, alpha-omega-perfluoro-N,N-bis(hydroxyethyl)                                                                                                                                                                                                                                                                                                                | 91032-01-8   |
|                                                              | Fatty acids, C7-19, perfluoro                                                                                                                                                                                                                                                                                                                                             | 93062-53-4   |
|                                                              | Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., ammonium salts                                                                                                                                                                                                                                                                                                       | 93776-00-2   |
|                                                              | 2-Pentadecanol, 1,1'-[oxybis[(1-methyl-2,1-ethanediyl)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoro-; 1,1'-[oxybis[(1-methylethylene)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoropentadecan-2-ol                                                                                       | 93776-12-6   |
|                                                              | 1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-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-pentacosafafluoro-2-hydroxypentadecyl]amino]-, inner salt; (2-carboxylatoethyl)(dimethyl)[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-pentacosafafluoro-2-hydroxypentadecyl]amino]propyl]ammonium                                    | 93776-13-7   |
|                                                              | 1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-3-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxytridecyl]amino]-N,N-dimethyl-, inner salt; (2-carboxylatoethyl)[3-[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxytridecyl]amino]propyl]dimethylammonium                                                   | 93776-15-9   |
|                                                              | 1-Propanaminium, N-(2-carboxyethyl)-N,N-dimethyl-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-tetracosafafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]-, innersalt; (2-carboxylatoethyl)(dimethyl)[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]propyl]ammonium | 93776-16-0   |
|                                                              | bis(2-hydroxyethyl)methyl(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoro-2-hydroxypentadecyl)ammonium iodide                                                                                                                                                                                                                               | 93776-17-1   |
|                                                              | 1-Tridecanaminium, 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, iodide (1:1); [4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxytridecan-1-yl][bis(2-hydroxyethyl)]methylammonium iodide                                                                                    | 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); 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxytridecyl dihydrogen phosphate                                                                                                                                               | 94159-76-9   |
|                                                              | bis(2-hydroxyethyl)methyl[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl] ammonium iodide                                                                                                                                                                                                            | 94159-79-2   |
|                                                              | 2-Pentadecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoro-; 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoropentadecan-2-ol                                                                                                        | 94159-80-5   |
|                                                              | 2-Tridecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-; 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluorotridecan-2-ol                                                                                                                                  | 94159-82-7   |
|                                                              | 2-Pentadecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafafluoro-14-(trifluoromethyl)-; 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafafluoro-14-(trifluoromethyl)pentadecan-2-ol                                                                    | 94159-83-8   |
|                                                              | 2-Tridecanol, 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)-1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafafluoro-12-(trifluoromethyl)tridecan-1-ol                                                                                                     | 94200-42-7   |
|                                                              | 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoro-2-hydroxypentadecyl dihydrogen phosphate                                                                                                                                                                                                                                                    | 94200-43-8   |
|                                                              | 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-nonacosafafluoro-2-hydroxyheptadecyl dihydrogen phosphate                                                                                                                                                                                                                                      | 94200-46-1   |
|                                                              | 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), diammonium salt; Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heneicosafluoro-2-hydroxytridecyl phosphate                                                                                                                              | 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-pentacosafafluoro-, 1-(dihydrogen phosphate), diammonium salt; Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-pentacosafafluoro-2-hydroxypentadecyl phosphate                                                                                                    | 94200-48-3   |
|                                                              | 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-nonacosafafluoro-, 1-(dihydrogen phosphate), diammonium salt; Diammonium 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-nonacosafafluoro-2-hydroxyheptadecyl phosphate                                                                        | 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; Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl phosphate                                                                                               | 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-tetracosafafluoro-14-(trifluoromethyl)-, 1-(dihydrogen phosphate), diammonium salt; Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15-tetracosafafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate                                                                | 79-94-7      |
| 43.Tetrabromo-bisphenol A (TBBPA)                            | Tetrabromobisphenol A (TBBPA)                                                                                                                                                                                                                                                                                                                                             | 3072-84-2    |
|                                                              | ;2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol                                                                                                                                                                                                                                                                                                                         | 21850-44-2   |
|                                                              | 2,2'-[[1-methylethylene]bis(2,6-dibromo-4,1-phenylene)oxy]methylene]bisoxirane                                                                                                                                                                                                                                                                                            | 25327-89-3   |
|                                                              | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]                                                                                                                                                                                                                                                                                                       | 37853-61-5   |
|                                                              | TBBPA-bis-(allyl-ether)                                                                                                                                                                                                                                                                                                                                                   | 97416-84-7   |
|                                                              | ;1,1'-isopropylidenebis[4-(allyloxy)-3,5-dibromobenzene]                                                                                                                                                                                                                                                                                                                  | -            |
|                                                              | TBBPA-dimethyl-ether                                                                                                                                                                                                                                                                                                                                                      | -            |
|                                                              | ;4,4'-(isopropylidene)bis[2,6-dibromoanisole]                                                                                                                                                                                                                                                                                                                             | -            |
|                                                              | 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene]                                                                                                                                                                                                                                                                                              | -            |
|                                                              | (INTERSTAB FR 184)                                                                                                                                                                                                                                                                                                                                                        | -            |
|                                                              | A mixture of: 2-ethyl-[2,6-dibromo-4-[1-[3,5-dibromo-4-(2-hydroxyethoxy)phenyl]-1-methylethyl]phenoxy]propenoate; 2,2'-diethyl-[4,4'-bis(2,6-dibromophenoxy)-1-methylethylene] dipropenoate; 2,2'-[[1-methylethylene]bis[2,6-dibromo-4,1-phenylene)oxy]ethanol]](TR33R)                                                                                                   | -            |
|                                                              | 2,2-bis[3,5-dibromo-4-(3-acryloyloxy-2-hydroxypropoxy)phenyl]propane (SC 11 PREPOLYMER)                                                                                                                                                                                                                                                                                   | -            |
|                                                              | (BB 331)                                                                                                                                                                                                                                                                                                                                                                  | -            |
|                                                              | TBBPA-epichlorhydrin oligomer                                                                                                                                                                                                                                                                                                                                             | 40039-93-8   |
|                                                              | ;2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane                                                                                                                                                                                                                                                            | 158725-44-1  |
| 44.Perfluoroalkyl and polyfluoroalkyl substances (PFAS)      | 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 2,4,6-tribromophenol                                                                                                                                                                                                                                    | 1045809-53-7 |
|                                                              | Phenol, 4,4'-[(1-methylethylene)bis[2,6-dibromo-, polymer with 2-(chloromethyl)oxirane and 4,4'-[(1-methylethylene)bis[phenol], Ph ethers                                                                                                                                                                                                                                 | 1179964-22-7 |
|                                                              | 2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether                                                                                                                                                                                                                                            | -            |
|                                                              | Reaction mass of 1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene] and 1,3-dibromo-2-(2,3-dibromo-2-methylpropoxy)-5-(2-[3,5-dibromo-4-(2,3-tribromo-2-methylpropoxy)phenyl]propan-2-yl)benzene                                                                                                                                                | 26040-51-7   |
|                                                              | <a href="https://comptox.epa.gov/dashboard/chemical-lists/pfasstruct">https://comptox.epa.gov/dashboard/chemical-lists/pfasstruct</a>                                                                                                                                                                                                                                     | 375-85-9     |
|                                                              | <a href="https://comptox.epa.gov/dashboard/chemical-lists/pfasdev1">https://comptox.epa.gov/dashboard/chemical-lists/pfasdev1</a>                                                                                                                                                                                                                                         | 20109-59-5   |
|                                                              | Bis(2-ethylhexyl) tetrabromophthalate                                                                                                                                                                                                                                                                                                                                     | 6130-43-4    |
|                                                              | Perfluoroheptanoic acid                                                                                                                                                                                                                                                                                                                                                   | 21049-36-5   |
|                                                              | Sodium perfluoroheptanoate                                                                                                                                                                                                                                                                                                                                                | 115-29-7     |
|                                                              | Ammonium perfluoroheptanoate                                                                                                                                                                                                                                                                                                                                              | 959-98-8     |
|                                                              | Potassium perfluoroheptanoate                                                                                                                                                                                                                                                                                                                                             | 33213-65-9   |
|                                                              | Endosulfan                                                                                                                                                                                                                                                                                                                                                                | 115-32-2     |
|                                                              | Endosulfan                                                                                                                                                                                                                                                                                                                                                                | 10606-46-9   |
|                                                              | Endosulfan                                                                                                                                                                                                                                                                                                                                                                | 18942-25-1   |
|                                                              | Dicofol                                                                                                                                                                                                                                                                                                                                                                   | 2879-60-9    |
| 48.Dicofol                                                   | 2,2,2-Trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl)ethanol                                                                                                                                                                                                                                                                                                              |              |
|                                                              | Carbonic acid, 1,1-dimethylethyl pentachlorophenyl ester                                                                                                                                                                                                                                                                                                                  |              |
| 49.Pentachlorophenol and its salts andesters                 | Acetic acid, 2,2,2-trichloro-, 2,3,4,5,6-pentachlorophenyl ester                                                                                                                                                                                                                                                                                                          |              |
|                                                              |                                                                                                                                                                                                                                                                                                                                                                           |              |

| Substance group                                  | Specific substance                                                                                                             | CAS No       |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------|
| 49.Pentachlorophenol and its salts and esters    | Acetic acid, 2,2-dichloro-, 2,3,4,5,6-pentachlorophenyl ester                                                                  | 19745-69-8   |
|                                                  | Pentachlorophenol salts                                                                                                        |              |
|                                                  | Pentachlorophenol                                                                                                              | 87-86-5      |
|                                                  | Sodium pentachlorophenolate                                                                                                    | 131-52-2     |
|                                                  | Zinc bis(pentachlorophenolate)                                                                                                 | 2917-32-0    |
|                                                  | N2-benzyl pentachlorophenyl N2-carboxy-L-(2-aminoglutaramate)                                                                  | 13673-51-3   |
|                                                  | Perchlorophenyl N-(benzyloxycarbonyl)-L-isoleucinate                                                                           | 13673-53-5   |
|                                                  | Perchlorophenyl S-benzyl-N-(benzyloxycarbonyl)-L-cysteinate                                                                    | 13673-54-6   |
|                                                  | Pentachlorophenyl N-[(4-methoxyphenyl)methoxy]carbonyl]-L-serinate                                                             | 23234-97-1   |
|                                                  | Pentachlorophenol esters                                                                                                       | -            |
|                                                  | Perchlorophenyl 5-oxo-L-prolinate                                                                                              | 28990-85-4   |
|                                                  | Pentachlorophenyl laurate                                                                                                      | 3772-94-9    |
|                                                  | Potassium pentachlorophenolate                                                                                                 | 7778-73-6    |
|                                                  | Phenol, methylstyrenated                                                                                                       | 68512-30-1   |
|                                                  | 50.Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol                                              |              |
|                                                  | 51.Other Halogenated Flame Retardants                                                                                          |              |
| 52.Methoxychlor                                  | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate                                                                      | 29420-49-3   |
|                                                  | Methoxychlor                                                                                                                   | 72-43-5      |
|                                                  | 2,4'-Methoxychlor                                                                                                              | 30667-99-3   |
|                                                  | 1,1'-(2,2,2-trichloroethane-1,1-diyl)bis(2-methoxybenzene)                                                                     | 76733-77-2   |
|                                                  | -                                                                                                                              | 255065-25-9  |
|                                                  | -                                                                                                                              | 255065-26-0  |
| 53-1.Perfluorohexane acids (PFHxA) and its salts | -                                                                                                                              | 59424-81-6   |
|                                                  | -                                                                                                                              | 1348358-72-4 |
|                                                  | Ammonium undecafluorohexanoate                                                                                                 | 21615-47-4   |
|                                                  | sodium undecafluorohexanoate                                                                                                   | 2923-26-4    |
| 53-2.PFHxA-related substances                    | undecafluorohexanoic acid                                                                                                      | 307-24-4     |
|                                                  | Chlorodimethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane                                                             | 102488-47-1  |
|                                                  | sodium hydrogen (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phosphonate                                                      | 1189052-95-6 |
|                                                  | (3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonyl)phosphonic acid monethyl ester                                       | 1189052-97-8 |
|                                                  | 4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl methacrylate                                                                      | 1228350-17-1 |
|                                                  | lithium 2-bis(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluoro-2-hydroxynonyl)amino)ethane-1-sulfonate                                  | 1262880-17-0 |
|                                                  | 4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-hydroxynonyl acrylate                                                                | 127377-12-2  |
|                                                  | Triethoxy(5,5,6,6,7,7,7-heptafluoro-4,4-bis(trifluoromethyl)heptyl)silane                                                      | 130676-81-2  |
|                                                  | 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4(trifluoromethyl)pentane                                                             | 132182-92-4  |
|                                                  | (perfluorohexyl)hexadecane                                                                                                     | 133310-71-1  |
|                                                  | 1-(Perfluorohexyl)octane                                                                                                       | 133331-77-8  |
|                                                  | Trimethyl(tridecafluorohexyl)silane                                                                                            | 135841-49-5  |
|                                                  | 4,4,5,5,6,6,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl acrylate                                                        | 16083-76-4   |
|                                                  | 4,4,5,5,6,6,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl methacrylate                                                    | 16083-79-7   |
|                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl acrylate                                                                          | 17527-29-6   |
|                                                  | bromotris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane                                                                | 175354-31-1  |
|                                                  | tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane                                                                     | 175354-32-2  |
|                                                  | ammonium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1-octanesulfonyl reaction mass of: 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-1- | 182176-52-9  |
|                                                  | (prop-2-en-1-yl)tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane                                                     | 192212-66-1  |
|                                                  | Tris[4-(tridecafluorohexyl)phenyl]phosphine                                                                                    | 193197-68-1  |
|                                                  | 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane                                                                           | 2043-57-4    |
|                                                  | 1H,1H-Tridecafluoro-1-iodoheptane                                                                                              | 212563-43-4  |
|                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl methacrylate                                                                      | 2144-53-8    |
|                                                  | Tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phenyl]phosphine                                                          | 219985-31-6  |
|                                                  | Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-                                                             | 225777-40-4  |
|                                                  | Phosphonic acid, P-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-                                                             | 225777-40-4  |
|                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooct-1-ene                                                                               | 25291-17-2   |
|                                                  | 1H-Tridecafluoro-3,3-dimethylhex-1-yne                                                                                         | 261503-44-0  |
|                                                  | Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester                                                            | 26650-00-9   |
|                                                  | Methyl Perfluoroamyl Ketone                                                                                                    | 2708-07-8    |
|                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonyl chloride                                                                | 27619-89-2   |
|                                                  | 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonic acid                                                                    | 27619-97-2   |
|                                                  | 2H,2H,3H,3H-Perfluorononanoic acid                                                                                             | 27854-30-4   |
|                                                  | Perfluorohexanoic Anhydride                                                                                                    | 308-13-4     |
|                                                  | 1-Methyl-3-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)imidazolium hexafluorophosphate                                       | 313475-50-2  |
|                                                  | Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)tin oxide                                                                     | 324063-66-3  |
|                                                  | Perfluorohexanoyl chloride                                                                                                     | 335-53-5     |
|                                                  | 1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane                                                                          | 335-56-8     |
|                                                  | 4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide                                                                            | 34451-26-8   |
|                                                  | N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-octane-1-sulfonamide                                       | 34455-22-6   |
|                                                  | Carboxymethyldimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulphonyl]amino]propylammonium hydroxide                | 34455-29-3   |
|                                                  | 1H,1H-Undecafluorohexylamine                                                                                                   | 355-34-0     |
|                                                  | Perfluorohexanoyl fluoride                                                                                                     | 355-38-4     |
|                                                  | 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-6-iodohexane                                                                           | 355-43-1     |
|                                                  | 4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyl alcohol                                                                 | 356055-76-0  |
|                                                  | Diisopropyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane                                                                | 356056-14-9  |
|                                                  | 4-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]butane-1thiol                                                            | 36097-07-1   |
|                                                  | 2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-ol                                                                             | 375-82-6     |
|                                                  | Ethyl Perfluoroamyl Ketone                                                                                                     | 383177-55-7  |
|                                                  | 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodononane                                                                           | 38550-34-4   |
|                                                  | (2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptyl)oxirane                                                                         | 38565-52-5   |
|                                                  | 1-hexanol, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-                                                                                 | 423-46-1     |
|                                                  | 1H,1H-Tridecafluoroheptylamine                                                                                                 | 423-49-4     |
|                                                  | Methyl Undecafluorohexanoate                                                                                                   | 424-18-0     |
|                                                  | Bis(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl) azodicarboxylate                                                             | 452912-11-7  |
|                                                  | 2-[methyl[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulphonyl]amino]ethyl acrylate                                         | 49859-70-3   |
|                                                  | (7E)-7H,8H-Hexacosafuorotetradec-7-ene                                                                                         | 51249-67-3   |
|                                                  | 1-Octanesulfonamide, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-                                      | 51619-73-9   |
|                                                  | Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane                                                                  | 51851-37-7   |
|                                                  | Perfluoroheptanoyl chloride                                                                                                    | 52447-22-0   |
|                                                  | 6:2 fluorotelomer carboxylic acid                                                                                              | 53826-12-3   |
|                                                  | 3-(Perfluoro-3-methylbutyl)-1,2-propenoxide 97%                                                                                | 54009-81-3   |
|                                                  | N-[4-(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)benzyloxycarbonyloxy] succinimide                                           | 556050-48-7  |
|                                                  | 1H-Perfluorooct-1-yne                                                                                                          | 55756-24-6   |
|                                                  | 6:2 fluorotelomer aldehyde                                                                                                     | 56734-81-7   |
|                                                  | 1-Octanol, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, 1(dihydrogen phosphate)                                                   | 57678-01-0   |
|                                                  | Potassium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonate                                                              | 59587-38-1   |
|                                                  | Ammonium Perfluorohexylethylsulfonate                                                                                          | 59587-39-2   |
|                                                  | sodium 2-methyl-2-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)thio]propanoyl)amino]propane-1-sulfonate                      | 62880-93-7   |
|                                                  | perfluoroheptanal                                                                                                              | 63967-41-9   |
|                                                  | 2-(Perfluoro-3-methylbutyl)ethyl methacrylate                                                                                  | 65195-44-0   |
|                                                  | 6:2 fluorotelomer unsaturated aldehyde                                                                                         | 69534-12-9   |
|                                                  | 6:2 fluorotelomer unsaturated carboxylic acid                                                                                  | 70887-88-6   |
|                                                  | Dichloromethyl(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane                                                             | 73609-36-6   |
|                                                  | 2-Hydroxy-N,N-dimethyl-3-sulfo-N-[3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)phenyl]iodonium Trifluoromethanesulfonate   | 76201-56-4   |
|                                                  | (Perfluorohexyl)phenyliodonium Trifluoromethanesulfonate                                                                       | 77758-84-0   |

| Substance group                                                                            | Specific substance                                                                                                                                                                                 | CAS No      |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 53-2.Perfluorohexane acid (PFHxA) related compounds                                        | Trichloro(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane                                                                                                                                      | 78560-45-9  |
|                                                                                            | N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctanesulphonamide N-oxide                                                                                                       | 80475-32-7  |
|                                                                                            | 1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorooctane                                                                                                                                                      | 80793-17-5  |
|                                                                                            | 4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononan-1-ol                                                                                                                                                  | 80806-68-4  |
|                                                                                            | 1-(Perfluorohexyl)docosane                                                                                                                                                                         | 825651-73-8 |
|                                                                                            | N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)maleimide                                                                                                                                          | 852527-41-4 |
|                                                                                            | N-(4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl)iodoacetamide                                                                                                                                      | 852527-50-5 |
|                                                                                            | 4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl azide                                                                                                                                                 | 852527-60-7 |
|                                                                                            | 4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl azide                                                                                                                                                 | 85857-16-5  |
|                                                                                            | Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane                                                                                                                                     | 85857-16-5  |
|                                                                                            | Dimethoxymethyl(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)silane                                                                                                                                 | 85857-17-6  |
|                                                                                            | 3-perfluorohexyl-2-hydroxypropyl methacrylate                                                                                                                                                      | 86994-47-0  |
|                                                                                            | (Perfluorohexyl)trifluoroxirane                                                                                                                                                                    | 87375-53-9  |
|                                                                                            | 2-hydroxy-N,N,N-trimethyl-3-[(3,3,4,4,5,5,6,6,7,7,8,8,8tridecafluorooctyl)thio]propan-1-aminium chloride                                                                                           | 88992-45-4  |
|                                                                                            | 4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluorononyl iodide                                                                                                                                                | 89889-20-3  |
|                                                                                            | 3,3,4,4,5,5,6,6,7,7,7-Undecafluoroheptan-2-ol                                                                                                                                                      | 914637-05-1 |
|                                                                                            | 2-Chloro-4,6-bis[3-(perfluorohexyl)propyloxy]-1,3,5-triazine                                                                                                                                       | 916770-15-5 |
|                                                                                            | N-Succinimidyl 4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononanoate                                                                                                                                    | 932710-51-5 |
|                                                                                            | 2,7-Bis(1H1H2H,2H-perfluorooctyl)-9-fluorenylmethoxycarbonyl chloride                                                                                                                              | 932710-57-1 |
|                                                                                            | 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-chloroacrylate                                                                                                                                      | 96383-55-0  |
|                                                                                            | 2-Iodo-1-(perfluorohex-1-yl)octane                                                                                                                                                                 | 109574-84-7 |
|                                                                                            | 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol                                                                                                                                                     | 647-42-7    |
| 54.Perfluorocarboxylic acids (PFCA:C15-C21),their salts and C15-C21 PFCA-related compounds | Pentadecanoic acid, nonacosafuoro- (C15 PFCA) and the salts                                                                                                                                        | 141074-63-7 |
|                                                                                            | Hexadecanoic acid, hentriacontafuoro- (C16 PFCA) and the salts                                                                                                                                     | 67905-19-5  |
|                                                                                            | Perfluoroheptadecanoic acid (C17 PFCA) and the salts                                                                                                                                               | 57475-95-3  |
|                                                                                            | Octadecanoic acid, pentatriacontafuoro- (C18 PFCA) and the salts                                                                                                                                   | 16517-11-6  |
|                                                                                            | Perfluorononadecanoic acid (C19 PFCA) and the salts                                                                                                                                                | 133921-38-7 |
|                                                                                            | Perfluoroeicosanoic acid (C20 PFCA) and the salts                                                                                                                                                  | 68310-12-3  |
|                                                                                            | Perfluoroheneicosanoic acid (C21 PFCA) and the salts                                                                                                                                               | -           |
|                                                                                            | 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (Bisphenol AF)                                                                                                                        | 1478-61-1   |
|                                                                                            | Benzyltriphenylphosphonium,salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)                                                                                         | 75768-65-9  |
|                                                                                            | 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts                                                                                                                         | -           |
| 55.4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene] diphenol (Bisphenol AF)            | Reaction mass of 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and benzyl(diethylamino)diphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate (1:1) | -           |
|                                                                                            | benzyl(diethylamino)diphenylphosphonium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate                                                                                         | 577705-90-9 |
|                                                                                            | N,N-dibutyl-N-methylbutan-1-aminium 4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate                                                                                             | -           |
|                                                                                            | Phosphonium, tributyl(2-methoxypropyl)-, salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)                                                                           | 126049-00-1 |
|                                                                                            | Reaction products of benzene,chlorine and sulfur chloride(S2Cl2) with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol                                                                 | 921213-47-0 |
|                                                                                            | Reaction mass of 4,4'-[2,2,2-trifluoro-1(trifluoromethyl)ethylidene]diphenol and benzyltriphenylphosphonium,salt with 4,4'-[2,2,2-trifluoro-1(trifluoromethyl)ethylidene]diphenol (1:1)            | -           |
|                                                                                            |                                                                                                                                                                                                    |             |
|                                                                                            |                                                                                                                                                                                                    |             |
|                                                                                            |                                                                                                                                                                                                    |             |
|                                                                                            |                                                                                                                                                                                                    |             |
| 56.PFHps and their salts and related                                                       | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- ammonium salt                                                                                                               | 68259-07-4  |
|                                                                                            | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- potassium salt                                                                                                              | 60270-55-5  |
|                                                                                            | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- compound with 2,2'-iminobis[ethanol] (1:1)                                                                                  | 70225-15-9  |
|                                                                                            | 1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-                                                                                                   | 68555-76-0  |
|                                                                                            | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-                                                                                                    | 68555-73-7  |
|                                                                                            | 2-Propenoic acid, 2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester                                                                                                                       | 59071-10-2  |
|                                                                                            | 1-Heptanesulfonamide, N-[3-(dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- monohydrochloride                                                                                 | 67940-02-7  |
|                                                                                            | 1-Propanaminium, N,N,N-trimethyl-3-[[[(pentadecafluoroheptyl)sulfonyl]amino]-, chloride                                                                                                            | 68555-81-7  |
|                                                                                            | 1-Propanaminium, N,N,N-trimethyl-3-[[[(pentadecafluoroheptyl)sulfonyl]amino]-, iodide                                                                                                              | 67584-58-1  |
|                                                                                            | Glycine, N-ethyl-N-[(pentadecafluoroheptyl)sulfonyl]- potassium salt                                                                                                                               | 67584-62-7  |
|                                                                                            | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[2-(phosphonoxy)ethyl]-                                                                                              | 67923-61-9  |
|                                                                                            | 1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[2-(phosphonoxy)ethyl]-, diammonium salt                                                                             | 67939-98-4  |
|                                                                                            | 1-Heptanesulfonamide, N,N'-[phosphinobis(oxy-2,1-ethanediy)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- ammonium salt                                                               | 67939-97-3  |
|                                                                                            | 1-Heptanesulfonamide, N,N',N'-[phosphinylidynetris(oxy-2,1-ethanediy)]tris[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro- ammonium salt                                                    | 67939-94-0  |
|                                                                                            | Poly(oxy-1,2-ethanediy), alpha-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]- omega-hydroxy-                                                                                              | 68298-81-7  |
|                                                                                            | Poly(oxy-1,2-ethanediy), alpha-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]- omega-methoxy-                                                                                              | 68258-60-1  |
|                                                                                            | Poly[oxy(methyl-1,2-ethanediy)], alpha-[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]- omega-hydroxy-                                                                                      | 68259-39-2  |
|                                                                                            | Benzoic acid, 2,3,4,5-tetrachloro-6-[[[3-[[[(pentadecafluoroheptyl)sulfonyl]oxy]phenyl]amino]carbonyl]-, monopotassium salt                                                                        | 68541-01-5  |
|                                                                                            | Chromium, diaquatetrachloro[.mu.-(N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]glycinato-kappa,O:kappa,O'1)-.mu.-hydroxybis(2-propanol)-                               | 68891-97-4  |
|                                                                                            | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-1-heptanesulfonyl fluoride                                                                                                                           | 335-71-7    |
|                                                                                            | Perfluoroheptanesulfonic acid                                                                                                                                                                      | 375-92-8    |
|                                                                                            | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-2-propen-1-yl-1-heptanesulfonamide                                                                                                                 | 67584-49-0  |
|                                                                                            | N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[3-(trichlorosilyl)propyl]-1-heptanesulfonamide                                                                                            | 67584-50-3  |
|                                                                                            | N-[3-(Dimethylamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-1-heptanesulfonamide                                                                                                     | 67584-54-7  |
|                                                                                            | 4-[Methyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-methyl-2-propenoate                                                                                           | 67906-38-1  |
|                                                                                            | N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-2-propen-1-yl-1-heptanesulfonamide                                                                                                         | 67906-41-6  |
|                                                                                            | 2-[Ethyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate                                                                                            | 67939-36-0  |
|                                                                                            | 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl ester, polymer with octadecyl 2-propenoate and 2-propenoic acid                    | 67939-37-1  |
|                                                                                            | N,N'-[Phosphinobis(oxy-2,1-ethanediy)]bis[N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-1-                                                                                                 | 67939-93-9  |
|                                                                                            | 2-[Methyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-methyl-2-propenoate                                                                                           | 67939-36-2  |
|                                                                                            | 2-[Methyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate                                                                                                    | 68084-62-8  |
|                                                                                            | 4-[Methyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]butyl 2-propenoate                                                                                                    | 68227-97-4  |
|                                                                                            | N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-[3-(trimethoxysilyl)propyl]-1-heptanesulfonamide                                                                                           | 68239-75-8  |
|                                                                                            | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-methyl-1-heptanesulfonamide                                                                                                                        | 68259-14-3  |
|                                                                                            | 2-[Butyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl 2-propenoate                                                                                                     | 68298-60-2  |
|                                                                                            | 2-Propenoic acid, 2-methyl-, 2-[[[[5-[[[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethoxy]carbonyl]amino]-2-methyl]phenyl]amino]carbonyl]oxy]propyl ester                                      | 68298-73-7  |
|                                                                                            | 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-Pentadecafluoro-N-(4-hydroxybutyl)-N-methyl-1-heptanesulfonamide                                                                                                     | 68298-89-5  |
|                                                                                            | Benzenesulfonic acid, ar-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]methyl]-, sodium salt                                                                              | 68299-29-6  |
|                                                                                            | N-Butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-1-heptanesulfonamide                                                                                                      | 68310-02-1  |
|                                                                                            | Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]- sodium salt (1:1)                                                                                              | 68555-71-5  |
|                                                                                            | N-Ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]glycine ethyl ester                                                                                                       | 68957-54-0  |
|                                                                                            | N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-1-heptanesulfonamide                                                                                                                         | 68957-62-0  |
|                                                                                            | N-Ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]glycine                                                                                                                   | 68957-63-1  |
|                                                                                            | 1-Propanaminium, N,N,N-trimethyl-3-[[[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]-, sulfate (2:1)                                                                         | 70225-20-6  |
|                                                                                            | 2-Propenoic acid, 2-methyl-, 2-[[[[2-methyl-5-[[[4-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]butoxy]carbonyl]amino]phenyl]amino]carbonyl]oxy]propyl ester                                      | 70900-35-5  |
|                                                                                            | P-[3-(Dimethyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]phosphonic acid                                                                                           | 71463-79-1  |
|                                                                                            | Diethyl P-[3-ethyl(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]propyl]phosphonate                                                                                           | 71463-81-5  |
|                                                                                            | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, lithium salt (1:1)                                                                                                         | 117806-54-9 |
|                                                                                            | 3-[(Perfluoroheptane-1-sulfonyl)amino]-N,N-dimethylpropan-1-amine N-oxide potassium salt                                                                                                           | 178094-70-7 |

| Substance group                      | Specific substance                                                                                                            | CAS No       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| 56.PFHpS and their salts and related | Perfluoroheptane sulfonamido amine oxide                                                                                      | 178094-74-1  |
|                                      | Fatty acids, C18-unsatd., trimers, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptyl)sulfonyl]amino]ethyl esters | 148240-82-8  |
|                                      | 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, sodium salt                                           | 21934-50-9   |
|                                      | Tetraethylammonium perfluoroheptane sulfonate                                                                                 | 439863-97-5  |
|                                      | triethylammonium perfluoroheptane sulfonate                                                                                   | 72033-40-0   |
|                                      | Perfluoroheptane sulfonamidoethanol                                                                                           | 167398-54-1  |
|                                      | [N-Methyl(perfluoroheptane-1-sulfonyl)amino]acetic acid                                                                       | 1910057-77-0 |
|                                      | 3-(Perfluoroheptanesulfonamido)-N,N,N-trimethylpropan-1-aminium                                                               | 70225-19-3   |
|                                      | Bis(perfluoroheptanesulfonyl)imide                                                                                            | 1040629-78-4 |
|                                      | Lithium bis(perfluoroheptanesulfonyl)imide                                                                                    | 1702283-75-7 |
|                                      | N-(Phenylmethyl)perfluoroheptanesulfonamide                                                                                   | 68298-10-2   |
|                                      | Perfluoroheptane sulfonamide                                                                                                  | 82765-77-3   |
|                                      | Perfluoroheptane sulfonic anhydride                                                                                           | 140429-92-1  |
|                                      | Perfluoroheptane-1-sulfonic acid                                                                                              | 769067-51-8  |
|                                      | Sodium perfluoroheptanesulfinate                                                                                              | 68555-66-8   |
|                                      | [N-[(perfluoroheptyl)sulfonamido]propyl]-n,n-dimethylammonio]propionate inner salt                                            | 34522-08-2   |
|                                      | n-(perfluoroheptylsulfonyl)-n-propylglycine potassium                                                                         | 123085-30-3  |
|                                      | 3-[[[(perfluoroheptyl)sulfonyl]amino]-n,n,n-trimethyl-1-propanaminium bromide (1:1)]                                          | 167381-20-6  |
|                                      | Perfluoroheptane sulfonamido acetic acid                                                                                      | 1003194-00-0 |
|                                      | N-dimethyl ammonio propyl perfluoroheptane sulfonamido propanoic acid                                                         | 1432486-91-3 |
|                                      | n,n-dimethyl-n-(3-sulfopropyl)-3-[[[(3-sulfopropyl) [(perfluoroheptyl)sulfonyl]amino]-1-propanaminium                         | 2089108-81-4 |
|                                      | 3-[(3-[(2-hydroxyethyl)(dimethyl)azaniumyl]propyl)[(perfluoroheptyl)sulfonyl]amino]-1-propanesulfonate                        | 2089108-96-1 |
|                                      | perfluoroheptane sulfonamido (ethanol) betaine ethanol                                                                        | 2089109-02-2 |
|                                      | n-(2-hydroxyethyl)-n,n-dimethyl-3-[[[(perfluoroheptyl)sulfonyl]amino]-1-propanaminium                                         | 2089109-10-2 |
|                                      | 3-[[[(perfluoroheptyl)sulfonyl]methylamino]-n,n,n-trimethyl-1-propanaminium                                                   | 2089109-13-5 |

## Appendix 1 Annex 3 : Reference laws and regulations

| No. | Country,<br>region/standard, etc. | Name of law, etc.                                                                                                                                                                                               |
|-----|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | EU                                | RoHS Directive 2011/65/EU and its amendments                                                                                                                                                                    |
| 2   | China                             | Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products                                                                                                |
| 3   | Japan                             | Law for the Promotion of Effective Utilization of Resources                                                                                                                                                     |
| 4   | USA California                    | Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575                                                                                                                             |
| 5   | EU                                | REACH Regulation (EC) No.1907/2006 ANNEX XVII                                                                                                                                                                   |
| 6   | EU                                | REACH Regulation (EC) No.1907/2006 Candidate List for Authorisation                                                                                                                                             |
| 7   | Japan                             | Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.                                                                                                                          |
| 8   | USA                               | Toxic Substances Control Act (TSCA)                                                                                                                                                                             |
| 9   | Norway                            | Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922 |
| 10  | Canada                            | Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment                                                                                                                              |
| 11  | Switzerland                       | Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81                                                            |
| 12  | USA                               | Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314                                                                                                                                              |
| 13  | EU                                | Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021                                                                                                                                                  |
| 14  | Canada                            | Products containing Mercury Regulations SOR/2014-254                                                                                                                                                            |
| 15  | Austria                           | BGB I 1990/194: Formaldehyde Restriction §2, 12/2/1990                                                                                                                                                          |
| 16  | Korea (the Republic of)           | Persistent Organic Pollutants Control Act                                                                                                                                                                       |
| 17  | Lithuania                         | Hygiene Norm HN 96:2000 (Hygiene Norms and Regulations)                                                                                                                                                         |
| 18  | USA California                    | Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)                                                                                                                                          |
| 19  | USA California                    | Perchlorate Contamination Prevention Act of 2003 AB 826                                                                                                                                                         |
| 20  | EU                                | Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electronic displays                                                                                                                 |
| 21  | EU                                | Ecodesign requirements (EU) 2021/341 and (EU) 2019/424 pursuant to Directive 2009/125/EC                                                                                                                        |
| 22  | EU                                | Battery Directive 2006/66/EC                                                                                                                                                                                    |
| 23  | China                             | Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries GB 24427-2009                                                                                   |
| 24  | Korea (the Republic of)           | Quality Management and Manufactured Product Safety Management Law (Battery Regulation)                                                                                                                          |
| 25  | Taiwan (Province of China)        | Restrictions on the Manufacture, Import, and Sale of Dry Cell Batteries                                                                                                                                         |
| 26  | USA New York                      | Environmental Conservation Law, Battery management and disposal § 27-0719                                                                                                                                       |
| 27  | EU                                | REGULATION (EU) No 517/2014 on fluorinated greenhouse gases                                                                                                                                                     |
| 28  | EU                                | Regulation on substances that deplete the ozone layer (EC) No. 1005/2009                                                                                                                                        |
| 29  | Japan                             | Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures                                                                                                 |
| 30  | USA                               | Clean Air Act                                                                                                                                                                                                   |
| 31  | International Treaty              | Montreal Protocol on Substances that Deplete the Ozone Layer                                                                                                                                                    |
| 32  | EU                                | Directive 2013/59/Euratom                                                                                                                                                                                       |
| 33  | Japan                             | Law Concerning Prevention from Radiation Hazards due to Radio-Isotopes, etc.                                                                                                                                    |
| 34  | Japan                             | Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Reactors                                                                                                                          |
| 35  | USA                               | Nuclear Regulatory Commission Regulations Title 10 CFR Part 20                                                                                                                                                  |
| 36  | (Guidance)                        | EICTA, CECEC and EERA Joint Position : Guidance on implementing article 11 of Directive 2002/96/EC concerning information for treatment facilities                                                              |
| 37  | Standard                          | IEC 61249-2-21                                                                                                                                                                                                  |
| 38  | Standard                          | IPC-4101                                                                                                                                                                                                        |
| 39  | Standard                          | JEDEC JS709                                                                                                                                                                                                     |
| 40  | EU                                | Package Directive 94/62/EC                                                                                                                                                                                      |
| 41  | Korea (the Republic of)           | ACT ON THE PROMOTION OF SAVING AND RECYCLING OF RESOURCES                                                                                                                                                       |
| 42  | France                            | Order of April 13, 2022 specifying the substances contained in mineral oils whose use is prohibited on packaging and for printing intended for the public                                                       |
| 43  | Spain                             | Law 7/2022, of April 8, on waste and contaminated soil for a circular economy.                                                                                                                                  |
| 44  | USA Maine                         | Chapter 447 (LD 1503, 2021) PFAS regulation                                                                                                                                                                     |
| 45  | USA                               | Model Toxics in Packaging Legislation                                                                                                                                                                           |
| 46  | International Treaty              | Stockholm Convention                                                                                                                                                                                            |
| 47  | USA Washington                    | Safer Products for Washington                                                                                                                                                                                   |
| 48  | France                            | Anti-Waste and Circular Economy Law 2020-105                                                                                                                                                                    |
| 49  | Australia                         | Industrial Chemicals Environmental Management (Register) Act 2021                                                                                                                                               |
| 101 | USA                               | EPEAT(Electronic Product Environmental Assessment Tool)                                                                                                                                                         |
| 102 | EU                                | EU-WEEE Directive(2012/19/EU)                                                                                                                                                                                   |

## Appendix 2. Konica Minolta Chemicals - List of Prohibited and Restricted Substances

Category I : Difficult to manage risk as users cannot be identified  
 Category II : Risk management is made possible by thorough working procedures.  
 Category III : Risk management is made possible by ensuring protective equipment is worn.  
 Category IV : Risk management is made possible by equipment measures.

Since risks differ depending on the form of exposure, Konica Minolta classifies substances into five categories that envision usage, ranging from use under strict safety controls (e.g., at production sites) to use by the general public, which cannot be assumed to take safety measures.

※The table below is for reference only. Chemicals - Prohibited and restricted substances are determined by konicaminolta.

| List of prohibited and restricted chemicals in chemical products.               |                                                                                                                             |                                                                                                                        |                                                                                                                             |                                                                                                                        |                                                                                      |                                                                                                                                                               |                                                             |                                                                                                                                                                                                              | List of prohibited and restricted chemicals for used in the production site. |                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| category                                                                        | I                                                                                                                           |                                                                                                                        | II                                                                                                                          |                                                                                                                        | III                                                                                  |                                                                                                                                                               | IV                                                          |                                                                                                                                                                                                              | Used in production site                                                      |                                                                                                                                                                                                              |
|                                                                                 | ← consumer use                                                                                                              |                                                                                                                        |                                                                                                                             |                                                                                                                        | professional use →                                                                   |                                                                                                                                                               |                                                             |                                                                                                                                                                                                              | professional use                                                             |                                                                                                                                                                                                              |
|                                                                                 | prohibited substances                                                                                                       | restricted substances                                                                                                  | prohibited substances                                                                                                       | restricted substances                                                                                                  | prohibited substances                                                                | restricted substances                                                                                                                                         | prohibited substances                                       | restricted substances                                                                                                                                                                                        | prohibited substances                                                        | restricted substances                                                                                                                                                                                        |
| Japanese Laws and regulations                                                   |                                                                                                                             |                                                                                                                        |                                                                                                                             |                                                                                                                        |                                                                                      |                                                                                                                                                               |                                                             |                                                                                                                                                                                                              |                                                                              |                                                                                                                                                                                                              |
| Chemical Substance Control Law [CSCL]                                           | Class I Specified Chemical Substances,<br><br>Class II Specified Chemical Substances,<br><br>Monitoring Chemical Substances | Type II Monitoring Chemical Substances (before amendment),<br><br>Equivalent to Type II Monitoring Chemical Substances | Class I Specified Chemical Substances,<br><br>Class II Specified Chemical Substances,<br><br>Monitoring Chemical Substances | Type II Monitoring Chemical Substances (before amendment),<br><br>Equivalent to Type II Monitoring Chemical Substances | Class I Specified Chemical Substances,<br><br>Class II Specified Chemical Substances | Monitoring Chemical Substances,<br><br>Type II Monitoring Chemical Substances (before amendment),<br><br>Equivalent to Type II Monitoring Chemical Substances | Class I Specified Chemical Substances                       | Class II Specified Chemical Substances,<br><br>Monitoring Chemical Substances,<br><br>Type II Monitoring Chemical Substances (before amendment),<br><br>Equivalent to Type II Monitoring Chemical Substances | Class I Specified Chemical Substances                                        | Class II Specified Chemical Substances,<br><br>Monitoring Chemical Substances,<br><br>Type II Monitoring Chemical Substances (before amendment),<br><br>Equivalent to Type II Monitoring Chemical Substances |
| Industrial Safety and Health Act [ISHA]                                         | Chemical Substances Prohibited to Manufacturing, etc.,<br><br>Strong Mutagenic Chemical Substances                          | ---                                                                                                                    | Chemical Substances Prohibited to Manufacturing, etc.                                                                       | Strong Mutagenic Chemical Substances                                                                                   | Chemical Substances Prohibited to Manufacturing, etc.                                | Strong Mutagenic Chemical Substances                                                                                                                          | Chemical Substances Prohibited to Manufacturing, etc.       | Strong Mutagenic Chemical Substances                                                                                                                                                                         | Chemical Substances Prohibited to Manufacturing, etc.                        | Strong Mutagenic Chemical Substances                                                                                                                                                                         |
| Poisonous and Deleterious Substances Control Act                                | Specified Poisonous Substances,<br><br>Poisonous Substances                                                                 | ---                                                                                                                    | Specified Poisonous Substances,<br><br>Poisonous Substances                                                                 | ---                                                                                                                    | Specified Poisonous Substances                                                       | Poisonous Substances                                                                                                                                          | Specified Poisonous Substances                              | Poisonous Substances                                                                                                                                                                                         | Specified Poisonous Substances                                               | Poisonous Substances                                                                                                                                                                                         |
| Act on Prohibition of Chemical Weapons and Control of Specific Chemicals        | Specific Chemicals,<br><br>First Class Designated Chemicals,<br><br>Second Class Designated Chemicals                       | ---                                                                                                                    | Specific Chemicals,<br><br>First Class Designated Chemicals,<br><br>Second Class Designated Chemicals                       | ---                                                                                                                    | Specific Chemicals,<br><br>First Class Designated Chemicals                          | Second Class Designated Chemicals                                                                                                                             | Specific Chemicals,<br><br>First Class Designated Chemicals | Second Class Designated Chemicals                                                                                                                                                                            | Specific Chemicals,<br><br>First Class Designated Chemicals                  | Second Class Designated Chemicals                                                                                                                                                                            |
| Laws and regulations other than Japan                                           |                                                                                                                             |                                                                                                                        |                                                                                                                             |                                                                                                                        |                                                                                      |                                                                                                                                                               |                                                             |                                                                                                                                                                                                              |                                                                              |                                                                                                                                                                                                              |
| Stockholm Convention on Persistent Organic Pollutants (POPs)                    | listed                                                                                                                      | ---                                                                                                                    | listed                                                                                                                      | ---                                                                                                                    | listed                                                                               | ---                                                                                                                                                           | listed                                                      | ---                                                                                                                                                                                                          | listed                                                                       | ---                                                                                                                                                                                                          |
| Montreal Protocol on Substances that Deplete the Ozone Layer.                   | listed                                                                                                                      | ---                                                                                                                    | listed                                                                                                                      | ---                                                                                                                    | listed                                                                               | ---                                                                                                                                                           | listed                                                      | ---                                                                                                                                                                                                          | ANNEX A,B, C-gr II, III                                                      | ANNEX C-gr I, E                                                                                                                                                                                              |
| United Nations Framework Convention on Climate Change                           | HFC,PFC<br>SF <sub>6</sub>                                                                                                  | ---                                                                                                                    | HFC,PFC<br>SF <sub>6</sub>                                                                                                  | ---                                                                                                                    | HFC,PFC<br>SF <sub>6</sub>                                                           | ---                                                                                                                                                           | HFC,PFC<br>SF <sub>6</sub>                                  | ---                                                                                                                                                                                                          | ---                                                                          | HFC,PFC<br>SF <sub>6</sub>                                                                                                                                                                                   |
| TSCA §6                                                                         | listed                                                                                                                      | ---                                                                                                                    | listed                                                                                                                      | ---                                                                                                                    | listed                                                                               | ---                                                                                                                                                           | listed                                                      | ---                                                                                                                                                                                                          | listed                                                                       | ---                                                                                                                                                                                                          |
| RoHS (2011/65/EU)                                                               | listed                                                                                                                      | ---                                                                                                                    | listed                                                                                                                      | ---                                                                                                                    | listed                                                                               | ---                                                                                                                                                           | listed                                                      | ---                                                                                                                                                                                                          | listed                                                                       | ---                                                                                                                                                                                                          |
| REACH ANNEX XVII (*1)<br>ChemVerbotsV                                           | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                  | listed (regulated use)                                                                                                                                        | ---                                                         | listed (regulated use)                                                                                                                                                                                       | ---                                                                          | listed (regulated use)                                                                                                                                                                                       |
| REACH SVHC                                                                      | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                  | listed                                                                                                                                                        | ---                                                         | listed                                                                                                                                                                                                       | ---                                                                          | listed                                                                                                                                                                                                       |
| CLP ((EC) No. 1272/2008)<br>ANNEX VI (*1)                                       | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                  | Acute Tox. 1                                                                                                                                                  | ---                                                         | Acute Tox. 1                                                                                                                                                                                                 | ---                                                                          | Acute Tox. 1                                                                                                                                                                                                 |
| Hazard classification - Carcinogenicity, Mutagenicity and Reproductive toxicity |                                                                                                                             |                                                                                                                        |                                                                                                                             |                                                                                                                        |                                                                                      |                                                                                                                                                               |                                                             |                                                                                                                                                                                                              |                                                                              |                                                                                                                                                                                                              |
| IARC (Carc)                                                                     | 1,2A,2B                                                                                                                     | ---                                                                                                                    | 1,2A,2B                                                                                                                     | ---                                                                                                                    | 1,2A                                                                                 | 2B                                                                                                                                                            | 1                                                           | 2A,2B                                                                                                                                                                                                        | 1                                                                            | 2A,2B                                                                                                                                                                                                        |
| CLP ((EC) No. 1272/2008)<br>ANNEX VI (*1)                                       | Carc 1A,1B,2<br>Mut 1A,1B,2<br>Repr 1A,1B,2                                                                                 | ---                                                                                                                    | Carc 1A,1B,2<br>Mut 1A,1B,2<br>Repr 1A,1B,2                                                                                 | ---                                                                                                                    | Carc 1A,1B<br>Mut 1A,1B<br>Repr 1A,1B                                                | Carc 2<br>Mut 2                                                                                                                                               | Carc 1A<br>Mut 1A<br>Repr 1A                                | Carc 1B,2<br>Mut 1B,2<br>Repr 1B                                                                                                                                                                             | Carc 1A<br>Mut 1A<br>Repr 1A                                                 | Carc 1B,2<br>Mut 1B,2<br>Repr 1B                                                                                                                                                                             |
| EPA (Carc)                                                                      | A/CaH,B1/L,<br>B2/S                                                                                                         | ---                                                                                                                    | A/CaH,B1/L,<br>B2/S                                                                                                         | ---                                                                                                                    | A/CaH,B1/L                                                                           | B2/S                                                                                                                                                          | A/CaH                                                       | B1/L,<br>B2/S                                                                                                                                                                                                | A/CaH                                                                        | B1/L,<br>B2/S                                                                                                                                                                                                |
| NTP (Carc)                                                                      | K,R                                                                                                                         | ---                                                                                                                    | K,R                                                                                                                         | ---                                                                                                                    | K                                                                                    | R                                                                                                                                                             | K                                                           | R                                                                                                                                                                                                            | K                                                                            | R                                                                                                                                                                                                            |
| ACGIH (Carc)                                                                    | A1,A2,A3                                                                                                                    | ---                                                                                                                    | A1,A2,A3                                                                                                                    | ---                                                                                                                    | A1,A2                                                                                | A3                                                                                                                                                            | A1                                                          | A2,A3                                                                                                                                                                                                        | A1                                                                           | A2,A3                                                                                                                                                                                                        |
| Japanese Society of Occupational Health[JSOH] (Carc)                            | Class1,<br>Class2(A)(B)                                                                                                     | ---                                                                                                                    | Class1,<br>Class2(A)(B)                                                                                                     | ---                                                                                                                    | Class1,<br>Class2(A)                                                                 | Class2(B)                                                                                                                                                     | Class1                                                      | Class2(A)(B)                                                                                                                                                                                                 | Class1                                                                       | Class2(A)(B)                                                                                                                                                                                                 |
| MAK (Carc,Mut,Repr)                                                             | Carc 1,2,3<br>Mut 1,2,3A/3B<br>Repr A,B                                                                                     | ---                                                                                                                    | Carc 1,2,3<br>Mut 1,2,3A/3B<br>Repr A,B                                                                                     | ---                                                                                                                    | Carc 1,2<br>Mut 1,2<br>Repr A,B                                                      | Carc 3<br>Mut 3A,3B                                                                                                                                           | Carc 1<br>Mut 1<br>Repr A                                   | Carc 2,3<br>Mut 2,3A,3B<br>Repr B                                                                                                                                                                            | Carc 1<br>Mut 1<br>Repr A                                                    | Carc 2,3<br>Mut 2,3A,3B<br>Repr B                                                                                                                                                                            |
| TRGS 905 (Carc,Mut,Repr)                                                        | Carc 1A,1B,2<br>Mut 1A,1B,2<br>Repr 1A,1B,2                                                                                 | ---                                                                                                                    | Carc 1A,1B,2<br>Mut 1A,1B,2<br>Repr 1A,1B,2                                                                                 | ---                                                                                                                    | Carc 1A,1B<br>Mut 1A,1B<br>Repr 1A,1B                                                | Carc 2<br>Mut 2                                                                                                                                               | Carc 1A<br>Mut 1A<br>Repr 1A                                | Carc 1B, 2<br>Mut 1B,2<br>Repr 1B                                                                                                                                                                            | Carc 1A<br>Mut 1A<br>Repr 1A                                                 | Carc 1B, 2<br>Mut 1B,2<br>Repr 1B                                                                                                                                                                            |
| OSHA Z-Tables (Carc)                                                            | listed                                                                                                                      | ---                                                                                                                    | listed                                                                                                                      | ---                                                                                                                    | ---                                                                                  | listed                                                                                                                                                        | ---                                                         | listed                                                                                                                                                                                                       | ---                                                                          | listed                                                                                                                                                                                                       |
| Proposition 65 (Carc,Repr)                                                      | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                                                         | listed                                                                                                                 | ---                                                                                  | ---                                                                                                                                                           | ---                                                         | ---                                                                                                                                                                                                          | ---                                                                          | ---                                                                                                                                                                                                          |

\*1 Excluding physicochemical hazard classifications.

Appendix 3: Categories of EEE covered by RoHS

| Categories | EEE                                                                                         |
|------------|---------------------------------------------------------------------------------------------|
| 1          | Large household appliances.                                                                 |
| 2          | Small household appliances.                                                                 |
| 3          | IT and telecommunications equipment.                                                        |
| 4          | Consumer equipment.                                                                         |
| 5          | Lighting equipment.                                                                         |
| 6          | Electrical and electronic tools.                                                            |
| 7          | Toys, leisure and sports equipment.                                                         |
| 8          | Medical devices.                                                                            |
| 9          | Monitoring and control instruments including industrial monitoring and control instruments. |
| 10         | Automatic dispensers.                                                                       |
| 11         | Other EEE not covered by any of categories above.                                           |