ALPS Environmental Hazardous Substance Control Standard (Revision 13)
(former Control Standard for Chemical Substances Requiring Green Procurement Investigation)

Enforced: July 25, 2013
Revised: June 25, 2013
Published: October 17, 2007

Approved by

Nakai
Contents

1. Purpose

2. Scope of Application

3. Definition of Terminologies

4. Procurement and Management of Inclusion Report and Other Documents

5. Management Level of Chemical Substances

6. Document Control

Appendix 1: List of Environmentally Hazardous Substance (Group)
Appendix 2: List of Environmentally Hazardous Substance Control Standard
   Appendix 2-1: List of Environmentally Hazardous Substance Control Standard (For Electric)
   Appendix 2-2: List of Environmentally Hazardous Substance Control Standard (For Automotive)
   Table 1: Applications exempted from the prohibition in RoHS Article
   Table 2: Applications exempted from the prohibition in ELV Article
   Table 3: Glycol ether and its acetates with regards to proven reproductive toxicant.
   Table 4: Organic brominated solvents with regards to proven reproductive toxicant.
   Table 5: Specific amine
   Table 6: Specified phthalic esters
   Table 7: PFOS and its related substances
   Table 8: volatile organic compounds (VOC)
   Table 9: REACH Candidate List of SVHC

Appendix 3: Detailed List of Environmentally Hazardous Substances

Appendix 4: Analytical Method

Appendix 5: Environmentally Hazardous Substance Inclusion Report

Appendix 6: Reasons for Regulating the Environmentally Hazardous Substances

Appendix 7: Application for Exemption (Cancellation of Exemption) of Prohibited Substance
   Appendix 7-1: Application Routes for Exemption (Cancellation of Exemption) of Prohibited (Totally Eliminated) Substances
   Appendix 7-2: Application for Exemption/Cancellation of Exemption of Prohibited/Totally Eliminated Substances
1. Purpose

Our company is producing effectively and efficiently by using the beneficial properties of chemical substances. On the other hand, many of those chemical substances become harmful to the environment and people, when we make a mistake on the ways of using and controlling them. So it is an important subject for our producing activities to use the beneficial properties of those chemical substances excluding their harmful effects.

In particular, substances with great environmental effects and hazards must be under special control as environmentally hazardous substances.

As the responsibility of a business entity under such a background, it is intended to provide safe products with less environmental load and reduce the environmental load associated with the production activities by establishing environmentally hazardous substance control standard independent to our company transcending the legal regulations.

2. Scope of Application

(1) This standard shall apply to substances included in ALPS products, parts and materials used in ALPS manufacturing processes (processes operated in accordance with ALPS manufacturing specification), packaging materials, and other relevant substances (collectively "Objects"). The standard is also applicable to packaging materials for Objects.

If requested by customers, the standard shall apply also to facilities, jigs and tools, and furnishings.

(2) As a rule, the standard shall not apply to the following products except when the application is required as part of customer requirements stipulated in (1): reagents (for analysis, inspection, and test purposes), products for research and development (However, greengas substances is applied even in case of the research and development usage), construction materials, tubing, machinery, facilities, equipment, and any other products similar thereto. (However, the standard shall apply to greenhouse substances used for research and development.)

Reagents hereby mean those used for analysis, inspection, tests, or any other purposes similar thereto. The standard shall not apply to a reagent on condition that it is treated by or under the instruction of a person who fully understands hazardous, harmful property of the substance and that the substance is disposed of or discarded from the viewpoint of environmental protection. However, any environmentally hazardous substance used as a product material or in the manufacturing process shall not be regarded as a reagent.

(3) This standard shall not apply to chemical substances used by suppliers in their manufacturing processes, except for ozone-layer depleting substances.

However, the standard shall be applicable to any environmentally hazardous substance remaining in the product purchased by ALPS, even if the environmentally hazardous substance is used in the manufacturing process.

The control system for chemical substances used by suppliers shall be managed according to the "ALPS Environmental Evaluation Standard on Companies" in the "Green Procurement Standards".

(4) In principle, those contained intentionally are the object of the standard. However, if existing as impurities, those set with tolerances shall be applied with the standard.

(5) As a rule, any substance for which exemption is stipulated in domestic or foreign laws shall be treated as exempted substance.

Any substance ranked as "prohibited" may be exempted from parts evaluation upon the request of the sector in charge, in case the substance is prohibited not by law but by the Company and there is no appropriate alternative technique. The applying sector shall enter in the Application Form for "Application for Exemption/Cancellation of Exemption of Prohibited/Totally Eliminated Substances"(Appendix 7-2) the reason for application, the replacement or total elimination plan, the object product or process, the relevant regulations and any other related information, obtain an approval from the head of the Department, and submit the application form to the Environmental Planning Department.

The Environmental Planning Group shall call a Chemical Substance Specialist Working Group Meeting, and obtain an approval from the director in charge after consultation.

If the applying sector wishes to cancel the exemption, the sector shall also fill in Appendix 7-2 and notify the relevant sectors. This prescript shall be revised immediately after the exemption or cancellation of exemption of the substance.

The application procedure follows "Application Routes for Exemption (Cancellation of Exemption) of Prohibited (Totally Eliminated) Substances"(Appendix 7-1).
This standard covers chemical substances which main customers demand ALPS prohibit of use or totally eliminate. The timing of total elimination is different by customer, and thus shall be determined on an item basis. The standard is also a selection of environmentally hazardous substances related to most ALPS products. However, substances shall be recorded in individual specifications without omission, since there may be special regulations for some items, or unintentional inclusion of chemical substances therein.

Ex. Remaining solvents in printed paper

As a rule, each Department shall apply ALPS uniform standards, but if a Department needs to add a new environmentally hazardous substance, the Environmental Management Supervisor of the Department shall notify the fact of the Head of the Environmental Planning Group, CSR department. Thereafter, Environmental Planning Group members shall examine in periodical reviews whether to add the substance into this standards.

3. Definition of Terminologies

(1) Environmentally hazardous substances: Chemical substances which may give harmful effects to ecology including global environment and human being, such that are specified by our company. ("List of Environmentally Hazardous Substance(Group)", Appendix 1)

(2) Homogeneous material: A homogeneous material is one that cannot be mechanically disjointed into different materials. For this purpose, the term "homogeneous" means of "uniform composition throughout."

Examples of "homogeneous materials" are individual types of: plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.-

The term "mechanically disjointed" means that the materials can, in principle, be separated by mechanical actions such as: unscrewing, cutting, crushing, grinding and abrasive processes.

(3) Intentional inclusion: State of being added in order to provide the object material with the specified performance.

(4) Impurities: Unreacted residues existing in the applicable substances, residues impossible of technical removal in the refining processes, and nature originated substances contained unintentionally.

(5) Inclusion tolerance: Abbreviated to "tolerance". Measures of inclusion which may give influence as the environmentally hazardous substance. Two types of expressions may be used for environmentally hazardous substances in homogeneous materials: "specified content ratio", and "unintended inclusion". Called "threshold" value professionally. In case of unintended inclusion and inclusion ratio stipulate cleary is written in inclusion tolerance, inclusion ratio is mean for impurities in this standard.

(6) Plastics: Plastics refer to materials and raw materials composed of synthetic high-molecular polymers in this standard. More specifically, "plastics" mainly mean the following articles composed of synthetic high-molecular polymers: resins, films, adhesives, adhesive tapes, molded products, products made of synthetic rubber, and plastics made from raw materials of plant origin. When a natural resin is synthesized with any one of the above articles, the synthetic substance is a plastic.

(7) Chemically formed product: Aqueous solution having no particular shape, solid or powder such as detergent, adhesive, lubricant, mold release compound, abrasive, and wax, the chemical substance itself, or being mixture of chemical substances.

(8) Article: The "article" refers to an object to which during manufacture is given a particular shape, appearance or design that determines the function of the end-use to a degree larger than what is performed by the chemical composition.

(example: procurement parts, molding parts)

(9) Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use): This is a document peculiar to ALPS; it is intended to be used to obtain information about inclusion of environmentally hazardous substances. The report can be created by entering environmentally hazardous substances into an Excel file called "Collective Registration tool (hereafter, it is referred as Registration tool)" and printing it out. This document may be used as "Non-use guarantee letter".
(10) SDS(MSDS): A document for the supplier to provide information on hazardousness, applicable laws and regulations, precautions on handling and so on about a chemical without specific shape or its mixture such as chemical products and raw materials. It shall be obtained from the supplier for all of the previously described chemical products and raw materials.

(11) Component table: A table showing names and ratios of chemical substances composing a particular member, used as the verification material for non-use of substances prohibited of use. Also, it is considered the following documents as the component table.

【In case of Chemically Formed Products】
- SDS(MSDS) and Information Sheet on the Content of Certain Chemical Substances
- SDS(MSDS) and JAMP MSDSplus

【In case of Article】
- JAMP AIS

(12) JAMP MSDSplus: basic information transfer sheet, recommended by Joint Article Management Promotion-consortium (JAMP hereafter), to convey information of chemical substances contained in products. It carries information of targeted substances for management such as "names of applicable regulatory laws and regulations" which control ingredients contained in substances and preparations, "content or no content!", "names of substances", "CAS No.", and "concentration". It works as a supplement for SDS(MSDS) and is usually used with SDS(MSDS).

(13) JAMP AIS: basic information transfer sheet, recommended by JAMP, to convey information of chemical substances contained in products. It carries article information such as "mass", "portion", "material", and "content or no content of substances subjected to applicable regulatory laws and regulations/names of substances/content volume/concentration per article".

4. Newly introduce chemical substances or change of List of Environmentally Hazardous Substance.

When these laws & regulations and industry standards are revised, resulting in addition or change of a chemical substance, we will revision of List of Environmentally Hazardous Substance according to the procedure of "Procedure of how to deal with newly introduced chemical substances in relation to the environment standards and others(ASME014)".

   Procedure: ASME014 "Procedure of how to deal with newly introduced chemical substances in relation to the environment standards and others"

5. Procurement and Management of Inclusion Report and Other Documents

With regard to materials purchased by our company as regulated in the above scope of application, such documents shall be submitted as the Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use), analytical data, component table, SDS(MSDS), JAMP MSDSplus, or JAMP AIS as the verification data thereon, according to the types of respective object goods and the types of the chemical substances. ALPS shall obtain the verification data from each supplier. "Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use)" (Appendix 5) acts also as the guarantee letter on non-use of substances prohibited of use. This documents to guarantee non-inclusion of substances prohibited of use shall be valid in principle, as long as there is no change in the relevant facts. Please note, however, that ALPS may individually set the validity of the documents according to customer requirements.

For the verification method, please refer to the "List of Environmentally Hazardous Substance Control Standard" Appendix 2).

Report on inclusion of environmentally hazardous substances (or Guarantee of non-use of banned substances) should be created by a supplier; the supplier should enter necessary information in Collective Registration tool; because Collective Registration tool is changed whenever needed, the latest edition should be used for submission. Registration tool is available at the Green AXIS download page.

We must acquire from the supplier both the report and the Excel file; the report must carry necessary information as well as the corporate seal and the seal (or signature) of the responsible person.
6. Management Level of Chemical Substances

6.1 Management level

The environmentally hazardous substances have their risk to environment vary according to applications and use methods.

In addition, there may be cases where no adequate substitute technologies are available, and where the risk caused by not using the substances is greater than that in using them.

Based on the above assumptions, ALPS established the following two management levels so that adequate management can be put into practice.

(1) Prohibited substances: Substance whose risk to environment is determined serious from legal reasons whatever they may be, or precedents in the past. This means prohibition of use as of the present time, and its use and inclusion are not tolerated within the scope of application thereof. No exceptions are allowed particularly on the substance to which legal regulation is used as the base. In order to guarantee that prohibited substances are not contained in the purchased materials, it is required to submit the Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use), analytical data, component tables, or SDS(MSDS).

(2) Controlled substances: Substances with which it is intended to actualize them being environmentally hazardous substances at the present time to carry out appropriate control as the prime object, and which have a possibility of being ranked up to the totally eliminated substances according to the future findings, and trend in the social environment and legal regulations. Substances for uses specified of exception for application according to laws and regulations inside and outside the country shall be treated as the controlled substances.

The terms "monitored substance" and "regulated substance" shall be regarded as synonyms of "controlled substance".

Get the report in case of intended inclusion that is contained controlled substance. At this time, have the report only when it contains it exceeding the permissible value about the substance such as impurities not intentionally contained.

6.2 Environmentally hazardous substance contained in products and environmentally hazardous substance used in manufacturing processes

Environmentally hazardous substances that require control may be conceived in the following two types of "process" or "products " to which different control standards is applied respectively.

We shall judge and instruct to each supplier which category each environmentally hazardous substance falls under. For substances treated as environmentally hazardous substance, please refer to the "List of Environmentally Hazardous Substance(Group)" (Appendix 1) or the "List of Environmentally Hazardous Substance Control Standard" (Appendix 2).

(1) processes: Chemically formed products used to bring about special effects in ALPS or suppliers’ manufacturing process controlled by ALPS manufacturing specification, which are not remaining or being contained in the manufactured products.

These substances require controls to minimize the effects on factory wastes treatment, air, water quality, and soil, and the effects on health harmfulness to human bodies.

The SDS(MSDS) is used generally as the verification means thereon. The sector in charge of investigation shall obtain MSDS and take necessary measures, for the purposes of management and legal compliance.

The conditions described in paragraph (2) above shall apply to substances adhered to or contained in the manufactured products, even if they are chemically formed products used in the manufacturing processes.

(2) products: Environmentally hazardous substances contained in raw materials, parts, and chemically formed products that constitute our company's products, and anticipated of inclusion also in the company's products ultimately. Since the final products using the company's products are subjected to legal regulations, special control is required at levels of parts and raw materials.

In order to observe the laws and regulations, the guarantee thereof is required by presenting the Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use), analytical data, and component tables.
6.3 Environmentally hazardous substance investigations

(1) Mass by piece  For parts and unit products, the mass by piece shall be recorded on a gram basis. For raw materials, chemically formed products, and any other substance having no particular shape, the mass by piece shall be recorded on a kilogram basis.

(2) Content amount  Shall be recorded in two significant digits on a milligram basis. At calculation, available are actual values, theoretical values, and design values. If the three values diverge from one another, the largest value shall be adopted.

(3) Inclusion position  The position hereby means the minimum unit constituting the investigation object. Investigation shall be conducted to check in which position environmentally hazardous substance is contained. It is desirable that the position consists of homogeneous materials from the viewpoint of consistency with ELV investigation. However, parts which are extremely small or mechanically inseparable may be treated as homogeneous materials.

   Ex1 IC: Designated as positions shall be packages, lead frames, bonding wires, and semi-conductor chips. Each semi-conductor chip has silicon substrates consisting of multi-layer films and is less than homogeneous materials, but shall be treated as a position since the chip is mechanically inseparable.

   Ex2 bearing gears: The bearing and the gear shall be regarded as two different positions, if they are impregnated with oil.

   Ex2 Galvanized steel plate: For parts on which surface treatment such as plating, the surface treatment layer shall be considered a different homogeneous position.

(4) Mass of position  Shall be calculated since regulations require the inclusion rate for each position. In such a case, sum up the parts and materials having different shapes but consisting of homogeneous materials.

(5) Inclusion rate  The inclusion rate for E.H.S. is the quotient of inclusion mass of E.H.S. by position divided by mass by position, and is usually indicated by ppm.

   Note: In case environmentally hazardous substance is included in ink used for printing the container and the ink is made with solvents, the parameter shall be the mass of solid ink after drying, not raw ink.

(6) Purpose of inclusion  State why the environmentally hazardous substance is included (used) in the product.

   Ex. Stabilizer, plasticizer, colorant, flame retardant, preservative, alloy component, enhancement of thermal stability, enhancement of electric characteristics, enhancement of friction and wear resistance, fixative, and mold release compound, etc.

(7) Metal compounds

   Metal compounds shall be surveyed on the basis of content amount, not metal converted value.

   The data shall be secondarily processed upon the request for metal conversion.

(8) Name of environmentally hazardous substances

   The material name assumes obtaining the answer by the material name corresponding to the CAS number in the "Detailed List of Environmentally Hazardous Substances(Appendix 3)" to be at a usual investigation.

   There are the representative substance name in Appendix 5. Report the material that can specify the CAS number even when there is no description in the list.

   It is used because there is the controlled number that starts from AL instead of the CAS number for the material without the CAS number.
6.4 Environmentally Hazardous Substances

For environmentally hazardous substances, please refer to the following appendices:

Appendix 1: List of Environmentally Hazardous Substance (Group)
Appendix 2: List of Environmentally Hazardous Substance Control Standard
Appendix 3: Detailed List of Environmentally Hazardous Substances

7. Document Control

(1) Revision and abolition

If it is necessary to change or revise due to social circumstances, customer requests, technical tendency, laws and regulations and so on, Environmental Planning Group, CSR Department of Headquarters shall prepare the draft which shall be checked by the Manager of Environmental Department and approved by the board member in charge after passing through examination by the chemical substance working members of chemical substance specialist meeting designated by the personnel responsible for environmental control in each office.

(2) Regular reviews

This standard shall be reviewed once a year so as to maintain consistency with regulations, social circumstances, customer requirements that are changing over time.

Notwithstanding the foregoing, the standard may be reviewed at the occurrence of each incident, in case of emergency.

(3) Sector in charge of creating this document

Environmental Planning Group, CSR Department, Headquarters
<table>
<thead>
<tr>
<th>No.</th>
<th>Environmentally hazardous substances</th>
<th>Scope applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ozone depleting substances</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>2</td>
<td>greenhouse substances</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>3</td>
<td>chloroform</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>4</td>
<td>glycol ether and its acetates</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>5</td>
<td>organic brominated solvents</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>6</td>
<td>benzene</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>7</td>
<td>aldehyde compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>8</td>
<td>organic chlorinated solvents</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>9</td>
<td>cadmium and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>10</td>
<td>mercury and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>11</td>
<td>lead and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>12</td>
<td>hexavalent chromium compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>13</td>
<td>lead, mercury, cadmium, and hexavalent chromium in wrapping material</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>14</td>
<td>organostannic compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>15</td>
<td>beryllium and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>16</td>
<td>asbestos</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>17</td>
<td>specified brominated flame retardants</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>18</td>
<td>brominated flame retardants</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>19</td>
<td>polychlorinated naphthalene</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>20</td>
<td>poly chlorinated biphenyl : PCB</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td></td>
<td>poly chlorinated terphenyls : PCT</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>21</td>
<td>chlorinated paraffins</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>22</td>
<td>azo dye/pigment forming specified amine compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>23</td>
<td>radioactive substances</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>24</td>
<td>xylene</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>25</td>
<td>toluene</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>26</td>
<td>antimony and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>27</td>
<td>chromium and its compounds (except hexavalent chromium compounds)</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>28</td>
<td>selenium and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>29</td>
<td>nickel and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>30</td>
<td>arsenic and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>31</td>
<td>organophosphorus compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>32</td>
<td>polyvinyl chloride</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>33</td>
<td>phthalic esters</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>34</td>
<td>perfluorooctane sulfonate and its related substances</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>35</td>
<td>polycyclic aromatic hydrocarbons and its mixtures</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>36</td>
<td>cobalt and its compounds</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>37</td>
<td>1-tert-butyl-3,5-dimethyl-2,4,6-trinitrobenzene, 5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>38</td>
<td>pitch, coal tar, high temp.</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>39</td>
<td>mineral fibres (natural or synthetic) except continuous filament fibres</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>40</td>
<td>2,4-dinitrotoluene</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Scope applicable</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td>41 biocidal coatings / biocidal additives</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>42 acrylamide</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>43 boric acid</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>44 disodium tetraborate, anhydrous</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>45 tetraboron disodium heptaoxide hydrate</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>46 volatile organic compounds</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>47 hydrazine</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>48 1-methylpyrrolidin-2-one(2-pyrrolidinone, 1-methyl)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>49 formaldehyde, oligomeric reaction products with aniline</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>50 4-(1,1,3,3-tetramethylbutyl)phenol</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>51 N,N-dimethylacetamide</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>52 phenolphthalein</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>53 hexachlorobenzene</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>54 chlorinated or brominated dioxins or furans</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>55 dodecachloropentacyclo 1, 3, 4-metheno-1H-cyclobuta(cd)pentalene, mirex</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>56 4-nitrobiphenyl and its salts</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>57 n-nitrosamines</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>58 phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>59 vinyl chloride monomer</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>60 [(4-[4,4',bis(dimethylamino)benzydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>61 chlorinated flame retardants</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>62 specified organic pigment</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>63 1,2-bis(2-methoxyethoxy)ethane (TEGDE; triglyme)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>64 Diboron trioxide</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>65 formamide</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>66 TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>67 β-TGIC (1,3,5-tris(2S and 2R)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>68 4,4'-bis(dimethylamino)benzophenone (Michler’s ketone)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>69 N,N,N',N'-tetramethyl-4,4'-methylenedianiline (michler's base)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>70 [4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene dimethylammonium chloride (C.I. basic blue 26)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>71 α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. solvent blue 4)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>72 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>73 pentacosafuorotridecanoic acid</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>74 tricosafuorododecanoic acid</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>75 heptacosafuorotetradecanoic acid</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>76 diazene-1,2-dicarboxamide (C,C'-azodi(formamide))</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>77 cyclohexane-1,2-dicarboxylic anhydride (hexahydrophthalic anhydride - HHPA)</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>78 hexahyrdromethylphthalic anhydride, hexahydro-4-methylphthalic anhydride, hexahydro-1-methylphthalic anhydride, hexahydro-3-methylphthalic anhydride</td>
<td>Electric Automotive</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Environmentally hazardous substances</td>
<td>Scope applicable</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>80</td>
<td>4-nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>81</td>
<td>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - [covering well-defined substances and UVCB substances, polymers and homologues]</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>82</td>
<td>methoxyacetic acid</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>83</td>
<td>methylxirane (propylene oxide)</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>84</td>
<td>1,2-benzenedicarboxylic acid, dipentylester, branched and linear</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>85</td>
<td>1,2-diethoxycetane</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>86</td>
<td>furan</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>87</td>
<td>diethyl sulphate</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>88</td>
<td>dimethyl sulphate</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>89</td>
<td>3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>90</td>
<td>dinoseb (6-sec-butyl-2,4-dinitrophenol)</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>91</td>
<td>acetamide, n-methyl-</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>92</td>
<td>dimethylformamide (N,N-dimethylformamide)</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>93</td>
<td>4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>94</td>
<td>PFOA and its salts, perfluorooctanoic acids C8F15O2X (X = H, NH4, and metal salts)</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>95</td>
<td>phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)-</td>
<td>Electric Automotive</td>
</tr>
<tr>
<td>96</td>
<td>acetamide</td>
<td>--</td>
</tr>
<tr>
<td>97</td>
<td>acetonitrile</td>
<td>--</td>
</tr>
<tr>
<td>98</td>
<td>acrylonitrile</td>
<td>--</td>
</tr>
<tr>
<td>99</td>
<td>ammonium perchlorate</td>
<td>--</td>
</tr>
<tr>
<td>100</td>
<td>aniline and its salts</td>
<td>--</td>
</tr>
<tr>
<td>101</td>
<td>aromatic amines</td>
<td>--</td>
</tr>
<tr>
<td>102</td>
<td>barium compounds (organic or water soluble)</td>
<td>--</td>
</tr>
<tr>
<td>103</td>
<td>benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)</td>
<td>--</td>
</tr>
<tr>
<td>104</td>
<td>1,4-benzenediamine, N,N' -mixed Ph and tolyl derivs</td>
<td>--</td>
</tr>
<tr>
<td>105</td>
<td>2-benzothiazolesulphonamide, N, N-dicyclohexyl-</td>
<td>--</td>
</tr>
<tr>
<td>106</td>
<td>butadiene, 1,3 -</td>
<td>--</td>
</tr>
<tr>
<td>107</td>
<td>colophony (rosin)</td>
<td>--</td>
</tr>
<tr>
<td>108</td>
<td>copper</td>
<td>--</td>
</tr>
<tr>
<td>109</td>
<td>cyclohexene</td>
<td>--</td>
</tr>
<tr>
<td>110</td>
<td>2-cyclohexen-1-one, 3,5,5-trimethyl-</td>
<td>--</td>
</tr>
<tr>
<td>111</td>
<td>cyclopentasiloxane, decamethyl-</td>
<td>--</td>
</tr>
<tr>
<td>112</td>
<td>cycloctasiloxane, heptamethylphenyl-</td>
<td>--</td>
</tr>
<tr>
<td>113</td>
<td>cycloctasiloxane, octamethyl-</td>
<td>--</td>
</tr>
<tr>
<td>114</td>
<td>decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl)ester</td>
<td>--</td>
</tr>
<tr>
<td>115</td>
<td>epichlorohydrin (1-chloro-2,3-epoxypropane)</td>
<td>--</td>
</tr>
<tr>
<td>116</td>
<td>1-ethenylpyrrolidin-2-one (2-Pyrrolidione, 1-ethenyl-)</td>
<td>--</td>
</tr>
<tr>
<td>117</td>
<td>fatty acids, C6-19-branched, zinc salts</td>
<td>Automotive</td>
</tr>
<tr>
<td>118</td>
<td>fluorotelomers</td>
<td>Automotive</td>
</tr>
<tr>
<td>119</td>
<td>2-furancarboxaldehyde</td>
<td>Automotive</td>
</tr>
<tr>
<td>120</td>
<td>hexanedioic acid, bis(2-ethylhexyl) ester</td>
<td>Automotive</td>
</tr>
<tr>
<td>121</td>
<td>hexanoic acid, 2-ethyl-</td>
<td>Automotive</td>
</tr>
<tr>
<td>122</td>
<td>methylacrylamidomethoxy-acetate</td>
<td>Automotive</td>
</tr>
<tr>
<td>123</td>
<td>2-naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo]-</td>
<td>Automotive</td>
</tr>
<tr>
<td>124</td>
<td>nitrites</td>
<td>Automotive</td>
</tr>
<tr>
<td>125</td>
<td>nitrocellulose</td>
<td>Automotive</td>
</tr>
<tr>
<td>126</td>
<td>nonylphenol</td>
<td>Automotive</td>
</tr>
<tr>
<td>127</td>
<td>nonylphenol ethoxylates</td>
<td>Automotive</td>
</tr>
<tr>
<td>128</td>
<td>7-oxa-3,20-diazadispiro[5.1.11.2]-heneicosan-21-one, 2,2,4,4-tetramethyl-</td>
<td>Automotive</td>
</tr>
<tr>
<td>129</td>
<td>perchlorates</td>
<td>Automotive</td>
</tr>
<tr>
<td>130</td>
<td>phenol</td>
<td>Automotive</td>
</tr>
<tr>
<td>131</td>
<td>phenol, 2,4,6-tris(1,1-dimethylethyl)</td>
<td>Automotive</td>
</tr>
<tr>
<td>132</td>
<td>phenyldiamines and its salts</td>
<td>Automotive</td>
</tr>
<tr>
<td>133</td>
<td>phosphonium, triphenyl(phenylmethyl)-, salt with 4,4’-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)</td>
<td>Automotive</td>
</tr>
<tr>
<td>134</td>
<td>polyamine curing agents</td>
<td>Automotive</td>
</tr>
<tr>
<td>135</td>
<td>silica, crystalline</td>
<td>Automotive</td>
</tr>
<tr>
<td>136</td>
<td>siloxanes and silicones</td>
<td>Automotive</td>
</tr>
<tr>
<td>137</td>
<td>sodium azide</td>
<td>Automotive</td>
</tr>
<tr>
<td>138</td>
<td>vinyl benzene</td>
<td>Automotive</td>
</tr>
<tr>
<td>139</td>
<td>styrene oxide (epoxy styrene)</td>
<td>Automotive</td>
</tr>
<tr>
<td>140</td>
<td>thallium and its compounds</td>
<td>Automotive</td>
</tr>
<tr>
<td>141</td>
<td>thioperoxydicarbonic diamide([(H2N)C(S)]2S2), tetramethyl-</td>
<td>Automotive</td>
</tr>
<tr>
<td>142</td>
<td>vanadium(V) oxide</td>
<td>Automotive</td>
</tr>
</tbody>
</table>
### Appendix 2-1: List of Environmentally Hazardous Substance Control Standard (For Electric)

Note 1) Process indicates the manufacturing process of our company. Only the ozone-depleting substance indicates including the process of supplier, too.

Note 2) “Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use)” is hereafter, it is referred as “E.H.S. inclusion report” in Necessary Documents.

<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Control items</th>
<th>Tolerance (threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>1</em> ozone depleting substances</td>
<td>Process</td>
<td>1000ppm</td>
<td>Use prohibition in manufacturing process including supplier. Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>Drawing or delivery specification, SDS(MSDS), if necessary E.H.S.inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>1000ppm</td>
<td>Product using ozone-depleting substance. Treatments such as cleaning and foaming. Applies to foaming cushioning material using ODC.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>1000ppm</td>
<td>The substances listed in Appendix3, and the substances whose GWP (100 years) is 1500 or large must not be used (except when it is used as cooling medium). Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>Drawing or delivery specification, SDS(MSDS) if necessary, E.H.S.inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td><em>2</em> greenhouse substances</td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>GWP 100 year value of less than 1500. Thin film forming application such as semiconductor, liquid crystal rinsing, etching gas</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td><em>3</em> chloroform</td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>All applications</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>1000ppm</td>
<td>With regards to proven reproductive toxicant. Refer to Table5. Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>Drawing or delivery specification, SDS(MSDS), if necessary E.H.S.inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>All applications excepting above. Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>To be confined to the substances proven to have reproductive toxicant as in Table3 “Glycol ether and its acetates with regards to proven reproductive toxicant” as well as EGDMDE (ethylene glycol dimethyl ether) or 1,2-dimethoxyethane. All the applications including lithium primary battery, lithium secondary battery (coin-cell), electrolytic capacitor, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td><em>4</em> glycol ether and its acetates</td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>All applications excepting above.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>To be confined to the substances proven to have reproductive toxicant as in Table3 “Glycol ether and its acetates with regards to proven reproductive toxicant” as well as EGDMDE (ethylene glycol dimethyl ether) or 1,2-dimethoxyethane. All the applications including lithium primary battery, lithium secondary battery (coin-cell), electrolytic capacitor, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td><em>5</em> organic brominated solvents</td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>All applications excepting above.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td><em>6</em> benzene</td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>All applications excepting above.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>Solder, or resin raw material, etc.</td>
<td>Drawing or delivery specification, SDS(MSDS), if necessary, E.H.S.inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td><em>7</em> aldehyde compounds</td>
<td>Process</td>
<td>15ppm</td>
<td>All applications excepting such as emitted substance from polymer components. Fiber in human body contact part of product made as function to touch body continuing. Antiseptic of wood.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>Emitted substance from polymer component/ Molding resin material, Principal ingredient of adhesive, etc</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td><em>8</em> organic chlorinated solvents</td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>All applications</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
<tr>
<td></td>
<td>Process</td>
<td>unlimited inclusion</td>
<td>carbon tetrachloride, and 1,1,1-trichloroethane</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary Analysis data</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 2-1: List of Environmentally Hazardous Substance Control Standard (For Electric)
<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Application</th>
<th>Control level</th>
<th>Tolerance (threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 cadmium and its compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>5 ppm</td>
<td>plastic, ink, paint, rubber</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>100 ppm</td>
<td>All applications other than packaging parts, surface treatment, photographic film, fluorescent lamps, electric contact such as DC motor contact, switch, temperature fuse, pigment of glass and glass paint, solder (20 ppm or greater), fluorescent matter, light conductive cell resistor, resistor paste, and NiCd battery, etc.</td>
<td>Table1, Applications exempted from the prohibition in RoHS Article.</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>100 ppm</td>
<td>Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td></td>
</tr>
<tr>
<td>10 mercury and its compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>All applications excepting Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data.</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>All applications excepting Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td></td>
</tr>
<tr>
<td>11 lead and its compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>100 ppm</td>
<td>plastic, ink, paint, rubber</td>
<td>Refer to appendix4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>All applications excepting Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td></td>
</tr>
<tr>
<td>12 hexavalent chromium compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>All applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Pigment, surface treatment, etc.</td>
<td></td>
</tr>
<tr>
<td>13 lead, mercury, cadmium, and hexavalent chromium in wrapping material</td>
<td>Product</td>
<td>Prohibited</td>
<td>Sum of Pb, Ca, Hg, Cr (VI): 100 ppm or less, however, cadmium in plastics: less than 5 ppm</td>
<td>Wrapping materials disposed in ALPS process</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>100 ppm</td>
<td>Use of all Dibutyltin compounds and Diocetyl tin compounds for which the tin element exceeds 0.1 wt% is prohibited.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>100 ppm</td>
<td>Use of all Dibutyltin compounds and Diocetyl tin compounds for which the tin element exceeds 0.1 wt% is prohibited.</td>
<td></td>
</tr>
<tr>
<td>14 organostannic compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>use of all applications such as paint, ink, fungicide, PVC stabilizer, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Product packaging carton, returnable case, tray, reel, magazine, stick, sheet, wrap, bag, step, cardboard, paint, ink, tape, binding band, label, cushioning material, etc.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>All applications excepting Table1, Applications exempted from the prohibition in RoHS Article.</td>
<td></td>
</tr>
<tr>
<td>15 beryllium and its compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>Applies to beryllium copper with less than 3% beryllium</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Applies to beryllium and its compounds</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Applies to beryllium and its compounds</td>
<td></td>
</tr>
<tr>
<td>16 asbestos</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>17 specified brominated flame retardants</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td>18 brominated flame retardants</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td>19 polychlorinated naphthalene</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td>20 PCB : poly chlorinated biphenyl</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>PCT : poly chlorinated naphthalene</td>
<td>Product</td>
<td>Controlled</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>Unintended inclusion</td>
<td>1000 ppm</td>
<td>Applies to all applications.</td>
<td></td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 2-1: List of Environmentally Hazardous Substance Control Standard

For Electric
<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Control</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>chlorinated paraffins</td>
<td>Product</td>
<td>short chain (C10-13) chlorinated paraffins</td>
<td>Drawing or delivery specification, SDS(MSDS), if necessary, E.H.S. inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>middle chain (C14-17) chlorinated paraffins</td>
<td>Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td>organophosphorus compounds</td>
<td>Product</td>
<td>short chain (C10-13) chlorinated paraffins</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>Product</td>
<td>All applications except short chain and middle chain paraffins</td>
<td></td>
</tr>
<tr>
<td>azo-dye/pigment forming specified amine compounds</td>
<td>Product</td>
<td>Azo dye having possibility of generating specific amine in Table 5 due to decomposition, being dye in human body contacting part of product made as function to contact human body continually</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>radioactive substances</td>
<td>Product</td>
<td>Applies to all materials that have a part that is not in persistent contact with the human body</td>
<td></td>
</tr>
<tr>
<td>xylene</td>
<td>Product</td>
<td>Liquefaction formed product such as cleaner, adhesive, lubricant, mold releaser</td>
<td>Drawing or delivery specification, SDS(MSDS), if necessary E.H.S. inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td>toluene</td>
<td>Product</td>
<td>Liquefaction formed product such as cleaner, adhesive, lubricant, mold releaser</td>
<td></td>
</tr>
<tr>
<td>antimony and its compounds</td>
<td>Product</td>
<td>Applies to auxiliary flame retardants, solder compositions, semiconductor doping agents, glass, etc.</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>chromium and its compounds (except hexavalent chromium compounds)</td>
<td>Product</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>selenium and its compounds</td>
<td>Product</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>nickel and its compounds</td>
<td>Product</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>arsenic and its compounds</td>
<td>Product</td>
<td>&quot;arsenic acid, lead (4+) salt&quot; applies to the lead compound</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>organophosphorus compounds</td>
<td>Product</td>
<td>Semiconductors doping agents, compound semiconductors, pigments, glass coloring agents, etc.</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>polyvinyl chloride</td>
<td>Product</td>
<td>Applies to all applications. For cable covers, capacitor sleeves, labels, tape, packaging materials</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>phthalic esters</td>
<td>Product</td>
<td>Specified phthalic esters (groups 1 &amp; II) listed in the table must not be used for plastic material whose applications are toys and nursery products</td>
<td>Drawing or delivery specification, E.H.S. inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Application/Control</td>
<td>Tolerance (threshold)</td>
<td>Object, Usage, etc.</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>---------------------</td>
<td>----------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>perfluorooctane sulfonate and its related substances</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. However, the applications described below are excluded; A) Photo resist used in the photolithography processes, or when used as an antireflective coating agent B) Photographic coating agent used for film, paper and lithographic plate.</td>
</tr>
<tr>
<td>polycyclic aromatic hydrocarbons and its mixtures</td>
<td>Product/Controlled</td>
<td>1µg/m²</td>
<td>When used for textiles and used as a coating agent for other materials, it must not be contained beyond 1µg/m².</td>
</tr>
<tr>
<td>cobalt and its compounds</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>1,3,5-trinitrobenzene, 1-tert-butyl-3,5-dimethyl-2,4,6-trinitro-m-xylene(musk xylene)</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. For flavors and fragrances (soap, detergents, creams, perfume, etc.)</td>
</tr>
<tr>
<td>pitch, coal tar, high temp.</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. For electrode binding agents, etc.</td>
</tr>
<tr>
<td>mineral fibres (natural or synthetic) except continuous filament fibres</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. For insulation material used as a substitute for asbestos</td>
</tr>
<tr>
<td>2,4-dinitrotoluene</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. For organic, synthetic raw materials, etc.</td>
</tr>
<tr>
<td>biocidal coatings / biocidal additives</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to dimethyl fumarate such as for fungicides</td>
</tr>
<tr>
<td>acrylamide</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>boric acid</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>tetraboron disodium heptaoxide hydrate</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>volatile organic compounds</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>With regards to dichloromethane, trichloroethylene, and chloroform, applies to all applications.</td>
</tr>
<tr>
<td>hydrazine</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>1-methylpyrrolidin-2-one(2-pyrrolidinone, 1-methyl)</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>formaldehyde, oligomeric reaction products with aniline</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. Raw material for synthesis of a chemical (polyethylene polyphenyl polyisocyanate [PMDI])</td>
</tr>
<tr>
<td>4-(1,1,3,3-tetramethylbiphenyl)</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. Raw material for oil-soluble phenol resin, surfactant.</td>
</tr>
<tr>
<td>N,N-dimethylacetamide</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>phenolphthalein</td>
<td>Product/Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications. Use in a laboratory (e.g. pH indicator), dyes, indicators.</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Application level</td>
<td>Tolerance (threshold)</td>
<td>Object, Usage, etc.</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>hexachlorobenzene</td>
<td>unintended inclusion</td>
<td>Applies to all applications. Raw material for colormut.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>chlorinated or brominated dioxins or furans</td>
<td>10ppb</td>
<td>Applies to all applications. Impurities contained in a product, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>dodecachloropentacyclo 1, 3, 4- metheno-1H-cyclobuta(c)pentane, mirex</td>
<td>1000ppm</td>
<td>Applies to all applications. Insecticides, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>4-nitrophenyl and its salts</td>
<td>1000ppm</td>
<td>Applies to all applications. Impurities contained in paint, antioxidant in lubricant, rubber/latex, plastic and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>n-nitrosamines</td>
<td>unintended inclusion</td>
<td>It is limited to the substance, N-nitroso dimethyl amine(CAS No: 62-75-9)</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethyl)-</td>
<td>1000ppm</td>
<td>Applies to all applications. Ultraviolet absorber for plastic and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>vinyl chloride monomer</td>
<td>5ppm</td>
<td>Applies to all applications. Residual monomer in a product and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>diborane trioxide</td>
<td>1000ppm</td>
<td>Applies to all applications. Pharmaceuticals, bacteria stains, dyes and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>chlorinated flame retardants</td>
<td>1000ppm</td>
<td>Applies to all applications. Flame retardants, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>specified organic pigment</td>
<td>unintended inclusion</td>
<td>The organic pigment including PCB above 50ppm. Applies to all applications.</td>
<td>Drawing or delivery specification, SDS(MSDS), if necessary, E.H.S.inclusion report, Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus</td>
</tr>
<tr>
<td>1,2-bis(2-methoxyethoxy)ethane</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Solvent, processing aid of industrial chemicals</td>
</tr>
<tr>
<td>diboron trioxide</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Raw materials of glass, glass fibers, glass frit, adhesives</td>
</tr>
<tr>
<td>formamide</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Intermediate, chemical organic solvent</td>
</tr>
<tr>
<td>TGIC (1,3,5-tri(oxiran-2-y1)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Hardener in resins and coatings, Used in inks for the printed circuit board industry</td>
</tr>
<tr>
<td>β-TGIC (1,3,5-tris(28 and 2R)-2,2,3-trisopropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Hardener in resins and coatings, Also used in inks for the printed circuit board industry, stabilisers for plastics.</td>
</tr>
<tr>
<td>4,4'-bis(dimethylaminophenyl)benzophenone (michler's ketone)</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Intermediate in the manufacture of triphenylmethane dyes, Dye intermediate</td>
</tr>
<tr>
<td>N,N',N'-tetramethyl-4,4'-dimethyleneaniline (michler's base)</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Intermediates for organic synthesis, Intermediate of organic, synthetic medium</td>
</tr>
<tr>
<td>[4-[4-amino-1-naphthyl][4-dimethylamino]phenyl]methylene nitrile oxycyclohexa-2,5-dien-1-yldene dimethylammonium chloride (C.I. basic blue 26)</td>
<td>unintended inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications. Dyes, Ink, Coating agent for molding</td>
</tr>
</tbody>
</table>

**ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 2-1: List of Environmentally Hazardous Substance Control Standard**
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
<th>Application Level</th>
<th>Tolerance (Threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALPS</td>
<td>n,n-Bis(4- (dimethylamino)phenyl)-4-(phenylamino)naphthalene-1-methanol (C.I. solvent blue 4)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Dyes, ink, Coating agent for molding</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>4,4’-bis(dimethylamino)-4’- (methylamino)trityl alcohol</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Printing inks, Dye intermediate</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>pentacosfluorotetradecanoic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Phospholipid surfactant</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>tricosfluorododecanoic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>heptacosfluorodecanoic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>hexacosfluoroundecanoic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>heptacosfluorotetradecanoic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Phospholipid surfactant</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>diazene-1,2-dicarboxamide (C,C’-heptacosafluorotetradecanoic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Blowing agent of rubber and plastic</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>cyclohexane-1,2-dicarboxylic anhydride (hexahydrophthalic anhydride - HHPA)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Pharmaceuticals, agricultural chemicals, pesticides.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>hexahydromethylphthalic anhydride, hexahydro-4-methylphthalic anhydride, hexahydro-1-methylphthalic anhydride, hexahydro-3-methylphthalic anhydride</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>4-oxo[phenol, branched and linear (substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB and well-defined substances which include any of the individual isomers or a combination thereof)]</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - (covering well-defined substances and UVCB substances, polymers and homologues)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>methoxyacetic acid</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Intermediate for organic synthesis.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>methylolcarboxylic acid (propylene oxide)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>1,2-benzene dicarboxylic acid, dipentylester, branched and linear</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Nitrilerubber</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>1,2-diethyloxethane</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Nitroelastomer</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>tetran</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Organic, synthetic raw materials, solvents, cleaner</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>diethyl sulphate</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>ALPS</td>
<td>dimethyl sulphate</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>Environmental hazardous substances</td>
<td>Application</td>
<td>Tolerance (threshold)</td>
<td>Object, Usage, etc.</td>
<td>Necessary Documents</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-------------</td>
<td>-----------------------</td>
<td>---------------------</td>
<td>---------------------</td>
<td></td>
</tr>
<tr>
<td>89 3-ethyl-2-methyl-5-(3-methylbutyl)-1,3-oxazolidine</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>90 dinitro (6-sec-butyl-2,4-dinitrophenol)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>91 acetamide, n-methyl-</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>92 dimethylformamide (N,N-dimethylformamide)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>93 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>94 PFOA (PFOA and its salts, perfluorooctanoic acids CAS:15022-67-1)</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>95 phenol, 2-(5-chloro-2H-benzoazol-2-yl)-4,6-bis[1H-dimethyl]</td>
<td>Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Object, Usage, etc.</td>
<td>Tolerance (threshold)</td>
<td>Process</td>
<td>Control Standard</td>
<td>Application</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>---------------------</td>
<td>-----------------------</td>
<td>---------</td>
<td>-----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>1 ozone depleting substances</td>
<td>Use prohibition in manufacturing process including supplier. Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Product</td>
</tr>
<tr>
<td>2 greenhouse substances</td>
<td>Product using ozone-depleting substance. Treatments such as cleaning and foaming. Applies to foaming cushioning material using ODC.</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
<tr>
<td>3 chloroform</td>
<td>All applications</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
<tr>
<td>4 glycol ether and its acetates</td>
<td>With regards to proven reproductive toxicants. Refer to Table1. Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
<tr>
<td>5 organic brominated solvents</td>
<td>All applications excepting above. Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
<tr>
<td>6 benzene</td>
<td>With regards to proven reproductive toxicants. Refer to Table4. Liquid chemically formed product such as adhesive, lubricant, mold releaser.</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
<tr>
<td>7 aldehyde compounds</td>
<td>All applications excepting as emitted substance from polymer components. Fiber in human body contact part of product made as function to touch body continuing. Antiseptic of wood</td>
<td>15ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
<tr>
<td>8 organic chlorinated solvents</td>
<td>Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.</td>
<td>1000ppm</td>
<td>Prohibited</td>
<td>Process</td>
<td>Control Standard</td>
</tr>
</tbody>
</table>

**Note 1:** Process indicates the manufacturing process of our company. Only the ozone-depleting substance indicates including the process of supplier, too.

**Note 2:** “Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use)” is hereafter, it is referred as “E.H.S. Inclusion Report” in Necessary Documents.

**Application level Tolerance:**
- **Prohibited**
- **Controlled**
- **Unintended**

**Prohibited**
- Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.

**Controlled**
- Liquid chemically formed product such as adhesive, lubricant, mold releaser.

**Unintended**
- Liquid chemically formed product such as cleaner, adhesive, lubricant, mold releaser.

**Process of our company:**
- All applications
- All applications excepting above
- With regards to proven reproductive toxicants. Refer to Table3
- With regards to proven reproductive toxicant as in Table-3 "Glycol ether and its acetates with regards to proven reproductive toxicant" as well as EGDME (ethylene glycol dimethyl ether or 1,2-dimethoxyethane)

**Alcohol compounds:**
- Solder, or resin raw material, etc.
- Prohibited

**Substances:**
- All applications excepting fuel constituent.
- All applications excepting above.
- All applications excepting as emitted substance from polymer components.

**Control Standard:**
- GWP 100 year value of less than 1500.
- Thin film forming application such as semiconductor, liquid crystal rinsing, etching gas

**Control Standard:**
- GWP 100 year value of less than 1500.
- Thin film forming application such as semiconductor, liquid crystal rinsing, etching gas

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 2-2: List of Environmentally Hazardous Substance Control Standard (For Automotive)
<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Tolerance (threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 cadmium and its compounds</td>
<td>5ppm</td>
<td>plastic, ink, paint, rubber</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>100ppm</td>
<td>All applications other than packaging parts, surface treatment, photographic film, fluorescent lamps, electric contact such as DC motor contact, switch, temperature fuse, pigment of glass and glass paint, solder (20 ppm or greater), fluorescent matter, light conductive cell resistor, resistor paste, and Ni-cd battery, etc.</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 100ppm</td>
<td>Table 2 Applications exempted from the prohibition in ELV.</td>
<td></td>
</tr>
<tr>
<td>10 mercury and its compounds</td>
<td>1000ppm</td>
<td>All applications excepting Table 2 Applications exempted from the prohibition in ELV.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 1000ppm</td>
<td>Table 2 Applications exempted from the prohibition in ELV.</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td>11 lead and its compounds</td>
<td>100ppm</td>
<td>plastic, ink, paint, rubber</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 1000ppm</td>
<td>All applications excepting Table 2 Applications exempted from the prohibition in ELV.</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 1000ppm</td>
<td>Table 2 Applications exempted from the prohibition in ELV.</td>
<td></td>
</tr>
<tr>
<td>12 hexavalent chromium compounds</td>
<td>1000ppm</td>
<td>All applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>sum of Pb, Cd, Hg, Cr (VI): 100 ppm or less. However, cadmium in plastics: less than 5 ppm</td>
<td>Wrapping materials disposed in ALPS process</td>
<td>Drawing or delivery specification, if necessary, E.H.S.inclusion report, Analysis data</td>
</tr>
<tr>
<td>13 lead, mercury, cadmium, and hexavalent chromium in wrapping material</td>
<td>1000ppm</td>
<td>With regards to triphenyltin compounds, tributyltin compounds, and other tri-substituted organostannic compounds, this status applies to the use of all applications such as paint, ink, fungicide, PVC stabilizer, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Analysis data</td>
</tr>
<tr>
<td></td>
<td>tin element of 1000ppm or less in the product</td>
<td>Use of all Dibutyl tin compounds and Diocetyl tin compounds for which the tin element exceeds 0.1wt% is prohibited.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 1000ppm</td>
<td>Regarding other organostannic compounds, this status applies to all applications</td>
<td></td>
</tr>
<tr>
<td>14 organostannic compounds</td>
<td>1000ppm</td>
<td>Product packaging carton, returnable case, tray, reel, magazine, stick, sheet, wrap, bag, step, cardboard, paint, ink, tape, binding band, label, cushioning material, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 1000ppm</td>
<td>All applications excepting Table 2 Applications exempted from the prohibition in ELV.</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>Table 2 Applications exempted from the prohibition in ELV.</td>
<td>Use of all B-1trisubstituted organostannic compounds, this status applies to all applications</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td>15 beryllium and its compounds</td>
<td>1000ppm</td>
<td>Applies to all non-controlled applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td></td>
<td>unintended inclusion 1000ppm</td>
<td>Alloys and ceramics</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td></td>
<td>Table 2 Applications exempted from the prohibition in ELV.</td>
<td>Applies to beryllium copper with less than 3% beryllium</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td>16 asbestos</td>
<td>1000ppm</td>
<td>Applies to all applications. Insulations materials and bulking agents, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>17 specified brominated flame retardants</td>
<td>1000ppm</td>
<td>All applications. PBB, PBDE. Flame retardants for plastic, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data, Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td>18 brominated flame retardants</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. For flame retardants for plastics or printed-wiring boards</td>
<td>Refer to appendix 4 Analytical Method.</td>
</tr>
<tr>
<td>19 polychlorinated napthalene</td>
<td>1000ppm</td>
<td>Applies to all applications such as for lubrication oil and paint, etc. Ones with chlorine number greater than 3.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>20 PCB : poly chlorinated biphenyl, PCT : poly chlorinated terphenyls</td>
<td>1000ppm</td>
<td>Applies to all applications. For oil-immersed transformers, capacitors, insulation oil and flame retardants, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 2-2: List of Environmentally Hazardous Substance Control Standard

Refer to "(ASMP001) Parts Evaluation Procedures" 4.
<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Application in the Process</th>
<th>Tolerance (threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents</th>
</tr>
</thead>
</table>
| Chlorinated paraffins              | Permitted/Controlled     | 1000ppm              | short chain (C10-13) chlorinated paraffins  
Applies to all applications. | Drawing or delivery specification, SDS(MSDS), if necessary E.H.S.inclusion report,  
Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus |
|                                    | Permitted/Controlled     | unintended inclusion  
1000ppm              | middle chain (C14-17) chlorinated paraffins  
Applies to all applications. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
|                                    | Permitted/Controlled     | 1000ppm              | short chain (C10-13) chlorinated paraffins  
Applies to all applications. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
|                                    | Permitted/Controlled     | unintended inclusion  
1000ppm              | All applications excepting short chain and middle chain paraffins. | |
| Azo dye/pigment forming specified amine compounds | Permitted/Controlled     | 1000ppm              | Applies to azo dye having possibility of generating specific amine  
in Table 5 due to decomposition, being dye in human body contacting part of product made as function to contact human body continually. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
|                                    | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all materials that have a part that is not in persistent contact with the human body | |
| Radioactive substances             | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications.  
For optical glass and fluorescent substances, etc. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Xylene                             | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to liquefaction formed product such as cleaner, adhesive, lubricant, mold releaser. | Drawing or delivery specification, SDS(MSDS), if necessary E.H.S.inclusion report,  
Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus |
| Toluene                            | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to liquefaction formed product such as cleaner, adhesive, lubricant, mold releaser. | Drawing or delivery specification, SDS(MSDS), if necessary E.H.S.inclusion report,  
Information Sheet on the Content of Certain Chemical Substances, JAMP MSDSplus |
| Antimony and its compounds         | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications.  
For auxiliary flame retardants, solder compositions, semiconductor doping agents, glass, etc. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Chromium and its compounds (except hexavalent chromium compounds) | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications.  
For alloy, pigment, glass additive,etc. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Selenium and its compounds         | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications.  
For photosensitive matter, pigments, photovoltaic cells, solar sell, magnetic core, etc. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Nickel and its compounds            | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications.  
For plating, alloy, ferrite, batteries, etc. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Arsenic and its compounds           | Permitted/Controlled     | 1000ppm              | arsenic acid, lead (4+) salt applies to the lead compound | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Organophosphorus compounds         | Permitted/Controlled     | unintended inclusion  
1000ppm              | It is limited to the substances,  
1. tria-1-aziridinyl) phosphine oxide(CAS No.545-55-1)  
2. tri(2,3-dibromopropyl)phosphate [tris(CAS No.126-72-7)]  
Applies to all applications. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Polyvinyl chloride                  | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications.  
For cable covers, capacitor sleeves, labels, tape, packaging materials | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Phthalic esters                    | Permitted/Controlled     | 1000ppm              | Specified phthalic esters (groups I & II) listed in the table must not be used for plastic materials whose applications are toys and nursery products. | Drawing or delivery specification, E.H.S.inclusion report,  
Component tables, if necessary, Analysis data |
| Perfluorooctane sulfonate and its related substances | Permitted/Controlled     | unintended inclusion  
1000ppm              | Applies to all applications other than those outlined above and the phthalic esters not specified in table. | |

1. tria-1-aziridinyl) phosphine oxide(CAS No.545-55-1)  
2. tri(2,3-dibromopropyl)phosphate [tris(CAS No.126-72-7)]  
3. when used as antireflective coating agent  
4. photographic coating agent used for film, paper and lithographic plate.
<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Application</th>
<th>Tolerance (threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents Refer to “(ASMP001) Parts Evaluation Procedures” 4.</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 polycyclic aromatic hydrocarbons and its mixtures</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. In materials for dye and pigment, preservatives for timber, and insecticides.</td>
</tr>
<tr>
<td>36 cobalt and its compounds</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. For gas absorbers, wet-and-dry indicators, solid lubricants, plate process aids, dyes for glass, and coloring agents for ceramics, etc.</td>
</tr>
<tr>
<td>37 1,3,5-trimethyl-2,4,6-trinitrobenzene, 5,6,7,8-tetramethyldiphenylene(musk xylene)</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. For flavors and fragrances (soap, detergents, creams, perfume, etc.)</td>
</tr>
<tr>
<td>38 pitch, coal tar, high temp.</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. For electrode binding agents, etc.</td>
</tr>
<tr>
<td>39 mineral fibres (natural or synthetic) except continuous filament fibres</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. For insulation material used as a substitute for asbestos</td>
</tr>
<tr>
<td>40 2,4-dinitrotoluene</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. For organic, synthetic raw materials, etc.</td>
</tr>
<tr>
<td>41 biocidal coatings / biocidal additives</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to dimethyl furamate such as for fungicides</td>
</tr>
<tr>
<td>42 acrylamide</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>43 boric acid</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>44 tetraboron disodium heptaoxide</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>45 tetraboron disodium heptaoxide hydrate</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>46 volatile organic compounds</td>
<td>Process</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. With regards to dichloromethane, trichloroethylene, and chloroform, applies to all applications.</td>
</tr>
<tr>
<td>47 hydrazine</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>48 1-methylpyrrolidin-2-one(2-methyl)</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>49 formaldehyde, oligomeric reaction products with aniline</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. Raw material for synthesis of a chemical (polymethylene polyphenyl polyisocyanate [PMDI])</td>
</tr>
<tr>
<td>50 4-(1,1,3,3-tetramethylbutyl)phenol</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. Raw material for oil-soluble phenol resin, surfactant.</td>
</tr>
<tr>
<td>51 N,N-dimethylacetamide</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. Solvent for reaction, solvent for purification, solvent for resin.</td>
</tr>
<tr>
<td>52 phosgene</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. Use in a laboratory (e.g. pH indicator), dyes, indicators.</td>
</tr>
<tr>
<td>53 hexachlorobenzene</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. Raw material for colorant.</td>
</tr>
<tr>
<td>54 chlorinated or brominated dioxins or furans</td>
<td>Product</td>
<td>Prohibited</td>
<td>10ppb</td>
<td>Applies to all applications. Impurities contained in a product, etc.</td>
</tr>
<tr>
<td>55 dodecachloropentacyclo 1, 3, 4-metheno-IH- cyclobutadipentaleine, mirex</td>
<td>Product</td>
<td>Prohibited</td>
<td>1000ppm</td>
<td>Applies to all applications. Insecticides, etc.</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Product/Process</td>
<td>Tolerance (Threshold)</td>
<td>Object, Usage, etc.</td>
<td>Necessary Documents Refer to &quot;(ASMP001) Parts Evaluation Procedures&quot; 4.</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>----------------</td>
<td>----------------------</td>
<td>---------------------</td>
<td>---------------------------------------------------------------------</td>
</tr>
<tr>
<td>56 4-nitrophenyl and its salts</td>
<td>Controlled Product</td>
<td>1000ppm</td>
<td>Applies to all applications. Impurities contained in paint, antioxidant in lubricant, rubber, latex, plastic and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>57 N-nitrosamines</td>
<td>Controlled Product</td>
<td>unintended inclusion</td>
<td>It is limited to the substance, N-nitroso dimethyl amine (CAS No: 62-75-9). Pesticides, rubber &amp; tire, alkyl amine, and dyestuffs.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>58 phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylthyl)</td>
<td>Controlled Product</td>
<td>1000ppm</td>
<td>Applies to all applications. Ultraviolet absorber for plastic and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>59 vinyl chloride monomer</td>
<td>Controlled Product</td>
<td>5ppm</td>
<td>Applies to all applications. Residual monomer in a product and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>60 <a href="phenylamino">(4-[4,4′-bis(dimethylamino)butenyl]dimethylamino)benzhydryl</a>naphthalene-1,α-Bis[4-(C.I. basic blue 26)]dimethylammonium chloride</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Pharmaceuticals, bacteria stains, dyestuffs and others.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>61 chlorinated flame retardants</td>
<td>Controlled Product</td>
<td>1000ppm</td>
<td>Applies to all applications. Flame retardants, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>62 specified organic pigment</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>The organic pigment including PCB above 5ppm. Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>63 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Solvent, processing aid of industrial chemicals</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>64 diboron trioxide</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Raw materials of glass, glass fibres, glass frit, adhesives</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>65 formamide</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Intermediate, chemical organic solvent</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>66 TEGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Hardening agent, Resist ink, Stabilizer of flame-retardant plastic. Hardener in resins and coatings. Used in inks for the printed circuit board industry.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>67 β-TEGIC (1,3,5-tris(2S and 2R)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Hardener in resins and coatings; also used in inks for the printed circuit board industry, stabilisers for plastics.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>68 4,4′-bis(dimethylamino)benzophenone (michler's ketone)</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Intermediate in the manufacture of triphenylmethane dyes, Dye intermediate</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>69 N,N,N′-tetramethyl-4,4′-methyleneedianiline (michler's base)</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Raw materials of dyes, intermediate for organic synthesis, Intermediate of organic, synthetic medium</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>70 [4-[(4-aminoo-1-naphthyl)[4-dimethylamino]phenyl]methylene]cyclohexa-2,5-dien-1-yldene dimethylammonium chloride (C.I. basic blue 26)</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Dyes, Ink, Coating agent for molding</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>71 αα-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. solvent blue 4)</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Dyes, Ink, Coating agent for molding</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>72 4,4′-bis(dimethylamino)-4′-methyleneiminotriyl alcohol</td>
<td>Controlled Product</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications. Printing inks, Dye intermediate</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Application (Product)</td>
<td>Tolerance (threshold)</td>
<td>Object, Usage, etc.</td>
<td>Necessary Documents</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-----------------------</td>
<td>----------------------</td>
<td>---------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>73 pentacosafluorotridecanoic acid</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Fluorochemical surfactant</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>74 tricosanfluorododecanoic acid</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Fluorochemical surfactant</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>75 hentacosafluoroundecanoic acid</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Fluorochemical surfactant</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>76 heptacosafluorotetradecanoic acid</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Fluorochemical surfactant</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>77 diazine-1,2-dicarboxamide (C,C'-laidole/formamide))</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Blowing agent of rubber and plastic</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>78 cyclohexane-1,2-dicarboxylic anhydride (hexahydromethylphthalic anhydride - HHPA)</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Pharmaceuticals, agricultural chemicals, pesticides.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>79 hexahydromethylphthalic anhydride, hexahydro-4-methylphthalic anhydride, hexahydro-1-methylphthalic anhydride, hexahydro-3-methylphthalic anhydride</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>80 4-oxynaphthalen, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>81 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - [covering well-defined substances and UVCB substances, polymers and homologues]</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>82 methoxysuccinic acid</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Intermediate for organic synthesis.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>83 methylolirarn (propylene oxide)</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>84 1,2-benzenedicarboxylic acid, dipentylester, branched and linear</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>85 1,2-diethylenethane</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Nitrocellulose</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>86 furan</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications. Organic, synthetic raw materials, solvents, cleaner</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>87 diethyl sulphate</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>88 dimethyl sulphate</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>89 5-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>90 dinoseb (6-sec-butyl-2,4-dinitrophenol)</td>
<td>Controlled</td>
<td>uninterrupted inclusion 1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Application</td>
<td>Tolerance (threshold)</td>
<td>Object, Usage, etc.</td>
<td>Necessary Documents</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>-------------</td>
<td>----------------------</td>
<td>---------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Acetamide, n-methyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Dimethylformamide (N,N-dimethylformamide)</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB, and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>PFOA and its salts, perfluorooctanoic acids (C8F15O2X (X = H, NH4, and metal salts)</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Phenol, 2-(5-chloro-2H-benzo[d]azole-2-yl)-4,6-bis(1,1-dimethylcyclohexyl)</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Acetamide</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Acetonitrile</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Acrylonitrile</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Ammonium perchlorate</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Aniline and its salts</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Aromatic amines</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Barium compounds (organic or water soluble)</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Apply to all application. Stabilizer for rubber.</td>
</tr>
<tr>
<td>1,4-benzenediamine, N,N' - mixed Ph and tolyl derivs</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>2-benzothiazolesulphanamide, N, N-dicyclohexyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Butadiene, 1,3 -</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Cephalon (rosin)</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Copper</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>Product</td>
<td>Controlled</td>
<td>unintended inclusion 1000ppm</td>
<td>Applies to all applications.</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 2-2: List of Environmentally Hazardous Substance Control Standard

Refer to “(ASMP001) Parts Evaluation Procedures” 4.
<table>
<thead>
<tr>
<th>Environmentally hazardous substances</th>
<th>Application</th>
<th>Controlled/ Uncontrolled</th>
<th>Tolerance (threshold)</th>
<th>Object, Usage, etc.</th>
<th>Necessary Documents Refer to &quot;(ASMP001) Parts Evaluation Procedures 4.&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>cyclopentasiloxane, decamethyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>cyclopetrasiloxane, heptamethylphenyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>cyclopetrasiloxane, octamethyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyloperoxy)</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>epichlorohydrin (1-chloro-2,3-epoxypropane)</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>1-ethenylpyrrolidin-2-one (2-Pyrroldione, 1-ethenyl-)</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>fatty acids, C6-19-branched, zinc salts</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>fluorotelomers</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>2-furancarboxaldehyde</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>hexanedioic acid, bis(2-ethylhexyl) ester</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>hexanoic acid, 2-ethyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>methylacrylamidomethoxy-acetate</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>2-naphthalenol, 1-[(4-methyl-2-nitrophenyl)[azo]-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>nitrites</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>nitrocellulose</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>nonylphenol</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>nonylphenol ethoxylates</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>7-oxa-3,20-diazadispiro[5.1.11.2]-heneicosan-21-one, 2,2,4,4-tetramethyl-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>perchlorates</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.excepting above three substance., Explosive, Dynamite usage, etc.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>phenol</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>phenol, 2,4,6-tri(1,1-dimethyl)lythyl)-</td>
<td>Product</td>
<td>Controlled</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>Environmentally hazardous substances</td>
<td>Application / Product</td>
<td>Tolerance (threshold)</td>
<td>Object, Usage, etc.</td>
<td>Necessary Documents</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------------------------</td>
<td>----------------------</td>
<td>---------------------</td>
<td>-------------------</td>
<td></td>
</tr>
<tr>
<td>phenylenediamines and its salts</td>
<td>Product</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>phosphonium, triphenyl(phenylmethyl)-, salt with 4,4’-[2,2,2-trifluoro-1-(trifluoromethyl)ethyldiene]bis[phenol] (1:1)</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
<td></td>
</tr>
<tr>
<td>polyamine curing agents</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>silica, crystalline</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>siloxanes and silicones</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>sodium azide</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>vinyl benzene</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>styrene oxide (epoxy styrene)</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>thallium and its compounds</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>thioperoxydicarbonicdiamidere([H2N(C(S)S2)], tetramethyl-</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
<tr>
<td>vanadium(V) oxide</td>
<td>Product</td>
<td>Controlled inclusion</td>
<td>1000ppm</td>
<td>Applies to all applications.</td>
<td>Drawing or delivery specification, E.H.S.inclusion report, Component tables, if necessary, Analysis data</td>
</tr>
</tbody>
</table>
Table 1: Applications exempted from the prohibition in RoHS Article

This list is the contents of the "Official Journal of the European Union" at Feb, 2011. Apply the latest version when the content is revised. There is no expiration date that the expiration date is an empty column at this time.

<table>
<thead>
<tr>
<th>Material</th>
<th>Exemption</th>
<th>Scope and dates of applicability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury</td>
<td>1</td>
<td>Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): Expires on 31 December 2011; 3.5 mg may be used per burner after 31 December 2011 until 31 December 2012; 2.5 mg shall be used per burner after 31 December 2012</td>
</tr>
<tr>
<td></td>
<td>1(a)</td>
<td>For general lighting purposes &lt; 30 W: 5 mg</td>
</tr>
<tr>
<td></td>
<td>1(b)</td>
<td>For general lighting purposes ≥ 30 W and &lt; 50 W: 5 mg Expires on 31 December 2011; 3.5 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>1(c)</td>
<td>For general lighting purposes ≥ 50 W and &lt; 150 W: 5 mg</td>
</tr>
<tr>
<td></td>
<td>1(d)</td>
<td>For general lighting purposes ≥ 150 W: 15 mg</td>
</tr>
<tr>
<td></td>
<td>1(e)</td>
<td>For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm No limitation of use until 31 December 2011; 7 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>1(f)</td>
<td>For special purposes: 5 mg</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Expires on 31 December 2011; 4 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>2(a)</td>
<td>Tri-band phosphor with normal lifetime and a tube diameter &gt; 9 mm (e.g. T2): 5 mg Expires on 31 December 2011; 3.5 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>2(a)(1)</td>
<td>Tri-band phosphor with normal lifetime and a tube diameter &gt; 9 mm and ≤ 17 mm (e.g. T5): 5 mg Expires on 31 December 2011; 3 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>2(a)(2)</td>
<td>Tri-band phosphor with normal lifetime and a tube diameter &gt; 17 mm and ≤ 28 mm (e.g. T8): 5 mg Expires on 31 December 2011; 3.5 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>2(a)(3)</td>
<td>Tri-band phosphor with normal lifetime and a tube diameter &gt; 28 mm (e.g. T12): 5 mg Expires on 31 December 2012; 3.5 mg may be used per lamp after 31 December 2012</td>
</tr>
<tr>
<td></td>
<td>2(a)(4)</td>
<td>Tri-band phosphor with long lifetime (≥ 25 000 h): 8 mg Expires on 31 December 2011; 5 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>2(b)</td>
<td>Mercury in other fluorescent lamps not exceeding (per lamp): Expires on 13 April 2012</td>
</tr>
<tr>
<td></td>
<td>2(b)(1)</td>
<td>Linear halophosphate lamps with tube &gt; 28 mm (e.g. T10 and T12): 10 mg</td>
</tr>
<tr>
<td></td>
<td>2(b)(2)</td>
<td>Non-linear halophosphate lamps (all diameters): 15 mg Expires on 13 April 2016</td>
</tr>
<tr>
<td></td>
<td>2(b)(3)</td>
<td>Non-linear tri-band phosphor lamps with tube diameter &gt; 17 mm (e.g. T9) No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>Lamps for other general lighting and special purposes (e.g. induction lamps)</td>
<td>No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>3</td>
<td>Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):</td>
<td></td>
</tr>
<tr>
<td>3(a)</td>
<td>Short length (≤ 500 mm)</td>
<td>No limitation of use until 31 December 2011; 3.5 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td>3(b)</td>
<td>Medium length (&gt; 500 mm and ≤ 1 500 mm)</td>
<td>No limitation of use until 31 December 2011; 5 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td>3(c)</td>
<td>Long length (&gt; 1 500 mm)</td>
<td>No limitation of use until 31 December 2011; 13 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td>4</td>
<td>Mercury in other low pressure discharge lamps (per lamp)</td>
<td>No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011</td>
</tr>
<tr>
<td>4(b)</td>
<td>Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra &gt; 60:</td>
<td></td>
</tr>
<tr>
<td>4(b) I</td>
<td>P ≤ 155 W</td>
<td>No limitation of use until 31 December 2011; 30 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td>4(b) II</td>
<td>155 W &lt; P ≤ 405 W</td>
<td>No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td>4(b) III</td>
<td>P &gt; 405 W</td>
<td>No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td>4(c)</td>
<td>Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):</td>
<td></td>
</tr>
<tr>
<td>4(c) I</td>
<td>P ≤ 155 W</td>
<td>No limitation of use until 31 December 2011; 25 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td>4(c) II</td>
<td>155 W &lt; P ≤ 405 W</td>
<td>No limitation of use until 31 December 2011; 30 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td></td>
<td>Application</td>
<td>Expiry Date</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td><strong>Mercury</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4(c) III</td>
<td>P &gt; 405 W</td>
<td>No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011</td>
</tr>
<tr>
<td>4(d)</td>
<td>Mercury in High Pressure Mercury (vapour) lamps (HPMV)</td>
<td>Expires on 13 April 2015</td>
</tr>
<tr>
<td>4(e)</td>
<td>Mercury in metal halide lamps (MH)</td>
<td></td>
</tr>
<tr>
<td>4(f)</td>
<td>Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Mercury used as a cathode sputtering inhibitor in DC plasma displays with a content up to 30 mg per display</td>
<td>Expired on 1 July 2010</td>
</tr>
<tr>
<td><strong>Lead</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5(a)</td>
<td>Lead in glass of cathode ray tubes</td>
<td></td>
</tr>
<tr>
<td>5(b)</td>
<td>Lead in glass of fluorescent tubes not exceeding 0.2 % by weight</td>
<td></td>
</tr>
<tr>
<td>6(a)</td>
<td>Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 % lead by weight</td>
<td></td>
</tr>
<tr>
<td>6(b)</td>
<td>Lead as an alloying element in aluminium containing up to 0.4 % lead by weight</td>
<td></td>
</tr>
<tr>
<td>6(c)</td>
<td>Copper alloy containing up to 4 % lead by weight</td>
<td></td>
</tr>
<tr>
<td>7(a)</td>
<td>Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)</td>
<td></td>
</tr>
<tr>
<td>7(b)</td>
<td>Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications</td>
<td></td>
</tr>
<tr>
<td>7(c) I</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td>7(c) II</td>
<td>Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher</td>
<td>Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013</td>
</tr>
<tr>
<td>7(c) III</td>
<td>Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC</td>
<td></td>
</tr>
<tr>
<td>7(c) IV</td>
<td>Lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete</td>
<td>2016/7/21</td>
</tr>
<tr>
<td>9(b)</td>
<td>Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications</td>
<td></td>
</tr>
<tr>
<td>Table 1: Applications exempted from the prohibition in RoHS Article</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lead</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>11</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11(a) Lead used in C-press compliant pin connector systems</td>
<td>May be used in spare parts for EEE placed on the market before 24 September 2010</td>
<td></td>
</tr>
<tr>
<td>11(b) Lead used in other than C-press compliant pin connector systems</td>
<td>Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013</td>
<td></td>
</tr>
<tr>
<td>12 Lead as a coating material for the thermal conduction module C-ring</td>
<td>May be used in spare parts for EEE placed on the market before 24 September 2010</td>
<td></td>
</tr>
<tr>
<td><strong>13</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13(a) Lead in white glasses used for optical applications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13(b) Cadmium and lead in filter glasses and glasses used for reflectance standards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80 % and less than 85 % by weight</td>
<td>Expires on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011</td>
<td></td>
</tr>
<tr>
<td>15 Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 Lead in linear incandescent lamps with silicate coated tubes</td>
<td>Expires on 1 September 2013</td>
<td></td>
</tr>
<tr>
<td>17 Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>18</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18(a) Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as speciality lamps for diazoprinting reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS (Sr,Ba) 2 MgSi 2 O 7 :Pb)</td>
<td>Expires on 1 January 2011</td>
<td></td>
</tr>
<tr>
<td>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 2 O 5 :Pb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact energy saving lamps (ESL)</td>
<td>Expires on 1 June 2011</td>
<td></td>
</tr>
<tr>
<td>20 Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs)</td>
<td>Expires on 1 June 2011</td>
<td></td>
</tr>
<tr>
<td>21 Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23 Lead in finishes of fine pitch components other than connectors with a pitch of 0,65 mm and less</td>
<td>May be used in spare parts for EEE placed on the market before 24 September 2010</td>
<td></td>
</tr>
<tr>
<td>24 Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13)
<table>
<thead>
<tr>
<th>Lead</th>
<th>Description</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Lead oxide in the glass envelope of black light blue lamps</td>
<td>Expires on 1 June 2011</td>
</tr>
<tr>
<td>29</td>
<td>Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Lead in solders for the soldering of thin copper wires of 100 μm diameter and less in power transformers</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Lead in cermet-based trimmer potentiometer elements</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body</td>
<td></td>
</tr>
</tbody>
</table>

**Hexavalent chromium**

| 9    | Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75 % by weight in the cooling solution | |

**Cadmium**

<table>
<thead>
<tr>
<th>8</th>
<th>Cadmium and its compounds in one shot pellet type thermal cut-offs</th>
<th>Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>8(a)</td>
<td>Cadmium and its compounds in electrical contacts</td>
<td></td>
</tr>
<tr>
<td>8(b)</td>
<td>Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>Cadmium in colour converting II-VI LEDs (&lt; 10 μg Cd per mm² of light-emitting area) for use in solid state illumination or display systems</td>
<td>Expires on 1 July 2014</td>
</tr>
</tbody>
</table>
Table 2: Applications exempted from the prohibition in ELV Article
This list is the contents of the "Official Journal of the European Union" at 31st March, 2011.
Apply the latest version when the content is revised.
There is no expiration date that the expiration date is an empty column at this time.

<table>
<thead>
<tr>
<th>Material</th>
<th>No.</th>
<th>Exemption</th>
<th>Scope and dates of applicability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead as an alloying element</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1(a)</td>
<td></td>
<td>Steel for machining purposes and batch hot dip galvanised steel components containing up to 0.35% lead by weight</td>
<td>Vehicles type approved before 1 January 2016 and spare parts for these vehicles.</td>
</tr>
<tr>
<td>1(b)</td>
<td></td>
<td>Continuously galvanised steel sheet containing up to 0.35% lead by weight</td>
<td></td>
</tr>
<tr>
<td>2(a)</td>
<td></td>
<td>Aluminium for machining purposes with a lead content up to 2% by weight</td>
<td>As spare parts for vehicles put on the market before 1 July 2005</td>
</tr>
<tr>
<td>2(b)</td>
<td></td>
<td>Aluminium with a lead content up to 1.5% by weight</td>
<td>As spare parts for vehicles put on the market before 1 July 2008</td>
</tr>
<tr>
<td>2(c)</td>
<td></td>
<td>Aluminium with a lead content up to 0.4% by weight</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Copper alloy containing up to 4% lead by weight</td>
<td></td>
</tr>
<tr>
<td>4(a)</td>
<td></td>
<td>Bearing shells and bushes</td>
<td>As spare parts for vehicles put on the market before 1 July 2007</td>
</tr>
<tr>
<td>4(b)</td>
<td></td>
<td>Bearing shells and bushes in engines, transmissions and air conditioning compressors</td>
<td>1 July 2011 and spare parts for vehicles put on the market before 1 July 2011</td>
</tr>
<tr>
<td>Lead and lead compounds in components</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Batteries</td>
<td>Vehicles type approved before 1 January 2016 and spare parts for these</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Vibration dampers</td>
<td></td>
</tr>
<tr>
<td>7(a)</td>
<td></td>
<td>Vulcanising agents and stabilisers for elastomers in brake hoses, fuel hoses, air ventilation hoses, elastomer/metal parts in the chassis applications, and engine mountings</td>
<td>As spare parts for vehicles put on the market before 1 July 2005</td>
</tr>
<tr>
<td>7(b)</td>
<td></td>
<td>Vulcanising agents and stabilisers for elastomers in brake hoses, fuel hoses, air ventilation hoses, elastomer/metal parts in the chassis applications, and engine mountings containing up to 0.5% lead by weight</td>
<td>As spare parts for vehicles put on the market before 1 July 2006</td>
</tr>
<tr>
<td>7(c)</td>
<td></td>
<td>Bonding agents for elastomers in powertrain applications containing up to 0.5% lead by weight</td>
<td>As spare parts for vehicles put on the market before 1 July 2009</td>
</tr>
<tr>
<td>Lead and lead compounds in components</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 8(a) Lead in solders to attach electrical and electronic components to electronic circuit boards and lead in finishes on terminations of components other than electrolyte aluminium capacitors, on component pins and on electronic circuit boards | Vehicles type approved before 1 January 2016 and spare parts for these vehicles  
| 8(b) Lead in solders in electrical applications other than soldering on electronic circuit boards or on glass. | Vehicles type approved before 1 January 2011 and spare parts for these vehicles  
| 8(c) Lead in finishes on terminals of electrolyte aluminium capacitors. | Vehicles type approved before 1 January 2013 and spare parts for these vehicles  
| 8(d) Lead used in soldering on glass in mass airflow sensors | Vehicles type approved before 1 January 2015 and spare parts of such vehicles  
| 8(e) Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) |  
| 8(f) Lead in compliant pin connector systems |  
| 8(g) Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages |  
| 8(h) Lead in solder to attach heat spreaders to the heat sink in power semiconductor assemblies with a chip size of at least 1cm2 of projection area and a nominal current density of at least 1 A/mm2 of silicon chip area |  
| 8(i) Lead in solders in electrical glazing applications on glass except for soldering in laminated glazing | Vehicles type approved before 1 January 2013 and spare parts for these  
| 8(j) Lead in solders for soldering in laminated glazing |  
| 9 Valve seats | As spare parts for engine types developed before 1 July 2003  
| 10(a) Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: -glass in bulbs and glaze of spark plugs, -dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d). |  
| 10(b) Lead in PZT based dielectric ceramic materials of capacitors being part of integrated circuits or discrete semiconductors |  

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Table 2: Applications exempted from the prohibition in ELV Article
<table>
<thead>
<tr>
<th>Lead</th>
<th>Lead and lead compounds in components</th>
</tr>
</thead>
<tbody>
<tr>
<td>10(c)</td>
<td>Lead in dielectric ceramic materials of capacitors with a rated voltage of less than 125 V AC or 250 V DC</td>
</tr>
<tr>
<td>10(d)</td>
<td>Lead in the dielectric ceramic materials of capacitors compensating the temperature-related deviations of sensors in ultrasonic sonar systems</td>
</tr>
<tr>
<td>11</td>
<td>Pyrotechnic initiators</td>
</tr>
<tr>
<td>12</td>
<td>Lead-containing thermoelectric materials in automotive electrical applications to reduce CO2 emissions by recuperation of exhaust heat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hexavalent chromium</th>
</tr>
</thead>
<tbody>
<tr>
<td>13(a)</td>
</tr>
<tr>
<td>13(b)</td>
</tr>
<tr>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mercury</th>
</tr>
</thead>
<tbody>
<tr>
<td>15(a)</td>
</tr>
<tr>
<td>15(b)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cadmium</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
</tr>
</tbody>
</table>
Table 3: Glycol ether and its acetates with regards to proven reproductive toxicant.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2-ethoxyethanol</td>
<td>110-80-5</td>
</tr>
<tr>
<td>2 2-ethoxyethyl acetate</td>
<td>111-15-9</td>
</tr>
<tr>
<td>3 methyl cellosolve acetate / 2-methoxyethyl acetate</td>
<td>110-49-6</td>
</tr>
<tr>
<td>4 2-methoxyethanol</td>
<td>109-86-4</td>
</tr>
<tr>
<td>5 diethlene glycol dimethylether</td>
<td>111-96-6</td>
</tr>
</tbody>
</table>

Table 4: Organic brominated solvents with regards to proven reproductive toxicant.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2-bromopropane</td>
<td>75-26-3</td>
</tr>
</tbody>
</table>

Table 5: Specific amine (generated due to decomposition of azo group greater than 1)

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 4-aminoazobenzene</td>
<td>60-09-3</td>
</tr>
<tr>
<td>2 aniline, 2-methoxy-</td>
<td>90-04-0</td>
</tr>
<tr>
<td>3 2-naphthylamine</td>
<td>91-59-8</td>
</tr>
<tr>
<td>4 3,3'-dichlorobenzidine</td>
<td>91-94-1</td>
</tr>
<tr>
<td>5 biphenyl-4-ylamine</td>
<td>92-67-1</td>
</tr>
<tr>
<td>6 benzidine</td>
<td>92-87-5</td>
</tr>
<tr>
<td>7 ortho-toluidine</td>
<td>95-53-4</td>
</tr>
<tr>
<td>8 4-chloro-o-toluidine</td>
<td>95-69-2</td>
</tr>
<tr>
<td>9 toluene-2,4-diamine</td>
<td>95-80-7</td>
</tr>
<tr>
<td>10 2-methyl-4-(2-tolyldiazenyl)aniline</td>
<td>97-56-3</td>
</tr>
<tr>
<td>11 2-methyl-5-nitroaniline</td>
<td>99-55-8</td>
</tr>
<tr>
<td>12 4,4'-methylenedibenzene (2-chlorobenzenamine)</td>
<td>101-14-4</td>
</tr>
<tr>
<td>13 4,4'-methylenedianiline</td>
<td>101-77-9</td>
</tr>
<tr>
<td>14 4,4'-oxydianiline</td>
<td>101-80-4</td>
</tr>
<tr>
<td>15 4-chloroaniline</td>
<td>106-47-8</td>
</tr>
<tr>
<td>16 3,3'-dimethoxybenzidine</td>
<td>119-90-4</td>
</tr>
<tr>
<td>17 3,3'-dimethylbenzidine</td>
<td>119-93-7</td>
</tr>
<tr>
<td>18 6-methoxy-m-toluidine</td>
<td>120-71-8</td>
</tr>
<tr>
<td>19 2,4,5-trimethylaniline</td>
<td>137-17-7</td>
</tr>
<tr>
<td>20 4,4'-thiodianiline</td>
<td>139-65-1</td>
</tr>
<tr>
<td>21 4-methoxy-1,3-phenylenediamine</td>
<td>615-05-4</td>
</tr>
<tr>
<td>22 4,4'-methylenedi-o-toluidine</td>
<td>838-88-0</td>
</tr>
</tbody>
</table>
Table 6: Specified phthalic esters
( ) shows other representative names.

DIRECTIVE 2009/48/EC
OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 June 2009
on the safety of toys

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified phthalic esters (Group I)</td>
<td></td>
</tr>
<tr>
<td>1 bis(2-ethylhexan-1-yl) phthalate</td>
<td>117-81-7</td>
</tr>
<tr>
<td>(Bis (2-ethylhexyl) phthalate (DEHP))</td>
<td></td>
</tr>
<tr>
<td>2 dibutan-1-yl phthalate</td>
<td>84-74-2</td>
</tr>
<tr>
<td>(Dibutyl phthalate (DBP))</td>
<td></td>
</tr>
<tr>
<td>3 benzyl butan-1-yl phthalate</td>
<td>85-68-7</td>
</tr>
<tr>
<td>(Benzyl butyl phthalate (BBP))</td>
<td></td>
</tr>
<tr>
<td>Specified phthalic esters (Group II)</td>
<td></td>
</tr>
<tr>
<td>4 diisononyl phthalate (DINP)</td>
<td>28553-12-0</td>
</tr>
<tr>
<td>68515-48-0</td>
<td></td>
</tr>
<tr>
<td>5 1,2-benzenedicarboxylic acid diisodecyl ester</td>
<td>26761-40-0</td>
</tr>
<tr>
<td>(di-isodecyl phthalate (DIDP))</td>
<td>68515-49-1</td>
</tr>
<tr>
<td>6 bis(n-octyl) phthalate (DNOP)</td>
<td>117-84-0</td>
</tr>
</tbody>
</table>

Danish regulation

"Statutory Order banning the import and sale of commodities for indoor use containing phthalates DEHP, DBP, BBP, and DBP, and commodities which parts of these substances can come into contact with skin or mucous membranes (No1113)

Effective date of the not workable by electricity (carrying bag, case etc.) is May 1st, 2013.
Effective date of electrical and electronic parts is Nov 1st, 2013.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 benzyl butan-1-yl phthalate / benzylbutylphthalate (BBP) / bis(2-methoxyethyl)phthalate</td>
<td>85-68-7</td>
</tr>
<tr>
<td>2 bis(2-ethylhexan-1-yl) phthalate / di(2-ethylhexyl)phthalate (DEHP)</td>
<td>117-81-7</td>
</tr>
<tr>
<td>3 dibutan-1-yl phthalate / dibutyl phthalate (DBP)</td>
<td>84-74-2</td>
</tr>
<tr>
<td>4 d-iisobutyl phthalate / diisobutylphthalate (DIBP)</td>
<td>84-69-5</td>
</tr>
</tbody>
</table>
### Table 7: PFOS and its related substances

( ) shows other representative names.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. perfluorooctane sulfonate (PFOS)</td>
<td>1763-23-1</td>
</tr>
<tr>
<td>2. perfluorooctane sulfonate acid</td>
<td>1763-23-1</td>
</tr>
<tr>
<td>3. perfluorooctane sulfonate anion</td>
<td>45298-90-6</td>
</tr>
<tr>
<td>4. perfluoro-1-octanesulfonyl fluoride</td>
<td>307-35-7</td>
</tr>
<tr>
<td>5. 2-propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-</td>
<td>306975-62-2</td>
</tr>
<tr>
<td>[methyl[(perfluoro-C4-8-alkyl)- sulfonyl]amino]ethyl acrylate and</td>
<td></td>
</tr>
<tr>
<td>vinylidene chloride</td>
<td></td>
</tr>
<tr>
<td>6. glycine, N-ethyl-N-[(heptadecafluoroctyl)sulfonyl]-, potassium salt</td>
<td>2991-51-7</td>
</tr>
<tr>
<td>7. perfluorooctane sulfonate ammonium salt</td>
<td>29081-56-9</td>
</tr>
<tr>
<td>8. perfluorooctane sulfonate lithium salt</td>
<td>29457-72-5</td>
</tr>
<tr>
<td>9. tetraethylammoniumheptadecafluorooctansulfonate</td>
<td>56773-42-3</td>
</tr>
<tr>
<td>10. PFOS related substances</td>
<td>( Example )</td>
</tr>
<tr>
<td></td>
<td>2795-39-3</td>
</tr>
</tbody>
</table>

### Table 8: volatile organic compounds (VOC)

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. propan-2-ol</td>
<td>67-63-0</td>
</tr>
<tr>
<td>2. toluene</td>
<td>108-88-3</td>
</tr>
<tr>
<td>3. acetone</td>
<td>67-64-1</td>
</tr>
<tr>
<td>4. butyl acetate</td>
<td>123-86-4</td>
</tr>
<tr>
<td>5. methanol</td>
<td>67-56-1</td>
</tr>
<tr>
<td>6. xyrene</td>
<td>1330-20-7</td>
</tr>
<tr>
<td>7. 2-butanone</td>
<td>78-93-3</td>
</tr>
<tr>
<td>8. dichloromethane</td>
<td>75-09-2</td>
</tr>
<tr>
<td>9. styrene</td>
<td>100-42-5</td>
</tr>
<tr>
<td>10. ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>11. ethylbenzene</td>
<td>100-41-4</td>
</tr>
<tr>
<td>12. tetrahydrofuran</td>
<td>109-99-9</td>
</tr>
<tr>
<td>13. 2-propanol, 1-methoxy-</td>
<td>107-98-2</td>
</tr>
<tr>
<td>14. 1-butanol</td>
<td>71-36-3</td>
</tr>
<tr>
<td>15. chloroform</td>
<td>67-66-3</td>
</tr>
<tr>
<td>16. methyl isobutyl ketone</td>
<td>108-10-1</td>
</tr>
<tr>
<td>17. heptane</td>
<td>142-82-5</td>
</tr>
<tr>
<td>18. ethyl acetate</td>
<td>141-78-6</td>
</tr>
<tr>
<td>19. trichloroethylene</td>
<td>79-01-6</td>
</tr>
<tr>
<td>20. cyclohexanone</td>
<td>108-94-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No.</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>anthracene</td>
<td>120-12-7</td>
</tr>
<tr>
<td>4,4'-diaminodiphenylmethane (MDA)</td>
<td>101-77-9</td>
</tr>
<tr>
<td>dibutyl phthalate (DBP)</td>
<td>84-74-2</td>
</tr>
<tr>
<td>cobalt dichloride</td>
<td>7646-79-9</td>
</tr>
<tr>
<td>diarsenic pentaoxide</td>
<td>1303-28-2</td>
</tr>
<tr>
<td>diarsenic trioxide</td>
<td>1327-53-3</td>
</tr>
<tr>
<td>sodium dichromate</td>
<td>7789-12-0</td>
</tr>
<tr>
<td>sodium dichromate</td>
<td>10588-01-9</td>
</tr>
<tr>
<td>1-tert-Butyl-3,5-dimethyl-2,4,6-trinitrobenzene</td>
<td>81-15-2</td>
</tr>
<tr>
<td>5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)</td>
<td></td>
</tr>
<tr>
<td>bis (2-ethyl(hexyl)phthalate) (DEHP)</td>
<td>117-81-7</td>
</tr>
<tr>
<td>hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β-HBCDD, γ-HBCDD)</td>
<td>25637-99-4</td>
</tr>
<tr>
<td>25637-99-4</td>
<td></td>
</tr>
<tr>
<td>3194-55-6</td>
<td></td>
</tr>
<tr>
<td>134237-51-7</td>
<td></td>
</tr>
<tr>
<td>134237-50-6</td>
<td></td>
</tr>
<tr>
<td>134237-52-8</td>
<td></td>
</tr>
<tr>
<td>alkanes, C10-13, chloro (short chain chlorinated paraffins)</td>
<td>85535-84-8</td>
</tr>
<tr>
<td>bis(tributyltin)oxide (TBTO)</td>
<td>56-35-9</td>
</tr>
<tr>
<td>lead hydrogen arsenate</td>
<td>7784-40-9</td>
</tr>
<tr>
<td>benzyl butyl phthalate (BBP)</td>
<td>85-68-7</td>
</tr>
<tr>
<td>triethyl arsenate</td>
<td>15606-95-8</td>
</tr>
<tr>
<td>anthracene oil</td>
<td>90640-80-5</td>
</tr>
<tr>
<td>anthracene oil, anthracene paste, distn. lights</td>
<td>91995-17-4</td>
</tr>
<tr>
<td>anthracene oil, anthracene paste, anthracene fraction</td>
<td>91995-15-2</td>
</tr>
<tr>
<td>anthracene oil, anthracene-low</td>
<td>90640-82-7</td>
</tr>
<tr>
<td>anthracene oil, anthracene paste</td>
<td>90640-81-6</td>
</tr>
<tr>
<td>pitch, coal tar, high temp.</td>
<td>65996-93-2</td>
</tr>
<tr>
<td>aluminosilicate refractory ceramic fibres</td>
<td>AL57</td>
</tr>
<tr>
<td>aluminosilicate, refractory ceramic fibres</td>
<td>AL58</td>
</tr>
<tr>
<td>2,4-dinitrotoluene</td>
<td>121-14-2</td>
</tr>
<tr>
<td>diisobutyl phthalate (DIBP)</td>
<td>84-69-5</td>
</tr>
<tr>
<td>lead chromate</td>
<td>7758-97-6</td>
</tr>
<tr>
<td>lead chromate molybdate sulphate red (C.I. pigment red 104)</td>
<td>12656-85-8</td>
</tr>
<tr>
<td>lead sulfochromate yellow (C.I. pigment yellow 34)</td>
<td>1344-37-2</td>
</tr>
<tr>
<td>tris(2-chloroethyl)phosphate</td>
<td>115-96-8</td>
</tr>
<tr>
<td>acrylamide</td>
<td>79-06-1</td>
</tr>
<tr>
<td>trichloroethylene</td>
<td>79-01-6</td>
</tr>
<tr>
<td>boric acid</td>
<td>10043-35-3</td>
</tr>
<tr>
<td>tetraboron disodium heptaoxide</td>
<td>1303-96-4</td>
</tr>
<tr>
<td>tetraboron disodium heptaoxide, hydrate</td>
<td>1330-43-4</td>
</tr>
<tr>
<td>sodium chromate</td>
<td>12179-04-3</td>
</tr>
<tr>
<td>potassium chromate</td>
<td>7789-00-6</td>
</tr>
<tr>
<td>ammonium dichromate</td>
<td>7789-09-5</td>
</tr>
</tbody>
</table>

Table 9: REACH Candidate List of SVHC
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium dichromate</td>
<td>7778-50-9</td>
</tr>
<tr>
<td>cobalt(II) sulphate</td>
<td>10124-43-3</td>
</tr>
<tr>
<td>cobalt(II) dinitrate</td>
<td>10141-05-6</td>
</tr>
<tr>
<td>cobalt(II) carbonate</td>
<td>513-79-1</td>
</tr>
<tr>
<td>cobalt(II) diacetate</td>
<td>71-48-7</td>
</tr>
<tr>
<td>2-methoxyethanol</td>
<td>109-86-4</td>
</tr>
<tr>
<td>2-ethoxyethanol</td>
<td>110-80-5</td>
</tr>
<tr>
<td>chromium trioxide</td>
<td>1333-82-0</td>
</tr>
<tr>
<td>Acids generated from chromium trioxide and their oligomers:</td>
<td>AL13</td>
</tr>
<tr>
<td>chromic acid</td>
<td>7738-94-5</td>
</tr>
<tr>
<td>dichromic acid</td>
<td>13550-68-2</td>
</tr>
<tr>
<td>Oligomers of chromic acid and dichromic acid</td>
<td>AL13</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxyl acid, di-C7-11 -branched and linear alkyl esters</td>
<td>68515-42-4</td>
</tr>
<tr>
<td>strontium chromate</td>
<td>111-15-9</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich</td>
<td>71888-89-6</td>
</tr>
<tr>
<td>dichromium tris(chromate)</td>
<td>24613-89-6</td>
</tr>
<tr>
<td>potassium hydroxyoctaoxodizincatedi-chromate</td>
<td>11103-86-9</td>
</tr>
<tr>
<td>pentazine chromate octahydroxide</td>
<td>49663-84-5</td>
</tr>
<tr>
<td>formaldehyde, oligomeric reaction products with aniline</td>
<td>25214-70-4</td>
</tr>
<tr>
<td>bis(2-methoxyethyl) phthalate</td>
<td>117-82-8</td>
</tr>
<tr>
<td>2-methoxyaniline; o-anisidine</td>
<td>90-04-0</td>
</tr>
<tr>
<td>4-(1,1,3,3-tetramethylbutyl)phenol</td>
<td>140-66-9</td>
</tr>
<tr>
<td>1,2-dichloroethane</td>
<td>107-06-2</td>
</tr>
<tr>
<td>bis(2-methoxyethyl) ether</td>
<td>111-96-6</td>
</tr>
<tr>
<td>arsenic acid</td>
<td>7778-39-4</td>
</tr>
<tr>
<td>calcium arsenate</td>
<td>7778-44-1</td>
</tr>
<tr>
<td>trilead diarsenate</td>
<td>3687-31-8</td>
</tr>
<tr>
<td>N,N-dimethylacetamide</td>
<td>127-19-5</td>
</tr>
<tr>
<td>2,2'-dichloro-4,4'-methyleneedianiline (MOCA)</td>
<td>101-14-4</td>
</tr>
<tr>
<td>phenolphthalein</td>
<td>77-09-8</td>
</tr>
<tr>
<td>lead azide lead diazide</td>
<td>13424-46-9</td>
</tr>
<tr>
<td>lead styphnate</td>
<td>15245-44-0</td>
</tr>
<tr>
<td>lead dipicrate</td>
<td>6477-64-1</td>
</tr>
<tr>
<td>1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)</td>
<td>112-49-2</td>
</tr>
<tr>
<td>1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)</td>
<td>110-71-4</td>
</tr>
<tr>
<td>Diboron trioxide</td>
<td>1303-86-2</td>
</tr>
<tr>
<td>Formamide</td>
<td>75-12-7</td>
</tr>
<tr>
<td>Lead(II) bis(methanesulfonate)</td>
<td>17570-76-2</td>
</tr>
<tr>
<td>TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)</td>
<td>2451-62-9</td>
</tr>
<tr>
<td>4,4'-(dimethylamino)benzophenone (michler's ketone)</td>
<td>90-94-8</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No.</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>N,N,N',N'-tetramethyl-4,4'-methylenedianiline (michler's base)</td>
<td>101-61-1</td>
</tr>
<tr>
<td>[4-[4,4',-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. basic violet 3)</td>
<td>548-62-9</td>
</tr>
<tr>
<td>[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. basic blue 26)</td>
<td>2580-56-5</td>
</tr>
<tr>
<td>α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. solvent blue 4)</td>
<td>6786-83-0</td>
</tr>
<tr>
<td>4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol</td>
<td>561-41-1</td>
</tr>
<tr>
<td>bis(pentabromophenyl) ether (DecaBDE)</td>
<td>1163-19-5</td>
</tr>
<tr>
<td>tricosaoctododecanoic acid</td>
<td>307-55-1</td>
</tr>
<tr>
<td>hentタcosaoctadecanoic acid</td>
<td>2058-94-8</td>
</tr>
<tr>
<td>heptacosaoctadecanoic acid</td>
<td>376-06-7</td>
</tr>
<tr>
<td>diazene-1,2,2-dicarboxamide (C,C'-azodi(formamide))</td>
<td>123-77-3</td>
</tr>
<tr>
<td>cyclohexane-1,2-dicarboxylic anhydride (hexahydrophthalic anhydride - HHPA)</td>
<td>85-42-7</td>
</tr>
<tr>
<td>hexahydromethylphthalic anhydride</td>
<td>13149-00-3</td>
</tr>
<tr>
<td>hexahydro-4-methylphthalic anhydride</td>
<td>14166-21-3</td>
</tr>
<tr>
<td>hexahydro-1-methylphthalic anhydride</td>
<td>57110-29-9</td>
</tr>
<tr>
<td>hexahydro-3-methylphthalic anhydride</td>
<td></td>
</tr>
<tr>
<td>4-nonylphenol, branched and linear</td>
<td></td>
</tr>
<tr>
<td>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated</td>
<td></td>
</tr>
<tr>
<td>methoxyacetic acid</td>
<td>625-45-6</td>
</tr>
<tr>
<td>N,N-dimethylformamide; dimethyl formamide</td>
<td>68-12-2</td>
</tr>
<tr>
<td>dibutyltin dichloride (DBTC)</td>
<td>683-18-1</td>
</tr>
<tr>
<td>lead monoxide (lead oxide)</td>
<td>1317-36-8</td>
</tr>
<tr>
<td>orange lead (lead tetroxide)</td>
<td>1314-41-6</td>
</tr>
<tr>
<td>lead bis(tetrafluoroborate)</td>
<td>13814-96-5</td>
</tr>
<tr>
<td>trilead bis(carbonate)dihydroxide</td>
<td>1319-46-6</td>
</tr>
<tr>
<td>lead titanium trioxide</td>
<td>12060-00-3</td>
</tr>
<tr>
<td>lead titanium zirconium oxide</td>
<td>12626-81-2</td>
</tr>
<tr>
<td>silicic acid, lead salt</td>
<td>11120-22-2</td>
</tr>
<tr>
<td>silicic acid, barium salt, lead-doped</td>
<td>68784-75-8</td>
</tr>
<tr>
<td>1-bromopropane; n-propyl bromide</td>
<td>106-94-5</td>
</tr>
<tr>
<td>methyloxirane (propylene oxide)</td>
<td>75-56-9</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, dipentylester, branched and linear</td>
<td>84777-06-0</td>
</tr>
<tr>
<td>diisopentylphthalate (DIPP)</td>
<td>605-50-5</td>
</tr>
<tr>
<td>N-pentyl-isopentylphthalate</td>
<td>776297-69-9</td>
</tr>
<tr>
<td>1,2-diethoxyethane</td>
<td>629-14-1</td>
</tr>
<tr>
<td>acetic acid, lead salt, basic</td>
<td>51404-69-4</td>
</tr>
<tr>
<td>lead oxide sulfate</td>
<td>12036-76-9</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, dipentylester, branched and linear</td>
<td>84777-06-0</td>
</tr>
<tr>
<td>diisopentylphthalate (DIPP)</td>
<td>605-50-5</td>
</tr>
<tr>
<td>N-pentyl-isopentylphthalate</td>
<td>776297-69-9</td>
</tr>
<tr>
<td>1,2-diethoxyethane</td>
<td>629-14-1</td>
</tr>
<tr>
<td>acetic acid, lead salt, basic</td>
<td>51404-69-4</td>
</tr>
<tr>
<td>lead oxide sulfate</td>
<td>12036-76-9</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, dipentylester, branched and linear</td>
<td>84777-06-0</td>
</tr>
<tr>
<td>diisopentylphthalate (DIPP)</td>
<td>605-50-5</td>
</tr>
<tr>
<td>N-pentyl-isopentylphthalate</td>
<td>776297-69-9</td>
</tr>
<tr>
<td>1,2-diethoxyethane</td>
<td>629-14-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No.</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>lead cyanamidate</td>
<td>20837-86-9</td>
</tr>
<tr>
<td>lead dinitrate</td>
<td>10099-74-8</td>
</tr>
<tr>
<td>pentalead tetraoxide sulphate</td>
<td>12065-90-6</td>
</tr>
<tr>
<td>pyrochlore, antimony lead yellow</td>
<td>8012-00-8</td>
</tr>
<tr>
<td>sulfurous acid, lead salt, dibasic</td>
<td>62229-08-7</td>
</tr>
<tr>
<td>tetraethyllead</td>
<td>78-00-2</td>
</tr>
<tr>
<td>tetralead trioxide sulphate</td>
<td>12202-17-4</td>
</tr>
<tr>
<td>trilead dioxide phosphonate</td>
<td>12141-20-7</td>
</tr>
<tr>
<td>furan</td>
<td>110-00-9</td>
</tr>
<tr>
<td>diethyl sulphate</td>
<td>64-67-5</td>
</tr>
<tr>
<td>dimethyl sulphate</td>
<td>77-78-1</td>
</tr>
<tr>
<td>3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine</td>
<td>143860-04-2</td>
</tr>
<tr>
<td>dinoseb (6-sec-butyl-2,4-dinitrophenol)</td>
<td>88-85-7</td>
</tr>
<tr>
<td>4,4'-methylenedi-o-toluidine</td>
<td>838-88-0</td>
</tr>
<tr>
<td>4,4'-oxydianiline and its salts</td>
<td>101-80-4</td>
</tr>
<tr>
<td>4-aminoazobenzene</td>
<td>60-09-3</td>
</tr>
<tr>
<td>4-methyl-m-phenylenediamine (toluene-2,4-diamine)</td>
<td>95-80-7</td>
</tr>
<tr>
<td>6-methoxy-m-toluidine (p-cresidine)</td>
<td>120-71-8</td>
</tr>
<tr>
<td>biphenyl-4-ylamine</td>
<td>92-67-1</td>
</tr>
<tr>
<td>o-aminoazotoluene</td>
<td>97-56-3</td>
</tr>
<tr>
<td>o-toluidine</td>
<td>95-53-4</td>
</tr>
<tr>
<td>N-methylacetamide</td>
<td>79-16-3</td>
</tr>
<tr>
<td>Cadmium</td>
<td>7440-43-9</td>
</tr>
<tr>
<td>Dipentyl phthalate (DPP)</td>
<td>130-19-0</td>
</tr>
<tr>
<td>4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</td>
<td>-</td>
</tr>
<tr>
<td>Ammonium pentadecafluorooctanoate (APFO)</td>
<td>3825-26-1</td>
</tr>
<tr>
<td>Pentadecafluorooctanoic acid (PFOA)</td>
<td>335-67-1</td>
</tr>
</tbody>
</table>
### Appendix 3: Detailed List of Environmentally Hazardous Substances

<table>
<thead>
<tr>
<th>Substance Group name</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>ozone depleting substances</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>pentachlorotrifluoropropane</td>
<td>165-97-7</td>
</tr>
<tr>
<td>2-chloro-1,1,1,3,3,3-hexafluoro-propane (HCFC-226da)</td>
<td>431-87-8</td>
</tr>
<tr>
<td>tetrabromofluoromethane</td>
<td>HSC261016</td>
</tr>
<tr>
<td>tribromodifluoromethane</td>
<td>HSC261017</td>
</tr>
<tr>
<td>bromotrifluoromethane</td>
<td>HSC261019</td>
</tr>
<tr>
<td>tribromofluoromethane</td>
<td>HSC261021</td>
</tr>
<tr>
<td>hexabromofluoromethane</td>
<td>HSC261039</td>
</tr>
<tr>
<td>pentabromodifluoromethane</td>
<td>HSC261040</td>
</tr>
<tr>
<td>tetrabromotrifluoromethane</td>
<td>HSC261015</td>
</tr>
<tr>
<td>tribromotetrafluoroethane</td>
<td>HSC261014</td>
</tr>
<tr>
<td>dibromopentafluoropropane</td>
<td>HSC261029</td>
</tr>
<tr>
<td>tribromofluoropropane</td>
<td>HSC261041</td>
</tr>
<tr>
<td>tribromodifluoropropane</td>
<td>HSC261018</td>
</tr>
<tr>
<td>bromotrifluoropropane</td>
<td>HSC261028</td>
</tr>
<tr>
<td>tribromofluoropropane</td>
<td>HSC261022</td>
</tr>
<tr>
<td>bromotrifluoropropane</td>
<td>HSC261031</td>
</tr>
<tr>
<td>dibromofluoropropane</td>
<td>HSC261038</td>
</tr>
<tr>
<td>bromodifluoropropane</td>
<td>HSC261027</td>
</tr>
<tr>
<td>dibromopentafluoropropane (HBFC-225 B2)</td>
<td>431-78-7</td>
</tr>
<tr>
<td>bromotrifluoroethylene</td>
<td>421-46-5</td>
</tr>
<tr>
<td>bromotrifluoroethylene (HBFC-124 B1)</td>
<td>124-72-1</td>
</tr>
<tr>
<td>methyl bromide / methyl bromide (bromomethane)</td>
<td>74-83-9</td>
</tr>
<tr>
<td>bromoethane (ethyl bromide)</td>
<td>74-96-4</td>
</tr>
<tr>
<td>trifluorochloroethane (trifluoromethyl iodide)</td>
<td>2314-97-8</td>
</tr>
<tr>
<td>chloromethane</td>
<td>74-87-3</td>
</tr>
<tr>
<td>bromofluoromethane</td>
<td>373-52-4</td>
</tr>
<tr>
<td>chlorotrifluoroethane</td>
<td>79-38-9</td>
</tr>
<tr>
<td>bromochloromethane / chlorobromomethane</td>
<td>74-97-5</td>
</tr>
<tr>
<td>tetrachloromethane (tetrachlorocarbon)</td>
<td>56-23-5</td>
</tr>
<tr>
<td>bromotrifluoromethane / trifluorobromomethane</td>
<td>75-63-8</td>
</tr>
<tr>
<td>1,1,1-trichloroethane</td>
<td>71-55-6</td>
</tr>
<tr>
<td>trichlorofluoromethane</td>
<td>75-69-4</td>
</tr>
<tr>
<td>chlorotrifluoromethane</td>
<td>75-72-9</td>
</tr>
<tr>
<td>dichlorodifluoromethane</td>
<td>75-71-8</td>
</tr>
<tr>
<td>pentachlorotrifluoroethane</td>
<td>354-56-3</td>
</tr>
<tr>
<td>heptachlorofluoropropane</td>
<td>422-78-6</td>
</tr>
<tr>
<td>1,1,1,2,3,3,3-heptachloro-2-fluoropropane (CFC-211ba)</td>
<td>422-81-1</td>
</tr>
<tr>
<td>dichlorotetrafluoroethane</td>
<td>1320-37-2</td>
</tr>
<tr>
<td>hexachlorodifluoropropane</td>
<td>134452-44-1</td>
</tr>
<tr>
<td>bromochlorodifluoromethane / chlorodifluorobromomethane</td>
<td>353-59-3</td>
</tr>
<tr>
<td>heptafluoroproxy chloride</td>
<td>422-86-6</td>
</tr>
<tr>
<td>monochloropentafluoroethane</td>
<td>76-15-3</td>
</tr>
<tr>
<td>pentachlorotrifluoropropane / 1,1,1,3,3-pentachlor-2,2,3-trifluoropropane</td>
<td>2354-06-5</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1,2-dibromotetrafluoroethane / dibromotetrafluoroethane (Halon 2402)</td>
<td>124-73-2</td>
</tr>
<tr>
<td>1,2-difluorotetrachloroethane</td>
<td>76-12-0</td>
</tr>
<tr>
<td>tetrachlorotetrafluoropropylene</td>
<td>29255-31-0</td>
</tr>
<tr>
<td>1,2,2-trichloropentafluoropropylene</td>
<td>1599-41-3</td>
</tr>
<tr>
<td>1,2,3-trichloro-1,1,2,3,3-pentafluoropropane</td>
<td>76-17-5</td>
</tr>
<tr>
<td>1,1,2-trichloro-1,2,2-trifluoroethane</td>
<td>76-13-1</td>
</tr>
<tr>
<td>1,1-dichlor-1,2,2,2-tetrafluoroethane</td>
<td>374-07-2</td>
</tr>
<tr>
<td>1,2-dichloro-1,1,2,3,3,3-hexafluoropropane</td>
<td>661-97-2</td>
</tr>
<tr>
<td>heptachlorotrifluoropropylene</td>
<td>135401-87-5</td>
</tr>
<tr>
<td>cryofluorane</td>
<td>76-14-2</td>
</tr>
<tr>
<td>trichlorotrifluoromethane</td>
<td>26523-64-8</td>
</tr>
<tr>
<td>trichlorotrifluoroethane</td>
<td>354-58-5</td>
</tr>
<tr>
<td>1,1-dichlor-1,2,2,2-tetrafluoroethane</td>
<td>67-72-1</td>
</tr>
<tr>
<td>pentachlorotrifluoropropylene</td>
<td>134237-31-3</td>
</tr>
<tr>
<td>1,1,1-trichloropentafluoropropene</td>
<td>4259-43-2</td>
</tr>
<tr>
<td>1,1,1,2-tetrachloro-2,2-difluoroethane</td>
<td>76-11-9</td>
</tr>
<tr>
<td>1,1,1,3-tetrachlorotetrafluoropropane</td>
<td>2268-46-4</td>
</tr>
<tr>
<td>1,1,1,3,3,3-hexachloro-2,2-difluoropropane</td>
<td>3182-26-1</td>
</tr>
<tr>
<td>1,1,1-tribromo-2,2,2-trifluoroethane</td>
<td>354-48-3</td>
</tr>
<tr>
<td>1,1-dibromo-1,2,2,2-tetrafluoroethane</td>
<td>27336-23-8</td>
</tr>
<tr>
<td>1,1-dibromo-2,2-difluoroethylene</td>
<td>430-85-3</td>
</tr>
<tr>
<td>1,2-dibromo-1,1,2-trichloroethane</td>
<td>13749-38-7</td>
</tr>
<tr>
<td>1,2-dibromo-1-chloro-1,2,2-trifluoroethane</td>
<td>354-51-8</td>
</tr>
<tr>
<td>1,2-dibromotetrachloroethane</td>
<td>630-25-1</td>
</tr>
<tr>
<td>1-bromo-1-chloro-2,2-difluoroethylene</td>
<td>758-24-7</td>
</tr>
<tr>
<td>2-bromo-1,1-dichloroethylene</td>
<td>5870-61-1</td>
</tr>
<tr>
<td>bromodichlorofluoromethane</td>
<td>353-58-2</td>
</tr>
<tr>
<td>bromopentafluoroethane</td>
<td>354-55-2</td>
</tr>
<tr>
<td>bromotrifluoroethene</td>
<td>598-73-2</td>
</tr>
<tr>
<td>carbon tetrabromide</td>
<td>558-13-4</td>
</tr>
<tr>
<td>chlorobromotrifluoroethane</td>
<td>74925-63-6</td>
</tr>
<tr>
<td>chlorodibromomethane</td>
<td>124-48-1</td>
</tr>
<tr>
<td>dibromodichloromethane</td>
<td>594-18-3</td>
</tr>
<tr>
<td>dibromotetrafluoroethane</td>
<td>25497-30-7</td>
</tr>
<tr>
<td>ethane, 1-bromo-2-chloro-1,1,2-trifluoro- / ethane, 1,2-dibromo-1,1,2-trifluoro-ethane, 2-bromo-1-chloro-1,1,2-trifluoro-ethane, 2-bromo-2-chloro-1,1,1-trifluoro-ethane, 2-bromo-2-chloro-1,1,1-trifluoro-ethane, (R)-ethane, 2-bromo-2-chloro-1,1,1-trifluoro-ethane, (S)-ethane, tribromo-ethene, tetrabromo-methane, bromotrichloromethane, tribromo/trifluoro-pentabromoethane, tribromochloromethane, dibromodifluoromethane, dibromodifluoroethane / 1,2-dibromo-1,1-difluoroethane, dibromofluoromethane, C2H2F2Br2: 1,1-dibromo-2,2-difluoroethane, bromodifluoromethane, bromofluoroethane / 1-bromo-2-fluoroethane, 1-bromo-3-fluoropropane, 3-bromo-1,1,1-trifluoropropane, dibromofluoroethane, dibromodifluoropropene / 1,3-dibromo-1,1-difluoropropane, dibromotrifluoroethane / 1,2-dibromo-1,1,2-trifluoroethane</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>dibromotrifluoropropane / 2,3-dibromo-1,1,1-trifluoropropane</td>
<td>431-21-0</td>
</tr>
<tr>
<td>C2HFBr4</td>
<td>353-93-5</td>
</tr>
<tr>
<td>C2HBr4</td>
<td>306-80-9</td>
</tr>
<tr>
<td>C2H2FBr3</td>
<td>7304-53-2</td>
</tr>
<tr>
<td>C2H2FBr3</td>
<td>677-34-9</td>
</tr>
<tr>
<td>C2H2FBr3</td>
<td>353-97-9</td>
</tr>
<tr>
<td>C2H2FBr3</td>
<td>598-67-4</td>
</tr>
<tr>
<td>C2H2FBr3</td>
<td>420-88-2</td>
</tr>
<tr>
<td>bromodifluoroethane / C2H3F2Br: bromo-1,1-difluoroethane</td>
<td>359-07-9</td>
</tr>
<tr>
<td>C3HFBr6</td>
<td>AL01</td>
</tr>
<tr>
<td>C3HF2Br5</td>
<td>AL01</td>
</tr>
<tr>
<td>C3HF3Br4</td>
<td>AL01</td>
</tr>
<tr>
<td>C3HF4Br3</td>
<td>666-48-8</td>
</tr>
<tr>
<td>C3H2FBr5</td>
<td>AL01</td>
</tr>
<tr>
<td>C3H2F2Br4</td>
<td>148875-98-3</td>
</tr>
<tr>
<td>1,2,2-tribromo-3,3,3-trifluoropropane</td>
<td>421-90-9</td>
</tr>
<tr>
<td>1,3-dibromo-1,1,1,3-tetrafluoropropane</td>
<td>460-86-6</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>422-01-5</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>677-52-1</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>677-53-2</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>22692-16-6</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>460-88-8</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>679-94-7</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>26391-11-7</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>53692-43-6</td>
</tr>
<tr>
<td>C3H2F5Br</td>
<td>53692-44-7</td>
</tr>
<tr>
<td>tribromodifluoropropane(HBFC-242 B3)</td>
<td>70192-80-2</td>
</tr>
<tr>
<td>C3H3FBr4</td>
<td>148875-95-0</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>666-25-1</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>19041-01-1</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>29151-25-5</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>679-84-5</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>460-67-3</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>70192-71-1</td>
</tr>
<tr>
<td>C3H3F4Br</td>
<td>70192-84-6</td>
</tr>
<tr>
<td>C3H4FBr3</td>
<td>75372-14-4</td>
</tr>
<tr>
<td>C3H5FBr2</td>
<td>453-00-9</td>
</tr>
<tr>
<td>C3H5FBr2</td>
<td>1786-38-5</td>
</tr>
<tr>
<td>C3H5FBr2</td>
<td>51584-26-0</td>
</tr>
<tr>
<td>C3H5FBr2</td>
<td>62135-10-8</td>
</tr>
<tr>
<td>C3H5FBr2</td>
<td>62135-11-9</td>
</tr>
<tr>
<td>C3H5F2Br</td>
<td>111483-20-6</td>
</tr>
<tr>
<td>C3H5F2Br</td>
<td>430-87-5</td>
</tr>
<tr>
<td>C3H5F2Br</td>
<td>420-89-3</td>
</tr>
<tr>
<td>C3H5F2Br</td>
<td>420-98-4</td>
</tr>
<tr>
<td>C3H5F2Br</td>
<td>2195-05-3</td>
</tr>
<tr>
<td>C3H5F2Br</td>
<td>461-49-4</td>
</tr>
<tr>
<td>bromodifluoroethane / 1-bromo-1,1-difluoroethane</td>
<td>420-47-3</td>
</tr>
<tr>
<td>bromohexafluoropropane / 1-bromo-1,1,2,3,3,3-hexafluoropropane</td>
<td>2252-78-0</td>
</tr>
<tr>
<td>bromotrifluoroethane / 2-bromo-1,1,1-trifluoroethane / 1,1,1-trifluoro-2-bromoethane</td>
<td>421-06-7</td>
</tr>
<tr>
<td>ethene, 2-bromo-1,1-difluoro-</td>
<td>359-08-0</td>
</tr>
<tr>
<td>bromofluoropropane / propane, 1-bromo-2-fluoro-</td>
<td>1871-72-3</td>
</tr>
<tr>
<td>1,1-dichloro-1,2,2-trifluoroethane (HCFC-123b)</td>
<td>812-04-4</td>
</tr>
<tr>
<td>1,2,2-trichloro-1,1-difluoroethane</td>
<td>354-21-2</td>
</tr>
<tr>
<td>1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)</td>
<td>354-23-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)</td>
<td>90454-18-5</td>
</tr>
<tr>
<td>1,2-dichloro-1,1-difluoroethane</td>
<td>1649-08-7</td>
</tr>
<tr>
<td>1,2-dichloro-1,2-difluoroethane</td>
<td>431-06-1</td>
</tr>
<tr>
<td>2-chloro-1,3-difluoropropane</td>
<td>102738-79-4</td>
</tr>
<tr>
<td>1-chloro-1,1-difluoropropane</td>
<td>421-02-03</td>
</tr>
<tr>
<td>1-chloro-1,1-difluoropropane (HCFC-262fc)</td>
<td>421-02-3</td>
</tr>
<tr>
<td>1,1-dichloro-1,2,3,3,3-pentafluoropropane</td>
<td>111512-56-2</td>
</tr>
<tr>
<td>tetrachlorodifluoropropane</td>
<td>127564-82-3</td>
</tr>
<tr>
<td>trichlorodifluoropropane</td>
<td>127564-90-3</td>
</tr>
<tr>
<td>trichlorotetrafluoropropane</td>
<td>127564-91-4</td>
</tr>
<tr>
<td>2,2-dichloro-1,1,1,3,3,3-pentafluoropropane</td>
<td>128903-21-9</td>
</tr>
<tr>
<td>chlorotrifluoroethane</td>
<td>1330-45-6</td>
</tr>
<tr>
<td>tetrachlorofluoropropane</td>
<td>134190-49-1</td>
</tr>
<tr>
<td>1,1,2,3-tetrafluorocarbons</td>
<td>666-27-3</td>
</tr>
<tr>
<td>trichlorofluoropropane</td>
<td>134190-51-5</td>
</tr>
<tr>
<td>tetrachlorofluoroethane</td>
<td>134237-32-4</td>
</tr>
<tr>
<td>trichlorofluoroethane</td>
<td>134237-34-6</td>
</tr>
<tr>
<td>hexachlorofluoroethane</td>
<td>134237-35-7</td>
</tr>
<tr>
<td>pentachlorodifluoropropane</td>
<td>134237-36-8</td>
</tr>
<tr>
<td>tetrachlorotrifluoropropane</td>
<td>134237-37-9</td>
</tr>
<tr>
<td>trichlorotetrafluoropropane</td>
<td>134237-38-0</td>
</tr>
<tr>
<td>tetrachlorodifluoropropane</td>
<td>134237-39-1</td>
</tr>
<tr>
<td>trichlorotetrafluoropropane</td>
<td>134237-40-4</td>
</tr>
<tr>
<td>chloropentafluoropropane</td>
<td>134237-41-5</td>
</tr>
<tr>
<td>trichlorodifluoropropane</td>
<td>134237-42-6</td>
</tr>
<tr>
<td>dichlorotrifluoropropane</td>
<td>134237-43-7</td>
</tr>
<tr>
<td>chlorotrifluoroethane</td>
<td>134237-44-8</td>
</tr>
<tr>
<td>dichlorofluoropropane</td>
<td>134237-45-9</td>
</tr>
<tr>
<td>1,1-dichloro-1,2,2,3,3-pentafluoropropane</td>
<td>13474-88-9</td>
</tr>
<tr>
<td>1,3-dichloro-1,1,2,3,3-pentafluoropropane</td>
<td>136013-79-1</td>
</tr>
<tr>
<td>1,1-dichloro-1,2-difluoroethane</td>
<td>1842-05-3</td>
</tr>
<tr>
<td>dichlorofluoroethane</td>
<td>25167-88-8</td>
</tr>
<tr>
<td>dichlorodifluoroethane</td>
<td>25915-78-0</td>
</tr>
<tr>
<td>hexachlorofluoroethane</td>
<td>29470-94-8</td>
</tr>
<tr>
<td>tetrachlorodifluoropropane</td>
<td>29470-95-9</td>
</tr>
<tr>
<td>2,3-dichloro-1,1,1-trifluoropropane</td>
<td>338-75-0</td>
</tr>
<tr>
<td>trichlorodifluoroethane</td>
<td>41834-16-6</td>
</tr>
<tr>
<td>2-chloro-2-fluoropropane (HCFC-271ba)</td>
<td>420-44-0</td>
</tr>
<tr>
<td>1-chloro-1-fluoropropane (HCFC-271fb)</td>
<td>430-55-7</td>
</tr>
<tr>
<td>1,2-dichloro-1,1,2,3,3-pentafluoropropane</td>
<td>422-44-6</td>
</tr>
<tr>
<td>dichloropentafluoropropane</td>
<td>127564-92-5</td>
</tr>
<tr>
<td>2,3-dichloro-1,1,1,2,3-pentafluoropropane</td>
<td>422-48-0</td>
</tr>
<tr>
<td>1,1-dichloro-2,2,3,3,3-pentafluoropropane</td>
<td>422-56-0</td>
</tr>
<tr>
<td>1,2-dichloro-1,1,3,3,3-pentafluoropropane</td>
<td>431-86-7</td>
</tr>
<tr>
<td>3-chloro-1,1,1-trifluoropropane</td>
<td>460-35-5</td>
</tr>
<tr>
<td>3,3-dichloro-1,1,1-trifluoropropane</td>
<td>460-69-5</td>
</tr>
<tr>
<td>1-chloro-1,1,3,3,3-pentafluoropropane</td>
<td>460-92-4</td>
</tr>
<tr>
<td>1,3-dichloro-1,1,2,2,3-pentafluoropropane</td>
<td>507-55-1</td>
</tr>
<tr>
<td>trichlorotrifluoropropane</td>
<td>61623-04-9</td>
</tr>
<tr>
<td>3-chloro-1,1,2,2-tetrafluoropropane (HCFC-244ca)</td>
<td>679-85-6</td>
</tr>
<tr>
<td>1,1,1-trichloro-3,3,3-trifluoropropane</td>
<td>7125-83-9</td>
</tr>
<tr>
<td>1,1-dichloro-1,2,2-trifluoropropane</td>
<td>7125-99-7</td>
</tr>
<tr>
<td>1,1-dichloro-1-fluoropropane (HCFC-261fc)</td>
<td>7799-56-6</td>
</tr>
<tr>
<td>1,1,3-trichloro-1-fluoropropane</td>
<td>818-99-5</td>
</tr>
<tr>
<td>dichlorodifluoropropane</td>
<td>134190-52-6</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>dichlorofluoropropane</td>
<td>127404-11-9</td>
</tr>
<tr>
<td>dichlorotetrafluoropropane</td>
<td>127564-83-4</td>
</tr>
<tr>
<td>dichlorotrifluoropropane</td>
<td>116890-51-8</td>
</tr>
<tr>
<td>1,2-dichloro-1-fluoroethane</td>
<td>430-57-9</td>
</tr>
<tr>
<td>1,2-dichloro-1-fluoroethylene</td>
<td>430-58-0</td>
</tr>
<tr>
<td>1-chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)</td>
<td>354-25-6</td>
</tr>
<tr>
<td>1-chloro-1,1-difluoroethane</td>
<td>75-68-3</td>
</tr>
<tr>
<td>1-chloro-1,2-difluoroethylene</td>
<td>359-04-6</td>
</tr>
<tr>
<td>1-chloro-1-fluoroethene</td>
<td>2317-91-1</td>
</tr>
<tr>
<td>1-chloro-2-fluoroethylene</td>
<td>460-16-2</td>
</tr>
<tr>
<td>2-chloro-1,1-difluoroethylene</td>
<td>359-10-4</td>
</tr>
<tr>
<td>chlorodifluorothanes</td>
<td>25497-29-4</td>
</tr>
<tr>
<td>chlorodifluoromethane</td>
<td>75-45-6</td>
</tr>
<tr>
<td>chlorofluoromethane</td>
<td>593-70-4</td>
</tr>
<tr>
<td>chlorotetrafluoroethane</td>
<td>63938-10-3</td>
</tr>
<tr>
<td>dichlorofluoromethane</td>
<td>75-43-4</td>
</tr>
<tr>
<td>dichlorotrifluoroethane</td>
<td>34077-87-7</td>
</tr>
<tr>
<td>ethane, 1,1,1-trichloro-2-fluoro-</td>
<td>2366-36-1</td>
</tr>
<tr>
<td>ethane, 1,1,2-trichloro-1-fluoro-</td>
<td>811-95-0</td>
</tr>
<tr>
<td>ethane, 1,1,2-trichloro-2-fluoro-</td>
<td>359-28-4</td>
</tr>
<tr>
<td>1,1-dichloro-1-fluoroethane / ethane, 1,1-dichloro-1-fluoro-</td>
<td>1717-00-6</td>
</tr>
<tr>
<td>ethane, 1,2-difluoro-1,1,2-trichloro-</td>
<td>354-15-4</td>
</tr>
<tr>
<td>ethane, 1-chloro-1,2-difluoro-</td>
<td>338-64-7</td>
</tr>
<tr>
<td>2,2-dichloro-1,1,1-trifluoroethane / ethane, 2,2-dichloro-1,1,1-trifluoro-</td>
<td>306-83-2</td>
</tr>
<tr>
<td>2-chloro-1,1,1,2-tetrafluoroethane / ethane, 2-chloro-1,1,1,2-tetrafluoro-</td>
<td>2837-89-0</td>
</tr>
<tr>
<td>ethane, chloro-1,1-difluoro-</td>
<td>55949-44-5</td>
</tr>
<tr>
<td>ethane, monochlorodifluoro-trichlorofluoroethane</td>
<td>338-65-8</td>
</tr>
<tr>
<td>chlorodifluoropropane</td>
<td>2715433-2</td>
</tr>
<tr>
<td>chlorofluoroethane</td>
<td>110587-14-9</td>
</tr>
<tr>
<td>chlorofluoropropane</td>
<td>134190-54-8</td>
</tr>
<tr>
<td>chlorohexafluoropropane</td>
<td>28987-04-4</td>
</tr>
<tr>
<td>chloropentafluoropropane</td>
<td>108662-83-5</td>
</tr>
<tr>
<td>chlorotetrafluoropropane</td>
<td>134190-50-4</td>
</tr>
<tr>
<td>chlorotrifluoropropane</td>
<td>26588-23-8</td>
</tr>
<tr>
<td>chloro-1,1,1-trifluoroethane</td>
<td>75-88-7</td>
</tr>
<tr>
<td>pentachlorodifluoropropane</td>
<td>116867-32-4</td>
</tr>
<tr>
<td>pentachlorofluoropropane</td>
<td>134190-48-0</td>
</tr>
<tr>
<td>1-chloro-1,1,2-trifluoroethane</td>
<td>421-04-5</td>
</tr>
<tr>
<td>1-chloro-1,2,2-trifluoroethane</td>
<td>431-07-2</td>
</tr>
<tr>
<td>1,1-dichloro-2-fluoroethane</td>
<td>430-53-5</td>
</tr>
<tr>
<td>1,1-dichloro-2,2-difluoroethane</td>
<td>471-43-2</td>
</tr>
<tr>
<td>1,1,1,2-tetrachloro-2,2-fluoroethane</td>
<td>354-11-0</td>
</tr>
<tr>
<td>1,1,2,2-tetrachloro-2,2-fluoroethane</td>
<td>354-14-3</td>
</tr>
<tr>
<td>1,1,1,3,3-pentachloro-2,2-difluoropropane(HCFC-222ca)</td>
<td>422-49-1</td>
</tr>
<tr>
<td>1,2,2,3,3,3-pentachloro-1,1,1-difluoropropane(HCFC-222aa)</td>
<td>422-30-0</td>
</tr>
<tr>
<td>1,1,3,3-tetrachloro-1,2,2-trifluoropropane(HCFC-223ca)</td>
<td>422-52-6</td>
</tr>
<tr>
<td>1,1,1,3-tetrachloro-2,2,3,3-tetrafluoropropane(HCFC-223cb)</td>
<td>422-50-4</td>
</tr>
<tr>
<td>1,3,3-trichloro-1,1,2,2-tetrafluoropropane(HCFC-224ca)</td>
<td>422-54-8</td>
</tr>
<tr>
<td>1,1,3-trichloro-1,1,2,2-tetrafluoropropane(HCFC-224cb)</td>
<td>422-53-7</td>
</tr>
<tr>
<td>1,1,1-trichloro-2,2,3,3-tetrafluoropropane(HCFC-224cc)</td>
<td>422-51-7</td>
</tr>
<tr>
<td>1,1,1,3-tetrachloro-3,3,3-difluoropropane(HCFC-232fc)</td>
<td>460-89-9</td>
</tr>
<tr>
<td>1,1,1-trichloro-3,3,3-trifluoropropane(HCFC-233fb)</td>
<td>7125-83-9</td>
</tr>
<tr>
<td>1,3,3-trichloro-1,1-difluoropropane(HCFC-242fa)</td>
<td>460-63-9</td>
</tr>
<tr>
<td>1,1,1,2,2,3-hexachloro-3,3-fluoropropane(HCFC-221ab)</td>
<td>422-26-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1-chloro-1,1,2,2-tetrafluoropropane(HCFC-244cc)</td>
<td>421-75-0</td>
</tr>
<tr>
<td>1,2-dichloro-2-fluoropropane(HCFC-261ba)</td>
<td>420-97-3</td>
</tr>
<tr>
<td>1,1,2-trichloro-1-fluoropropane(HCFC-251dc)</td>
<td>421-41-0</td>
</tr>
<tr>
<td>1,3-dichloro-1,1-difluoropropane(HCFC-252fb)</td>
<td>819-00-1</td>
</tr>
<tr>
<td>1,2-dichloro-1,2,3,3-tetrafluoropropane(HCFC-234db)</td>
<td>425-94-5</td>
</tr>
<tr>
<td>1,1,1-trichloro-2,2-difluoroethane(HCFC-122b)</td>
<td>354-12-1</td>
</tr>
<tr>
<td>1-chloro-2,2-difluoropropane(HCFC-262ca)</td>
<td>420-99-5</td>
</tr>
<tr>
<td>1-chloro-2-fluoroethane(HCFC-151)</td>
<td>762-50-5</td>
</tr>
<tr>
<td>1,1,1,2,3-pentachloro-2-fluoro-propane(HCFC-231bb)</td>
<td>421-94-3</td>
</tr>
<tr>
<td>1,1,1,2,3,3,3-heptafluoropropane</td>
<td>2252-84-8</td>
</tr>
<tr>
<td>1,1,1,2,3,3,3-hexafluoropropane</td>
<td>431-63-0</td>
</tr>
<tr>
<td>1,1,1,2-tetrafluoroethane</td>
<td>811-97-2</td>
</tr>
<tr>
<td>1,1,1,2-tetrafluoroethane</td>
<td>359-35-3</td>
</tr>
<tr>
<td>1,1,2-trifluoroethane</td>
<td>430-66-0</td>
</tr>
<tr>
<td>1,1-difluoroethane</td>
<td>75-37-6</td>
</tr>
<tr>
<td>1,2-difluoroethane</td>
<td>624-72-6</td>
</tr>
<tr>
<td>difluoroethane</td>
<td>25497-28-3</td>
</tr>
<tr>
<td>difluoromethane</td>
<td>75-10-5</td>
</tr>
<tr>
<td>1,1,1-trifluoroethane / ethane, 1,1,1-trifluoro-</td>
<td>420-46-2</td>
</tr>
<tr>
<td>pentafluoroethane(HFC-125)</td>
<td>354-33-6</td>
</tr>
<tr>
<td>ethyl fluoride</td>
<td>353-36-6</td>
</tr>
<tr>
<td>methyl fluoride</td>
<td>593-53-3</td>
</tr>
<tr>
<td>1,1,1,2,2-pentafluoro propane</td>
<td>1814-88-6</td>
</tr>
<tr>
<td>1,1,1,3-pentafluoro propane</td>
<td>460-73-1</td>
</tr>
<tr>
<td>1,1,1,3,3-pentafluorobutane</td>
<td>406-58-6</td>
</tr>
</tbody>
</table>
| 1,1,1,2,2,3,4,5,5,5-decafluoropentane / pentane, 1,1,1,2,3,4,5,5,5-decafluoro-
  propane, 1,1,1,2,3,3,3-heptafluoro- / 1,1,1,2,3,3,3-heptafluoropropane | 138495-42-8 |
| 1,1,1,3,3,3-hexafluoropropene(HFC236fa)                                  | 690-39-1 |
| propane, hexafluoro-                                                   | 27070-61-7 |
| trifluoroethane                                                         | 27987-06-0 |
| trifluoromethane                                                        | 75-46-7 |
| vinylidene fluoride                                                     | 75-38-7 |
| 1,1,1,2,2,3-hexafluoro-propane (HFC-236cb)                              | 677-56-5 |
| ozon depletion substances                                               | AL01   |
| greenhouse substances                                                   |        |
| perfluoroisobutylene                                                    | 382-21-8 |
| n-perfluorooctane                                                       | 307-34-6 |
| octafluorocyclobutane                                                   | 115-25-3 |
| octafluoropropane                                                       | 76-19-7 |
| decafluorobutane                                                        | 355-25-9 |
| tetrafluorohexane                                                       | 355-42-0 |
| tetrafluoroethylene                                                     | 116-14-3 |
| dodecafluoro-pentane                                                    | 678-26-2 |
| heptane, hexadecafluoro-                                                | 355-57-9 |
| hexafluoroethane                                                        | 76-16-4 |
| tetrafluoromethane                                                      | 75-73-0 |
| perfluorocarbon greenhouse substances                                   | AL02   |
| 1,1,1,2,2,3,4,5,5,5-decafluoropentane / pentane, 1,1,1,2,2,3,4,5,5,5-decafluoro-
  propane, 1,1,1,2,3,3,3-heptafluoro- / 1,1,1,2,3,3,3-heptafluoropropane   | 138495-42-8 |
<p>| 1,1,1,2-tetrafluoroethane                                              | 811-97-2 |
| 1,1,1,3,3,3-hexafluoropropene(HFC236fa)                                 | 690-39-1 |
| 1,1,1,3,3-pentafluoropropane                                           | HSC680205 |
| 1,1,1,4,4,4-hexafluorobutane                                           | 407-59-0 |
| 1,1,1-trifluoroethane / ethane, 1,1,1-trifluoro-                        | 420-46-2 |
| 1,1,2,2,3-pentafluoropropane                                           | 679-86-7 |</p>
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,2,2-tetrafluoroethane</td>
<td>359-35-3</td>
</tr>
<tr>
<td>1,1,2-trifluoroethane</td>
<td>430-66-0</td>
</tr>
<tr>
<td>1,1-difluoroethane</td>
<td>75-37-6</td>
</tr>
<tr>
<td>difluoromethane</td>
<td>75-10-5</td>
</tr>
<tr>
<td>trifluoromethane</td>
<td>75-46-7</td>
</tr>
<tr>
<td>vinylidene fluoride</td>
<td>75-38-7</td>
</tr>
<tr>
<td>vinyl fluoride</td>
<td>75-02-5</td>
</tr>
<tr>
<td>methyl fluoride</td>
<td>593-53-3</td>
</tr>
<tr>
<td>pentafluoroethane (HFC-125)</td>
<td>354-33-6</td>
</tr>
<tr>
<td>hydrofluorocarbon greenhouse substances</td>
<td>AL03</td>
</tr>
<tr>
<td>sulfur hexafluoride</td>
<td>2551-62-4</td>
</tr>
<tr>
<td>nitrogen trifluoride</td>
<td>7783-54-2</td>
</tr>
<tr>
<td>chloroform</td>
<td>67-66-3</td>
</tr>
<tr>
<td>glycol ether and its acetates</td>
<td></td>
</tr>
<tr>
<td>2-methoxyethanol</td>
<td>109-86-4</td>
</tr>
<tr>
<td>propanol, 2-methoxy-</td>
<td>1589-47-5</td>
</tr>
<tr>
<td>1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)</td>
<td>110-71-4</td>
</tr>
<tr>
<td>2-ethoxyethanol</td>
<td>110-80-5</td>
</tr>
<tr>
<td>methyl cellosolve acetate / 2-methoxyethyl acetate</td>
<td>110-49-6</td>
</tr>
<tr>
<td>2-ethoxyethyl acetate</td>
<td>111-15-9</td>
</tr>
<tr>
<td>diethenylglycol dimethylene</td>
<td>111-96-6</td>
</tr>
<tr>
<td>ethanol, 2-(2-methoxyethoxy)-</td>
<td>111-77-3</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
</tr>
<tr>
<td>2-butoxyethyl acetate</td>
<td>112-07-2</td>
</tr>
<tr>
<td>2-propanol, 1-methoxy-</td>
<td>107-98-2</td>
</tr>
<tr>
<td>2-propyl, 1-methoxy-, acetate</td>
<td>108-65-6</td>
</tr>
<tr>
<td>2-propanol, 1-ethoxy-</td>
<td>1569-02-4</td>
</tr>
<tr>
<td>propanol, 1(or 2)-ethoxy-, acetate</td>
<td>98516-30-4</td>
</tr>
<tr>
<td>glycol ether and its acetate</td>
<td>AL05</td>
</tr>
<tr>
<td>brominated solvents</td>
<td></td>
</tr>
<tr>
<td>1-bromopropane</td>
<td>106-94-5</td>
</tr>
<tr>
<td>2-bromopropane</td>
<td>75-26-3</td>
</tr>
<tr>
<td>organic brominated solvent</td>
<td>AL51</td>
</tr>
<tr>
<td>benzene</td>
<td>71-43-2</td>
</tr>
<tr>
<td>aldehyde compounds</td>
<td></td>
</tr>
<tr>
<td>formaldehyde</td>
<td>50-00-0</td>
</tr>
<tr>
<td>acetaldehyde</td>
<td>75-07-0</td>
</tr>
<tr>
<td>chlorinated solvents</td>
<td></td>
</tr>
<tr>
<td>1,2-dichloroethane</td>
<td>107-06-2</td>
</tr>
<tr>
<td>cis-1,2-dichloroethene</td>
<td>156-59-2</td>
</tr>
<tr>
<td>trans-1,2-dichloroethene</td>
<td>156-60-5</td>
</tr>
<tr>
<td>1,3-dichloropropene</td>
<td>542-75-6</td>
</tr>
<tr>
<td>1,1,2,2 tetrachloroethane</td>
<td>79-34-5</td>
</tr>
<tr>
<td>dichloromethane</td>
<td>75-09-2</td>
</tr>
<tr>
<td>pentachloroethane</td>
<td>76-01-7</td>
</tr>
<tr>
<td>trichloroethylene</td>
<td>79-01-6</td>
</tr>
<tr>
<td>tetrachloroethylene</td>
<td>127-18-4</td>
</tr>
<tr>
<td>chloromethyl methyl ether (CMME)</td>
<td>107-30-2</td>
</tr>
<tr>
<td>dichloropropanol (1,3-dichloro-2-propanol)</td>
<td>96-23-1</td>
</tr>
<tr>
<td>hexachloro-1,3-butadiene (HCBD)</td>
<td>87-68-3</td>
</tr>
<tr>
<td>hexachlorocyclohexane, gamma isomer, lindane</td>
<td>58-89-9</td>
</tr>
<tr>
<td>pentachlorobenzene</td>
<td>608-93-5</td>
</tr>
<tr>
<td>pentachlorophenol</td>
<td>87-86-5</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>potassium pentachlorophenate</td>
<td>7778-73-6</td>
</tr>
<tr>
<td>sodium pentachlorophenate</td>
<td>131-52-2</td>
</tr>
<tr>
<td>zinc bis(pentachlorophenol,ate)</td>
<td>2917-32-0</td>
</tr>
<tr>
<td>1,2,3,4-tetrachlorobenzene</td>
<td>634-66-2</td>
</tr>
<tr>
<td>1,2,3,5- tetrachlorobenzene</td>
<td>634-90-2</td>
</tr>
<tr>
<td>benzene, tetrachloro-</td>
<td>12408-10-5</td>
</tr>
<tr>
<td>1,2,4,5- tetrachlorobenzene</td>
<td>95-94-3</td>
</tr>
<tr>
<td>bis(chloromethyl) ether (BCME)</td>
<td>542-88-1</td>
</tr>
<tr>
<td>2,4,5 -trichlorophenol,</td>
<td>95-95-4</td>
</tr>
<tr>
<td>2,4,6 -trichlorophenol,</td>
<td>88-06-2</td>
</tr>
<tr>
<td>1,2,3 - trichloropropane</td>
<td>96-18-4</td>
</tr>
<tr>
<td>1,1 dichloroethylene</td>
<td>75-35-4</td>
</tr>
<tr>
<td>1,1,1-trichloroethane</td>
<td>71-55-6</td>
</tr>
<tr>
<td>1,1,2 tetrachloroethane</td>
<td>630-20-6</td>
</tr>
<tr>
<td>1,1,2 trichloroethane</td>
<td>79-00-5</td>
</tr>
<tr>
<td>tetrachloromethane (tetrachlorocarbon)</td>
<td>56-23-5</td>
</tr>
<tr>
<td>chloroform / trichloromethane (chloroform)</td>
<td>67-66-3</td>
</tr>
<tr>
<td>propane, 1,2-dichloro-</td>
<td>78-87-5</td>
</tr>
<tr>
<td>chlorinated solvent</td>
<td>AL09</td>
</tr>
<tr>
<td>cadmium and its compounds</td>
<td></td>
</tr>
<tr>
<td>diethyl cadmium</td>
<td>592-02-9</td>
</tr>
<tr>
<td>dimethylcadmium</td>
<td>506-82-1</td>
</tr>
<tr>
<td>cadmium chloride monohydrate</td>
<td>35658-65-2</td>
</tr>
<tr>
<td>cadmium sulfate tetrahydrate</td>
<td>13477-21-9</td>
</tr>
<tr>
<td>antimony, compound with cadmium (2:3)</td>
<td>12014-29-8</td>
</tr>
<tr>
<td>boric acid, cadmium salt</td>
<td>51222-60-7</td>
</tr>
<tr>
<td>C.I. pigment orange 20</td>
<td>12656-57-4</td>
</tr>
<tr>
<td>cadmate(2-), tetrakis(cyano-C)-, dipotassium, (T-4)-</td>
<td>14402-75-6</td>
</tr>
<tr>
<td>cadmium</td>
<td>7440-43-9</td>
</tr>
<tr>
<td>cadmium acetate</td>
<td>543-90-8</td>
</tr>
<tr>
<td>cadmium acrylate</td>
<td>15743-19-8</td>
</tr>
<tr>
<td>cadmium arsenide (Cd3As2)</td>
<td>12006-15-4</td>
</tr>
<tr>
<td>cadmium bromide</td>
<td>7789-42-6</td>
</tr>
<tr>
<td>cadmium bromide, tetrahydrate</td>
<td>13464-92-1</td>
</tr>
<tr>
<td>cadmium carbonate</td>
<td>513-78-0</td>
</tr>
<tr>
<td>cadmium chloride</td>
<td>10108-64-2</td>
</tr>
<tr>
<td>cadmium chloride phosphate (Cd5Cl(PO4)3)</td>
<td>12185-64-7</td>
</tr>
<tr>
<td>cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped</td>
<td>100402-53-7</td>
</tr>
<tr>
<td>cadmium chloride, hydrate (2:5)</td>
<td>7790-78-5</td>
</tr>
<tr>
<td>cadmium chromate</td>
<td>14312-00-6</td>
</tr>
<tr>
<td>cadmium cyanide (Cd(CN)2)</td>
<td>542-83-6</td>
</tr>
<tr>
<td>cadmium dicosanoate</td>
<td>14923-81-0</td>
</tr>
<tr>
<td>cadmium dinitrite</td>
<td>7790-83-2</td>
</tr>
<tr>
<td>cadmium diricinoleate</td>
<td>13832-25-2</td>
</tr>
<tr>
<td>cadmium fluoborate</td>
<td>14486-19-2</td>
</tr>
<tr>
<td>cadmium fluoride (CdF2)</td>
<td>7790-79-6</td>
</tr>
<tr>
<td>cadmium hexafluorosilicate(2-)</td>
<td>17010-21-8</td>
</tr>
<tr>
<td>cadmium hydrogen phosphate</td>
<td>14067-62-0</td>
</tr>
<tr>
<td>cadmium hydroxide (Cd(OH)2)</td>
<td>21041-95-2</td>
</tr>
<tr>
<td>cadmium iodate</td>
<td>7790-81-0</td>
</tr>
<tr>
<td>cadmium iodide</td>
<td>7790-80-9</td>
</tr>
<tr>
<td>cadmium mercury telluride ((Cd,Hg)Te)</td>
<td>29870-72-2</td>
</tr>
<tr>
<td>cadmium molybdenum oxide (CdMoO4)</td>
<td>13972-68-4</td>
</tr>
<tr>
<td>cadmium niobium oxide (Cd2Nb2O7)</td>
<td>12187-14-3</td>
</tr>
<tr>
<td>cadmium nitrate</td>
<td>10022-68-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>cadmium nitrate</td>
<td>10325-94-7</td>
</tr>
<tr>
<td>cadmium oxide</td>
<td>1306-19-0</td>
</tr>
<tr>
<td>cadmium oxide (CdO), solid solution with calcium oxide and titanium oxide (TiO2), praseodymium-doped</td>
<td>101356-99-4</td>
</tr>
<tr>
<td>cadmium oxide (CdO), solid solution with magnesium oxide, tungsten oxide (WO3) and zinc oxide</td>
<td>102110-30-5</td>
</tr>
<tr>
<td>cadmium peroxide (Cd(O2))</td>
<td>12139-22-9</td>
</tr>
<tr>
<td>cadmium phosphide (Cd3P2)</td>
<td>12014-28-7</td>
</tr>
<tr>
<td>cadmium propionate</td>
<td>16986-83-7</td>
</tr>
<tr>
<td>cadmium selenide (CdSe)</td>
<td>1306-24-7</td>
</tr>
<tr>
<td>cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped</td>
<td>101357-00-0</td>
</tr>
<tr>
<td>cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped</td>
<td>101357-01-1</td>
</tr>
<tr>
<td>cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped</td>
<td>101357-02-2</td>
</tr>
<tr>
<td>cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped</td>
<td>101357-03-3</td>
</tr>
<tr>
<td>cadmium selenide (CdSe), solid solution with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped</td>
<td>101357-04-4</td>
</tr>
<tr>
<td>cadmium selenide sulfide (Cd(Se,S))</td>
<td>12626-36-7</td>
</tr>
<tr>
<td>cadmium selenide sulfide (Cd2SeS)</td>
<td>12213-70-6</td>
</tr>
<tr>
<td>cadmium selenide sulfide (CdSe0.53S0.47)</td>
<td>71243-75-9</td>
</tr>
<tr>
<td>cadmium selenide sulfide (Cd2SeS)</td>
<td>12214-12-9</td>
</tr>
<tr>
<td>cadmium selenide sulfide</td>
<td>11112-63-3</td>
</tr>
<tr>
<td>cadmium stearate</td>
<td>2223-93-0</td>
</tr>
<tr>
<td>cadmium succinate</td>
<td>141-00-4</td>
</tr>
<tr>
<td>cadmium sulfate</td>
<td>10124-36-4</td>
</tr>
<tr>
<td>cadmium sulfate, hydrate</td>
<td>7790-84-3</td>
</tr>
<tr>
<td>cadmium sulfide</td>
<td>1306-23-6</td>
</tr>
<tr>
<td>cadmium sulphite</td>
<td>13477-23-1</td>
</tr>
<tr>
<td>cadmium tantalum oxide (CdTa2O6)</td>
<td>12292-07-8</td>
</tr>
<tr>
<td>cadmium telluride (CdTe)</td>
<td>1306-25-8</td>
</tr>
<tr>
<td>cadmium titanium oxide (CdTiO3)</td>
<td>12014-14-1</td>
</tr>
<tr>
<td>cadmium tungsten oxide (CdWO4)</td>
<td>7790-85-4</td>
</tr>
<tr>
<td>cadmium vanadium oxide (CdV2O6)</td>
<td>16056-72-7</td>
</tr>
<tr>
<td>cadmium zinc sulfide</td>
<td>11129-14-9</td>
</tr>
<tr>
<td>cadmium zinc sulfide ((Cd,Zn)S)</td>
<td>12442-27-2</td>
</tr>
<tr>
<td>cadmium zirconium oxide (CdZrO3)</td>
<td>12139-23-0</td>
</tr>
<tr>
<td>Lauric acid, barium cadmium salt</td>
<td>15337-60-7</td>
</tr>
<tr>
<td>carboxic acid, cadmium salt</td>
<td>93820-02-1</td>
</tr>
<tr>
<td>diboron tricadmium hexaoxide</td>
<td>13701-66-1</td>
</tr>
<tr>
<td>dicadmium hexakis(cyano-C)ferate(4-)</td>
<td>13755-33-4</td>
</tr>
<tr>
<td>diphosphoric acid, barium cadmium salt</td>
<td>37131-86-5</td>
</tr>
<tr>
<td>diphosphoric acid, cadmium salt</td>
<td>19262-93-2</td>
</tr>
<tr>
<td>diphosphoric acid, cadmium salt (1:2)</td>
<td>15600-62-1</td>
</tr>
<tr>
<td>dipotassium tetrachlorocadmiate(2-)</td>
<td>20648-91-3</td>
</tr>
<tr>
<td>phosphoric acid, ammonium cadmium salt (1:1:1)</td>
<td>14520-70-8</td>
</tr>
<tr>
<td>phosphoric acid, cadmium salt</td>
<td>13847-17-1</td>
</tr>
<tr>
<td>phosphoric acid, cadmium salt (2:3)</td>
<td>13477-17-3</td>
</tr>
<tr>
<td>propanoic acid, cadmium salt</td>
<td>16986-83-7</td>
</tr>
<tr>
<td>selenic acid, cadmium salt (1:1)</td>
<td>13814-62-5</td>
</tr>
<tr>
<td>selenious acid, cadmium salt (1:1)</td>
<td>13814-59-0</td>
</tr>
<tr>
<td>silicic acid (H2SiO3), cadmium salt (1:1)</td>
<td>13477-19-5</td>
</tr>
<tr>
<td>sulfamic acid, cadmium salt (2:1)</td>
<td>14017-36-8</td>
</tr>
<tr>
<td>telluric acid (H2TeO3), cadmium salt (1:1)</td>
<td>15851-44-2</td>
</tr>
<tr>
<td>telluric acid (H2TeO4), cadmium salt (1:1)</td>
<td>15852-14-9</td>
</tr>
<tr>
<td>tetradecanoic acid, cadmium salt</td>
<td>10196-67-5</td>
</tr>
<tr>
<td>cadmiumumbis(diethylthiocarbamat)</td>
<td>14239-68-0</td>
</tr>
<tr>
<td>cadmium(+2) cation diformate</td>
<td>4464-23-7</td>
</tr>
<tr>
<td>cadmium Litophone Yellow</td>
<td>90604-90-3</td>
</tr>
<tr>
<td>cadmium sulfoselenide red</td>
<td>58339-34-7</td>
</tr>
<tr>
<td>cadmium zinc litophone yellow</td>
<td>90604-89-0</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>cadmium mercury sulfide</td>
<td>1345-09-1</td>
</tr>
<tr>
<td>cadmium zinefide yellow</td>
<td>8048-07-5</td>
</tr>
<tr>
<td>nonanoic acid, branched, cadmium salt</td>
<td>93686-40-9</td>
</tr>
<tr>
<td>cadmium compounds</td>
<td>AL10</td>
</tr>
<tr>
<td>mercury and its compounds</td>
<td></td>
</tr>
<tr>
<td>dimethyldichloro(dimethyldimethyl)sulfatenitrate</td>
<td></td>
</tr>
<tr>
<td>(2',7'-dibromo-3',6'-dihydroxy-3-oxospiro</td>
<td>isosbenzofuran-1(3H).9'-[9H]-xanthene]-4'-</td>
</tr>
<tr>
<td>(2-carboxy-m-tolyl)hydroxymercapton, monosodium salt</td>
<td>52795-88-7</td>
</tr>
<tr>
<td>(2-carboxyphenyl)hydroxymercapton</td>
<td>14066-61-6</td>
</tr>
<tr>
<td>(acetato-O)ethyldimercapton</td>
<td>109-62-6</td>
</tr>
<tr>
<td>(acetato-O)methylmercury</td>
<td>108-07-6</td>
</tr>
<tr>
<td>(bromodichloromethyl)phenylmercury</td>
<td>3294-58-4</td>
</tr>
<tr>
<td>(dihydroxyphenyl)phenylmercury</td>
<td>27360-58-3</td>
</tr>
<tr>
<td>(lactato-O)H2O2mercury</td>
<td>18918-06-4</td>
</tr>
<tr>
<td>(maleyldioxy)bis[phenylmercury]</td>
<td>2701-61-3</td>
</tr>
<tr>
<td>(metaborato-O)phenylmercury</td>
<td>31224-71-2</td>
</tr>
<tr>
<td>(phenylmercurio)urea</td>
<td>2279-64-3</td>
</tr>
<tr>
<td>(2-hydroxyethyl)aminophenylmercury acetate</td>
<td>61792-06-1</td>
</tr>
<tr>
<td>[mu-((oxydiethylene but-2-enedioato)(2-)] diphenylmercury</td>
<td>94070-92-5</td>
</tr>
<tr>
<td>[mu-([4,4'-oxydiethylene) bis<a href="2-">dodecylsuccinato</a>] diphenylmercury</td>
<td>93882-20-3</td>
</tr>
<tr>
<td><a href="2-nitrotoluene-4-yl">mu-</a>methylmercury</td>
<td>19367-79-4</td>
</tr>
<tr>
<td><a href="2-o-tolyl">mu-</a>mercury</td>
<td>6273-99-0</td>
</tr>
<tr>
<td>(2',2'-di-nitrotoluene-N,N,N',N'-tetrachloro)phenylmercury lactate</td>
<td>23319-66-6</td>
</tr>
<tr>
<td>[2-ethylhexyl hydrogen maleate-O]phenylmercury</td>
<td>27605-30-7</td>
</tr>
<tr>
<td>[benzoato(2-)]-C2O2mercury</td>
<td>5722-59-8</td>
</tr>
<tr>
<td>[naphthoato(1-)-O]phenylmercury</td>
<td>31632-68-5</td>
</tr>
<tr>
<td>2-ethyldimercaptothiobenzonic acid</td>
<td>148-61-8</td>
</tr>
<tr>
<td>2-ethoxyethyldimercapton</td>
<td>124-03-8</td>
</tr>
<tr>
<td>2-ethoxyethyldimercapton chloride</td>
<td>124-01-6</td>
</tr>
<tr>
<td>2-hydroxy-5-(1,1,3,3-tetramethylbutyl)phenylmercury acetate</td>
<td>584-18-9</td>
</tr>
<tr>
<td>2-methoxyethyldimercapton chloride</td>
<td>123-88-6</td>
</tr>
<tr>
<td>6-methyl-3-nitrobenzoxamercapton</td>
<td>133-58-4</td>
</tr>
<tr>
<td>barium tetraiodomercurate</td>
<td>10048-99-4</td>
</tr>
<tr>
<td>bis(5-oxo-DL-proline-N,O2)mercury</td>
<td>94276-38-7</td>
</tr>
<tr>
<td>bis(5-oxo-L-proline-N,O2)mercury</td>
<td>94481-62-6</td>
</tr>
<tr>
<td>bis(acetato-O)[mu-([1,3-dioxane-2,5-diy]bis[methylene]c,c',O,O')dimercapton]</td>
<td>84029-43-6</td>
</tr>
<tr>
<td>bis[lactato-O]2H2Omercury</td>
<td>18917-83-4</td>
</tr>
<tr>
<td>bis[(+)-lactato]mercury</td>
<td>6795-81-9</td>
</tr>
<tr>
<td>bis[(trimethylsilyl)methyl]mercury</td>
<td>13294-23-0</td>
</tr>
<tr>
<td>bromo(2-hydroxypropyl)mercury</td>
<td>18832-83-2</td>
</tr>
<tr>
<td>bromonthymylmercury</td>
<td>107-26-6</td>
</tr>
<tr>
<td>bromomethylmercury</td>
<td>506-83-2</td>
</tr>
<tr>
<td>bromophenylmercury</td>
<td>1192-89-8</td>
</tr>
<tr>
<td>chloromerodrin</td>
<td>62-37-3</td>
</tr>
<tr>
<td>chloro(hydroxyphenyl)mercury</td>
<td>1320-80-5</td>
</tr>
<tr>
<td>chloro(O-hydroxyphenyl)mercury</td>
<td>90-03-9</td>
</tr>
<tr>
<td>chlorophosphor[2-(2-hydroxy-1-naphthyl)azo]phenyl]mercury</td>
<td>3076-91-3</td>
</tr>
<tr>
<td>chloro-2-thienylmercury</td>
<td>5857-39-6</td>
</tr>
<tr>
<td>chloro-m-tolylmercury</td>
<td>5955-19-1</td>
</tr>
<tr>
<td>chloro-o-tolylmercury</td>
<td>2777-37-9</td>
</tr>
<tr>
<td>cobaltate(2-), tetrakis(thiocyanato-N) mercury(2+) (1:1), (T-4)-</td>
<td>27685-51-4</td>
</tr>
<tr>
<td>cyclohexanebutanoic acid, mercury(2+) salt</td>
<td>62638-02-2</td>
</tr>
<tr>
<td>diaminonitrotetrachloromercurate</td>
<td>33445-15-7</td>
</tr>
<tr>
<td>diethylmercury</td>
<td>627-44-1</td>
</tr>
<tr>
<td>dihydrogen [orthoborato(3-)-Ophenylmercurate(2-]</td>
<td>102-98-7</td>
</tr>
<tr>
<td>diiodo(5-iodopyrindin-2-amine-N)mercury</td>
<td>93820-20-3</td>
</tr>
<tr>
<td>dimercapton amidatenitratate</td>
<td>1310-88-9</td>
</tr>
<tr>
<td>dimercapton difluoride</td>
<td>13967-25-4</td>
</tr>
<tr>
<td>dimercapton diiodide</td>
<td>15385-57-6</td>
</tr>
<tr>
<td>dimercapton(1) oxalate</td>
<td>2949-11-3</td>
</tr>
<tr>
<td>dimethyl[mu-][sulphato(2-)-O,O'] dimercapton</td>
<td>3810-81-9</td>
</tr>
<tr>
<td>dimethylmercury</td>
<td>593-74-8</td>
</tr>
<tr>
<td>di-o-tolyldimercapton</td>
<td>616-99-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>diphenyl[mu-[(tetrapropenyl)succinato(2-)O:O']dimercury</td>
<td>27236-65-3</td>
</tr>
<tr>
<td>diphenylmercury</td>
<td>587-85-9</td>
</tr>
<tr>
<td>disodium tetra(cyano-C)mercurate(2-)</td>
<td>15682-88-9</td>
</tr>
<tr>
<td>disuccinimidomercury</td>
<td>584-43-0</td>
</tr>
<tr>
<td>ethylidomercury</td>
<td>2440-42-8</td>
</tr>
<tr>
<td>ethylmercuric chloride</td>
<td>107-27-7</td>
</tr>
<tr>
<td>ethylmercuric phosphate</td>
<td>2235-25-8</td>
</tr>
<tr>
<td>fluorescein mercuric acetate</td>
<td>3570-80-7</td>
</tr>
<tr>
<td>hexanoic acid, 2-ethyl-, mercury(2+) salt</td>
<td>13170-76-8</td>
</tr>
<tr>
<td>hydargaphen</td>
<td>14235-86-0</td>
</tr>
<tr>
<td>hydrogen [metasilicate(2-)]O(2-methoxyethyl)mercurate(1-)</td>
<td>64491-92-5</td>
</tr>
<tr>
<td>hydrogen.mer.[hydroxy[mu-orthoborato(3-)O:O']][diphenyldimercure(1-)</td>
<td>94277-53-9</td>
</tr>
<tr>
<td>iodomethylmercury</td>
<td>143-36-2</td>
</tr>
<tr>
<td>lactatophenylmercury</td>
<td>122-64-5</td>
</tr>
<tr>
<td>mercaptomerin sodium</td>
<td>4386-35-0</td>
</tr>
<tr>
<td>mercaperamide</td>
<td>21259-76-7</td>
</tr>
<tr>
<td>mercurate(1-), (4-carboxylatophenyl)chloro-, hydrogen</td>
<td>59-85-8</td>
</tr>
<tr>
<td>mercurate(1-), (4-carboxylatophenyl)hydroxy-, sodium</td>
<td>138-85-2</td>
</tr>
<tr>
<td>mercurate(1-), triiodo-, hydrogen, compound with 3-methyl-2(3H)-benzthiazolimine (1:1)</td>
<td>72379-35-2</td>
</tr>
<tr>
<td>mercurate(2-), tetrachloro-, dipotassium, (T-4)</td>
<td>20582-71-2</td>
</tr>
<tr>
<td>mercurate(2-), tetraiodo-, (T-4)-, dihydrogen, compound with 5-iido-2-pyridinamine (1:2)</td>
<td>63325-16-6</td>
</tr>
<tr>
<td>mercurate(2-), tetraiodo-, dicopper(1+), (T-4)-</td>
<td>13876-85-2</td>
</tr>
<tr>
<td>mercury di(acetate) / mercuric acetate</td>
<td>1600-27-7</td>
</tr>
<tr>
<td>mercuric arsenate</td>
<td>7784-37-4</td>
</tr>
<tr>
<td>mercuric benzoate</td>
<td>583-15-3</td>
</tr>
<tr>
<td>mercuric dibromide / mercuric bromide</td>
<td>7789-47-1</td>
</tr>
<tr>
<td>mercuric dichloride / mercuric chloride</td>
<td>7487-94-7</td>
</tr>
<tr>
<td>mercuric cyanide</td>
<td>592-04-1</td>
</tr>
<tr>
<td>mercuric diiodide / mercuric iodide</td>
<td>7774-29-0</td>
</tr>
<tr>
<td>mercuric nitrate</td>
<td>10045-94-0</td>
</tr>
<tr>
<td>mercuric oxide / mercuric oxide</td>
<td>21908-53-2</td>
</tr>
<tr>
<td>mercuric oxycyanide</td>
<td>1335-31-5</td>
</tr>
<tr>
<td>mercuric potassium cyanide</td>
<td>591-89-9</td>
</tr>
<tr>
<td>mercureic subsulfate</td>
<td>1312-03-4</td>
</tr>
<tr>
<td>mercury sulphate / mercuric sulfate</td>
<td>7783-35-9</td>
</tr>
<tr>
<td>mercuric thiocyanate</td>
<td>592-85-8</td>
</tr>
<tr>
<td>mercurobutol</td>
<td>498-73-7</td>
</tr>
<tr>
<td>mercurous acetate</td>
<td>631-60-7</td>
</tr>
<tr>
<td>mercurous azide</td>
<td>38232-63-2</td>
</tr>
<tr>
<td>mercurous chloride</td>
<td>7546-30-7</td>
</tr>
<tr>
<td>mercurous iodide</td>
<td>7783-30-4</td>
</tr>
<tr>
<td>mercurous nitrate</td>
<td>10415-75-5</td>
</tr>
<tr>
<td>mercurous oxide</td>
<td>15829-53-5</td>
</tr>
<tr>
<td>mercurous sulfate</td>
<td>7783-36-0</td>
</tr>
<tr>
<td>mercury</td>
<td>7439-97-6</td>
</tr>
<tr>
<td>mercury (I) chromate</td>
<td>13465-34-4</td>
</tr>
<tr>
<td>mercury (I) nitrate</td>
<td>14836-60-3</td>
</tr>
<tr>
<td>mercury (II) chromate</td>
<td>13444-75-2</td>
</tr>
<tr>
<td>mercury (II) nitrate, monohydrate</td>
<td>7783-34-8</td>
</tr>
<tr>
<td>mercury acetate</td>
<td>592-63-2</td>
</tr>
<tr>
<td>mercury acetylde</td>
<td>68833-55-6</td>
</tr>
<tr>
<td>mercury ammonium chloride</td>
<td>10124-48-8</td>
</tr>
<tr>
<td>mercury bis(4-chlorobenzoate)</td>
<td>15516-76-4</td>
</tr>
<tr>
<td>mercury bis(trifluoroacetate)</td>
<td>13257-51-7</td>
</tr>
<tr>
<td>mercury bromide (HgBr2)</td>
<td>15385-58-7</td>
</tr>
<tr>
<td>mercury bromide (HgBr)</td>
<td>10031-18-2</td>
</tr>
<tr>
<td>mercury chloride</td>
<td>10112-91-1</td>
</tr>
<tr>
<td>mercury dichromate</td>
<td>7789-10-8</td>
</tr>
<tr>
<td>mercury diiodate</td>
<td>7783-32-6</td>
</tr>
<tr>
<td>mercury dipotassium tetrathiocyanate</td>
<td>14099-12-8</td>
</tr>
<tr>
<td>mercury disilver tetradiode</td>
<td>7784-03-4</td>
</tr>
<tr>
<td>mercury distearate, pure</td>
<td>645-99-8</td>
</tr>
<tr>
<td>mercury fluoride</td>
<td>27575-47-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>mercury fluoride (HgF2)</td>
<td>7783-39-3</td>
</tr>
<tr>
<td>mercury gluconate</td>
<td>63937-14-4</td>
</tr>
<tr>
<td>mercury nitride</td>
<td>12136-15-1</td>
</tr>
<tr>
<td>mercury oleate</td>
<td>1191-80-6</td>
</tr>
<tr>
<td>mercury salicylate</td>
<td>5970-32-1</td>
</tr>
<tr>
<td>mercury selenide (HgSe)</td>
<td>20601-83-6</td>
</tr>
<tr>
<td>mercury silver iodide</td>
<td>12344-40-0</td>
</tr>
<tr>
<td>mercury succinate</td>
<td>589-65-1</td>
</tr>
<tr>
<td>mercury telluride (HgTe)</td>
<td>1344-48-5</td>
</tr>
<tr>
<td>mercury thallium dinitrate</td>
<td>12068-90-5</td>
</tr>
<tr>
<td>mercury(1+) bromate</td>
<td>94022-47-6</td>
</tr>
<tr>
<td>mercury(1+) ethyl sulphate</td>
<td>13465-33-3</td>
</tr>
<tr>
<td>mercury(1+) trifluoroacetate</td>
<td>71720-55-3</td>
</tr>
<tr>
<td>mercury(1+), amminephenyl-, acetate</td>
<td>2923-15-1</td>
</tr>
<tr>
<td>mercury(2+) (9Z,12Z)-octadeca-9,12-dienoate</td>
<td>22450-90-4</td>
</tr>
<tr>
<td>mercury(2+) chloroacetate</td>
<td>7756-49-2</td>
</tr>
<tr>
<td>mercury(2+), bis(2,4,6-tri-2-pyridinyl-1,3,5-triazine-N1,N2,N6)-, (OC-6-1')-</td>
<td>53010-52-9</td>
</tr>
<tr>
<td>mercury(II) oxalate</td>
<td>3444-13-1</td>
</tr>
<tr>
<td>mercury(II) potassium iodide</td>
<td>7783-33-7</td>
</tr>
<tr>
<td>mercury, (2-ethylhexanoato-O)(1-methoxycyclohexyl)-</td>
<td>103332-13-4</td>
</tr>
<tr>
<td>mercury, (1-methoxycyclohexyl)(neodecanoato-O)-</td>
<td>103369-15-9</td>
</tr>
<tr>
<td>mercury, (1-methoxyethyl)(9-octadecenoato-O)-</td>
<td>104325-07-7</td>
</tr>
<tr>
<td>mercury, (1-methoxycyclohexyl)(9-octadecenoato-O)-</td>
<td>104325-08-8</td>
</tr>
<tr>
<td>mercury, (1-methoxyethyl)(neodecanoato-O)-</td>
<td>104335-53-7</td>
</tr>
<tr>
<td>mercury, (2-ethylhexanoato-O)(1-methoxycyclohexyl)</td>
<td>104339-46-0</td>
</tr>
<tr>
<td>mercury, (2',7'-dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen ]-4'-yl)hydroxy-, disodium salt</td>
<td>129-16-8</td>
</tr>
<tr>
<td>mercury, (2-ethylhexanoato-O)phenyl-</td>
<td>13302-00-6</td>
</tr>
<tr>
<td>mercury, (9-octadecenoato-O)phenyl-, (Z)-</td>
<td>104-60-9</td>
</tr>
<tr>
<td>mercury, (acetoato-O)(2-hydroxy-5-nitrophenyl)-</td>
<td>63468-53-1</td>
</tr>
<tr>
<td>mercury, (acetoato-O)(4-aminophenyl)-</td>
<td>6283-24-5</td>
</tr>
<tr>
<td>mercury, (acetoato-O)[3-(chloromethoxy)propyl-C,O]-</td>
<td>5954-14-3</td>
</tr>
<tr>
<td>mercury, (acetoato-O)[4-[(4-(dimethylamino)phenyl)azo]phenyl]-</td>
<td>19447-62-2</td>
</tr>
<tr>
<td>mercury, (acetoato-O)diamminephenyl-, (T-4)-</td>
<td>68201-97-8</td>
</tr>
<tr>
<td>mercury, (neodecanoato-O)phenyl-</td>
<td>26545-49-3</td>
</tr>
<tr>
<td>mercury, [mu.-[dodecylbutanedioato(2-)O:O']][diphenyldi-</td>
<td>24806-32-4</td>
</tr>
<tr>
<td>mercury, [2,5-dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dionato(2-)O1,O6]</td>
<td>33770-60-4</td>
</tr>
<tr>
<td>mercury, bis(4-methylphenyl)-</td>
<td>537-64-4</td>
</tr>
<tr>
<td>mercury, bis(acetato-O)(benzenamine)-</td>
<td>63549-47-3</td>
</tr>
<tr>
<td>mercury, bis(phenyldiazenecarbothioic acid 2-phenylhydrazidato-N2,S)-, (T-4)-</td>
<td>14783-59-6</td>
</tr>
<tr>
<td>mercury, chloro(2-hydroxy-5-nitrophenyl)-</td>
<td>24579-90-6</td>
</tr>
<tr>
<td>mercury, chloro(4-hydroxyphenyl)-</td>
<td>623-07-4</td>
</tr>
<tr>
<td>mercury, chloro(4-methylphenyl)-</td>
<td>539-43-5</td>
</tr>
<tr>
<td>mercury, chloro(ethanethiolato)-</td>
<td>1785-43-9</td>
</tr>
<tr>
<td>mercury, chloro[2-(2-cyclohexen-1-yl)-3-benzofuranyl]-</td>
<td>90584-88-6</td>
</tr>
<tr>
<td>mercury, chloro[p-(2,4-dinitroanilino)phenyl]-</td>
<td>15785-93-0</td>
</tr>
<tr>
<td>mercury, compound with sodium (2:1)</td>
<td>12055-37-7</td>
</tr>
<tr>
<td>mercury, compound with sodium (4:1)</td>
<td>57363-77-6</td>
</tr>
<tr>
<td>mercury, compound with titanium (1:3)</td>
<td>11083-41-3</td>
</tr>
<tr>
<td>mercury, dibutyl-</td>
<td>629-35-6</td>
</tr>
<tr>
<td>mercury, iodiodomethyldi-(8-quimolinolato-N1,O8)-</td>
<td>141-51-5</td>
</tr>
<tr>
<td>mercury, phenyl(phenyldiazenecarbothioic acid 2-phenylhydrazidato)-</td>
<td>86-85-1</td>
</tr>
<tr>
<td>mercury, phenyl(phenyldiazenecarbothioic acid 2-phenylhydrazidato)-</td>
<td>56724-82-4</td>
</tr>
<tr>
<td>mercury, phenyl(propanoato-O)-</td>
<td>103-27-5</td>
</tr>
<tr>
<td>mercury, phenyl(trichloromethyl)-</td>
<td>3294-57-3</td>
</tr>
<tr>
<td>mercury(2+) chloroacetate</td>
<td>7756-49-2</td>
</tr>
<tr>
<td>mercury, (2',7'-dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen ]-4'-yl)hydroxy-, disodium salt</td>
<td>129-16-8</td>
</tr>
<tr>
<td>mercury, (2-ethylhexanoato-O)phenyl-</td>
<td>13302-00-6</td>
</tr>
<tr>
<td>mercury, (9-octadecenoato-O)phenyl-, (Z)-</td>
<td>104-60-9</td>
</tr>
<tr>
<td>mercury, (acetoato-O)(2-hydroxy-5-nitrophenyl)-</td>
<td>63468-53-1</td>
</tr>
<tr>
<td>mercury, (acetoato-O)(4-aminophenyl)-</td>
<td>6283-24-5</td>
</tr>
<tr>
<td>mercury, (acetoato-O)[3-(chloromethoxy)propyl-C,O]-</td>
<td>5954-14-3</td>
</tr>
<tr>
<td>mercury, (acetoato-O)[4-[(4-(dimethylamino)phenyl)azo]phenyl]-</td>
<td>19447-62-2</td>
</tr>
<tr>
<td>mercury, (acetoato-O)diamminephenyl-, (T-4)-</td>
<td>68201-97-8</td>
</tr>
<tr>
<td>mercury, (neodecanoato-O)phenyl-</td>
<td>26545-49-3</td>
</tr>
<tr>
<td>mercury, [mu.-[dodecylbutanedioato(2-)O:O']][diphenyldi-</td>
<td>24806-32-4</td>
</tr>
<tr>
<td>mercury, [2,5-dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dionato(2-)O1,O6]</td>
<td>33770-60-4</td>
</tr>
<tr>
<td>mercury, bis(4-methylphenyl)-</td>
<td>537-64-4</td>
</tr>
<tr>
<td>mercury, bis(acetato-O)(benzenamine)-</td>
<td>63549-47-3</td>
</tr>
<tr>
<td>mercury, bis(phenyldiazenecarbothioic acid 2-phenylhydrazidato-N2,S)-, (T-4)-</td>
<td>14783-59-6</td>
</tr>
<tr>
<td>mercury, chloro(2-hydroxy-5-nitrophenyl)-</td>
<td>24579-90-6</td>
</tr>
<tr>
<td>mercury, chloro(4-hydroxyphenyl)-</td>
<td>623-07-4</td>
</tr>
<tr>
<td>mercury, chloro(4-methylphenyl)-</td>
<td>539-43-5</td>
</tr>
<tr>
<td>mercury, chloro(ethanethiolato)-</td>
<td>1785-43-9</td>
</tr>
<tr>
<td>mercury, chloro[2-(2-cyclohexen-1-yl)-3-benzofuranyl]-</td>
<td>90584-88-6</td>
</tr>
<tr>
<td>mercury, chloro[p-(2,4-dinitroanilino)phenyl]-</td>
<td>15785-93-0</td>
</tr>
<tr>
<td>mercury, compound with sodium (2:1)</td>
<td>12055-37-7</td>
</tr>
<tr>
<td>mercury, compound with sodium (4:1)</td>
<td>57363-77-6</td>
</tr>
<tr>
<td>mercury, compound with titanium (1:3)</td>
<td>11083-41-3</td>
</tr>
<tr>
<td>mercury, dibutyl-</td>
<td>629-35-6</td>
</tr>
<tr>
<td>mercury, iodiodomethyldi-(8-quimolinolato-N1,O8)-</td>
<td>141-51-5</td>
</tr>
<tr>
<td>mercury, phenyl(phenyldiazenecarbothioic acid 2-phenylhydrazidato)-</td>
<td>56724-82-4</td>
</tr>
<tr>
<td>mercury, phenyl(propanoato-O)-</td>
<td>103-27-5</td>
</tr>
<tr>
<td>mercury, phenyl(trichloromethyl)-</td>
<td>3294-57-3</td>
</tr>
<tr>
<td>mercury(2+) chloroacetate</td>
<td>7756-49-2</td>
</tr>
<tr>
<td>mercury, (2',7'-dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen ]-4'-yl)hydroxy-, disodium salt</td>
<td>129-16-8</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>methoxethylmericuric acetate</td>
<td>151-38-2</td>
</tr>
<tr>
<td>methyl mercury dicyandiamide</td>
<td>502-39-6</td>
</tr>
<tr>
<td>methyl[(pentachlorophenol,ato)mercury</td>
<td>5902-76-1</td>
</tr>
<tr>
<td>methylmercury</td>
<td>22967-92-6</td>
</tr>
<tr>
<td>methylmercury benzoate</td>
<td>3626-13-9</td>
</tr>
<tr>
<td>methylmercury hydroxide</td>
<td>1184-57-2</td>
</tr>
<tr>
<td>n-(ethylmercuric)-p-toluenesulphonanilide</td>
<td>517-16-8</td>
</tr>
<tr>
<td>naphthenic acids, mercury salts</td>
<td>1336-96-5</td>
</tr>
<tr>
<td>nitric acid, mercury(2+) salt, hemihydrate</td>
<td>13465-31-1</td>
</tr>
<tr>
<td>otmurate sodium</td>
<td>16509-11-8</td>
</tr>
<tr>
<td>perchloric acid, mercury(2+) salt</td>
<td>7616-83-3</td>
</tr>
<tr>
<td>phenyl[quinolin-8-olato-N1,O8]mercury</td>
<td>14354-56-4</td>
</tr>
<tr>
<td>phenyl(tribromomethyl)mercury</td>
<td>3294-60-8</td>
</tr>
<tr>
<td>phenylmercuric acetate</td>
<td>62-38-4</td>
</tr>
<tr>
<td>phenylmercuric hydroxide</td>
<td>100-57-2</td>
</tr>
<tr>
<td>phenylmercuric nitrate</td>
<td>94-43-9</td>
</tr>
<tr>
<td>phenylmercury benzoate</td>
<td>100-56-1</td>
</tr>
<tr>
<td>phenylmercury benzoate-phenylmercury nitrate</td>
<td>28086-13-7</td>
</tr>
<tr>
<td>phenylmercury chloride</td>
<td>104-59-6</td>
</tr>
<tr>
<td>phenylmercury stearate</td>
<td>10451-12-4</td>
</tr>
<tr>
<td>phosphoric acid, mercury salt</td>
<td>22330-18-3</td>
</tr>
<tr>
<td>sodium [3-[(3-carboxylatopropionamido)carbonyl]amino]-2-methoxypropyl]hydroxymercurate(1-)</td>
<td>7620-30-6</td>
</tr>
<tr>
<td>sodium 4-chloromercuriobenzoate</td>
<td>3198-04-7</td>
</tr>
<tr>
<td>sodium o-(ethylmercurithio)benzoate</td>
<td>54-64-8</td>
</tr>
<tr>
<td>sodium timerfonate</td>
<td>5964-24-9</td>
</tr>
<tr>
<td>tetrakis(acetato-O)[.mu.4-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-2',4',5',7'-tetrayl)]tetramercury</td>
<td>54295-90-8</td>
</tr>
<tr>
<td>trimercury bisclitate</td>
<td>18211-85-3</td>
</tr>
<tr>
<td>cadmium mercury sulfide</td>
<td>1345-09-1</td>
</tr>
<tr>
<td>mercury, (2-mercaptoacetamidato-O,S)methyl</td>
<td>7548-26-7</td>
</tr>
<tr>
<td>mercury-difulminate</td>
<td>628-86-4</td>
</tr>
<tr>
<td>mercury compounds</td>
<td>AL11</td>
</tr>
<tr>
<td>lead hydride</td>
<td>14452-81-4</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(isodecanoato-O)lead</td>
<td>94246-92-1</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(isononanoato-O)lead</td>
<td>94246-91-0</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(isooctanoato-O)lead</td>
<td>94246-90-9</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(neodecanoato-O)lead</td>
<td>94246-93-2</td>
</tr>
<tr>
<td>(isodecanoato-O)(isononanoato-O)lead</td>
<td>94246-86-3</td>
</tr>
<tr>
<td>(isodecanoato-O)(isooctanoato-O)lead</td>
<td>94246-85-2</td>
</tr>
<tr>
<td>(isodecanoato-O)(neodecanoato-O)lead</td>
<td>94246-87-4</td>
</tr>
<tr>
<td>(isononanoato-O)(isononanoato-O)lead</td>
<td>94246-84-1</td>
</tr>
<tr>
<td>(isononanoato-O)(neodecanoato-O)lead</td>
<td>94481-58-0</td>
</tr>
<tr>
<td>(neononanoato-O)(neoundecanoato-O)lead</td>
<td>93894-64-5</td>
</tr>
<tr>
<td>.alpha.-D-glucopyranose, 1-(dihydrogen phosphate), lead salt</td>
<td>68901-12-2</td>
</tr>
<tr>
<td>[mu.4-(4,6-dimtroresorcinolato(2)-O1,03)]dihydroxydilead</td>
<td>84837-22-9</td>
</tr>
<tr>
<td>[mu.]<a href="2">(5,5'-azobis[1H-tetrazolato]</a>]dihydroxydilead</td>
<td>94015-57-3</td>
</tr>
<tr>
<td>1,2,3-propanetricarboxylic acid, 2-hydroxy-, lead salt</td>
<td>14450-60-3</td>
</tr>
<tr>
<td>1,2,3-propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3)</td>
<td>512-26-5</td>
</tr>
<tr>
<td>1,2,3-propanetricarboxylic acid, 2-hydroxy-, lead(2+) salt (2:3), trihydrate</td>
<td>6107-83-1</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, lead(2+) salt</td>
<td>18608-34-9</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, lead(2+) salt, basic</td>
<td>90193-83-2</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>1,3,5-triazine-2,4,6(1H,3H,5H)-trione, lead salt</td>
<td>54554-36-8</td>
</tr>
<tr>
<td>1,3-benzenediol, 2,4,6-trinitro-, lead salt</td>
<td>15245-44-0</td>
</tr>
<tr>
<td>1,3-benzenediol, nitro-, lead(2+) salt (1:1)</td>
<td>70268-38-1</td>
</tr>
<tr>
<td>2-Cyclohexadien-1-one, 3,3,5,5-trihydroxy-4,4-bis(3-methyl-2-butenyl)-2-(3-methyl-2-oxobutyl)-, lead salt (Z)</td>
<td>68901-11-1</td>
</tr>
<tr>
<td>2-butenedioic acid (E)-, lead salt</td>
<td>13698-55-0</td>
</tr>
<tr>
<td>2-butenedioic acid (E)-, lead(2+), salt, basic</td>
<td>90268-59-0</td>
</tr>
<tr>
<td>2-butenedioic acid (Z)-, lead(2+), salt, basic</td>
<td>90268-66-9</td>
</tr>
<tr>
<td>2-propenoic acid, 2-methyl-, lead salt, basic</td>
<td>90552-19-5</td>
</tr>
<tr>
<td>2-propenoic acid, 2-methyl-, methylenecyclohexane, lead(2+) bis(2-methyl-2-propenoate) and alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)oxy]-lead(4+) ethanediol</td>
<td>68155-47-5</td>
</tr>
<tr>
<td>3-(triphenylplumbyl)-1H-pyrazole</td>
<td>51105-45-4</td>
</tr>
<tr>
<td>7,11-Metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplumbacyclodecine, 5,5,13,13-tetradehydro-4,5-dihydro-4,8,10,15-tetranitro-</td>
<td>19651-80-0</td>
</tr>
<tr>
<td>7-methyloctanoic acid, lead salt</td>
<td>97952-39-1</td>
</tr>
<tr>
<td>9-hexadecenoic acid, lead(2+), salt, (Z)-, basic</td>
<td>90388-15-1</td>
</tr>
<tr>
<td>9-octadecenoic acid (Z)-, lead salt</td>
<td>15347-55-4</td>
</tr>
<tr>
<td>9-octadecenoic acid (Z)-, lead salt, basic</td>
<td>90459-88-4</td>
</tr>
<tr>
<td>acetic acid, lead salt, basic</td>
<td>51404-69-4</td>
</tr>
<tr>
<td>acetoxytributylplumbane</td>
<td>2587-82-8</td>
</tr>
<tr>
<td>acetoxytrimethylplumbane</td>
<td>5711-19-3</td>
</tr>
<tr>
<td>acetoxytriphenylplumbane</td>
<td>1162-06-7</td>
</tr>
<tr>
<td>arsenic acid, lead (4+) salt</td>
<td>53404-12-9</td>
</tr>
<tr>
<td>basic lead sulfite</td>
<td>12608-25-2</td>
</tr>
<tr>
<td>benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, lead(2+) salts</td>
<td>84961-75-1</td>
</tr>
<tr>
<td>bis(diethylthiocarbamato-S,S')lead</td>
<td>17549-30-3</td>
</tr>
<tr>
<td>bis(o-acetoxybenzoato)lead</td>
<td>62451-77-8</td>
</tr>
<tr>
<td>bis(pentane-2,4-dionato-O,O')lead</td>
<td>15282-88-9</td>
</tr>
<tr>
<td>bismuth lead ruthenium oxide</td>
<td>65229-22-3</td>
</tr>
<tr>
<td>bismuth, compound with lead (1:1)</td>
<td>12048-28-1</td>
</tr>
<tr>
<td>butenedioic acid, 2,3-dihydroxy-[R-(R*,R*)]-, lead(2+) salt (1:1)</td>
<td>815-84-9</td>
</tr>
<tr>
<td>carbamodithioic acid, ethylenyl-, lead(2+) salt</td>
<td>93892-65-0</td>
</tr>
<tr>
<td>carbonic acid, lead(2+) salt</td>
<td>25510-11-6</td>
</tr>
<tr>
<td>castor oil, dehydrated, polymer with rosin, calcium lead zinc salt</td>
<td>68604-05-7</td>
</tr>
<tr>
<td>chlorotrimethylplumbane</td>
<td>1520-78-1</td>
</tr>
<tr>
<td>chlorotriphenylplumbane</td>
<td>1153-06-6</td>
</tr>
<tr>
<td>lead sulfochromate yellow</td>
<td>1344-37-2</td>
</tr>
<tr>
<td>chromium lead oxide</td>
<td>11119-70-3</td>
</tr>
<tr>
<td>chromium lead oxide sulfate, silica-modified</td>
<td>116565-74-3</td>
</tr>
<tr>
<td>copper, beta.-resorcylate salicylate lead complexes</td>
<td>68411-07-4</td>
</tr>
<tr>
<td>cyclohexanebutanoic acid, lead(2+) salt</td>
<td>62637-99-4</td>
</tr>
<tr>
<td>decanoic acid, branched, lead salts</td>
<td>90342-24-8</td>
</tr>
<tr>
<td>decanoic acid, lead salt</td>
<td>20403-42-3</td>
</tr>
<tr>
<td>diacetoxydiphenylplumbane</td>
<td>6928-68-3</td>
</tr>
<tr>
<td>diamylthiocarbamate, lead</td>
<td>109707-90-6</td>
</tr>
<tr>
<td>dianthimony lead tetroxide</td>
<td>16450-50-3</td>
</tr>
<tr>
<td>dibasic lead stearate</td>
<td>56189-09-4</td>
</tr>
<tr>
<td>dibismuth dilead tetraruthenium tridecaoxide</td>
<td>11116-83-9</td>
</tr>
<tr>
<td>didecylchromate dihydroxide</td>
<td>12017-86-6</td>
</tr>
<tr>
<td>didecyl dihydroxide heptaoxide</td>
<td>37240-96-3</td>
</tr>
<tr>
<td>diphenyldichloride</td>
<td>2117-69-3</td>
</tr>
<tr>
<td>diplumbane, hexaethyl-</td>
<td>2388-00-3</td>
</tr>
<tr>
<td>diplumbane, hexaphenyl-</td>
<td>3124-01-4</td>
</tr>
<tr>
<td>docosanoic acid, lead salt</td>
<td>3249-61-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>dodecanoic acid, lead salt, basic</td>
<td>90342-56-6</td>
</tr>
<tr>
<td>dodecanoic acid, lead(2+) salt</td>
<td>15773-55-4</td>
</tr>
<tr>
<td>fatty acids, C12-18, lead salts</td>
<td>68131-60-2</td>
</tr>
<tr>
<td>fatty acids, C14-26, lead salts</td>
<td>93165-26-5</td>
</tr>
<tr>
<td>fatty acids, C16-18, lead salts</td>
<td>91031-62-8</td>
</tr>
<tr>
<td>fatty acids, C18-24, lead salts</td>
<td>84776-54-5</td>
</tr>
<tr>
<td>fatty acids, C4-20-branched, lead salts</td>
<td>125328-49-6</td>
</tr>
<tr>
<td>fatty acids, C6-19-branched, lead salts</td>
<td>91002-20-9</td>
</tr>
<tr>
<td>fatty acids, C8-10, lead salts</td>
<td>91031-61-7</td>
</tr>
<tr>
<td>fatty acids, C8-10-branched, lead salts</td>
<td>85049-42-9</td>
</tr>
<tr>
<td>fatty acids, C8-10-branched, lead salts, basic</td>
<td>68409-79-0</td>
</tr>
<tr>
<td>fatty acids, C8-12, lead salts</td>
<td>84776-53-4</td>
</tr>
<tr>
<td>fatty acids, C8-18 and C18-unsaturated, lead salts</td>
<td>84776-36-3</td>
</tr>
<tr>
<td>fatty acids, C8-9, lead salts</td>
<td>91031-60-6</td>
</tr>
<tr>
<td>fatty acids, C9-11-branched, lead salts</td>
<td>81412-57-9</td>
</tr>
<tr>
<td>fatty acids, castor-oil, hydrogenated, lead salts</td>
<td>91697-36-8</td>
</tr>
<tr>
<td>fatty acids, coco, lead salts</td>
<td>92044-89-8</td>
</tr>
<tr>
<td>fatty acids, tall-oil, lead manganese salts</td>
<td>61788-52-2</td>
</tr>
<tr>
<td>fatty acids, tall-oil, lead salts</td>
<td>61788-54-3</td>
</tr>
<tr>
<td>fatty acids, tallow, reaction products with lead oxide</td>
<td>94349-78-7</td>
</tr>
<tr>
<td>flue dust, lead blast furnace</td>
<td>70514-05-5</td>
</tr>
<tr>
<td>formic acid, lead salt</td>
<td>7056-83-9</td>
</tr>
<tr>
<td>gilsonite, polymer with linseed oil, lead salt</td>
<td>68989-89-9</td>
</tr>
<tr>
<td>glycine, N,N'-1,2-ethanediylbis(N-carboxymethyl)-, lead(2+) sodiumsalt (1:1:2)</td>
<td>22904-40-1</td>
</tr>
<tr>
<td>hafnium lead trioxide</td>
<td>12029-23-1</td>
</tr>
<tr>
<td>hexacosanoic acid, lead salt</td>
<td>94006-20-9</td>
</tr>
<tr>
<td>hexadecanoic acid, lead salt, basic</td>
<td>90388-09-3</td>
</tr>
<tr>
<td>hexadecanoic acid, lead(2+) salt, basic</td>
<td>90388-10-6</td>
</tr>
<tr>
<td>hexanoic acid, 2-ethyl-, lead(2+) salt</td>
<td>301-08-6</td>
</tr>
<tr>
<td>hexanoic acid, 3,5,5-trimethyl-, lead salt</td>
<td>23621-79-6</td>
</tr>
<tr>
<td>hydroxy(neodecanoato-O)lead</td>
<td>71753-04-3</td>
</tr>
<tr>
<td>iron lead oxide (Fe12PbO19)</td>
<td>12023-90-4</td>
</tr>
<tr>
<td>isodecanoic acid, lead salt, basic</td>
<td>90431-14-4</td>
</tr>
<tr>
<td>isodecanoic acid, lead(2+) salt, basic</td>
<td>91671-82-8</td>
</tr>
<tr>
<td>isnononoic acid, lead salt</td>
<td>27253-41-4</td>
</tr>
<tr>
<td>isnononoic acid, lead salt, basic</td>
<td>90431-21-3</td>
</tr>
<tr>
<td>isoctanoic acid, lead salt</td>
<td>64504-12-7</td>
</tr>
<tr>
<td>isoctanoic acid, lead salt, basic</td>
<td>90431-26-8</td>
</tr>
<tr>
<td>isoctanoic acid, lead(2+) salt, basic</td>
<td>91671-83-9</td>
</tr>
<tr>
<td>isoundecanoic acid, lead(2+) salt, basic</td>
<td>91671-84-0</td>
</tr>
<tr>
<td>lauric acid, lead salt</td>
<td>15306-30-6</td>
</tr>
<tr>
<td>leach residues, lead slag</td>
<td>69029-71-6</td>
</tr>
<tr>
<td>lead</td>
<td>7439-92-1</td>
</tr>
<tr>
<td>lead (II) acetate, trihydrate</td>
<td>6080-56-4</td>
</tr>
<tr>
<td>lead (II) methylthiolate</td>
<td>35029-96-0</td>
</tr>
<tr>
<td>lead (IV) acetate</td>
<td>546-67-8</td>
</tr>
<tr>
<td>lead 12-hydroxyoctadecanoate</td>
<td>65127-78-8</td>
</tr>
<tr>
<td>lead 198</td>
<td>16646-00-7</td>
</tr>
<tr>
<td>lead 199</td>
<td>27486-00-6</td>
</tr>
<tr>
<td>lead 2,4-dihydroxybenzoate</td>
<td>20936-32-7</td>
</tr>
<tr>
<td>lead 200</td>
<td>16645-99-1</td>
</tr>
<tr>
<td>lead 201</td>
<td>17239-87-1</td>
</tr>
<tr>
<td>lead 202</td>
<td>15752-86-0</td>
</tr>
<tr>
<td>lead 203</td>
<td>14687-25-3</td>
</tr>
<tr>
<td>lead 205</td>
<td>14119-28-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>lead 209</td>
<td>14119-30-3</td>
</tr>
<tr>
<td>lead 210</td>
<td>14255-04-0</td>
</tr>
<tr>
<td>lead 211</td>
<td>15816-77-0</td>
</tr>
<tr>
<td>lead 212</td>
<td>15092-94-1</td>
</tr>
<tr>
<td>lead 214</td>
<td>15067-28-4</td>
</tr>
<tr>
<td>lead 2-ethylhexoate</td>
<td>16996-40-0</td>
</tr>
<tr>
<td>lead 3-(acetamido)phthalate</td>
<td>93839-98-6</td>
</tr>
<tr>
<td>lead 5-nitrotetraphthalate</td>
<td>60580-60-1</td>
</tr>
<tr>
<td>lead acetate</td>
<td>15347-57-6</td>
</tr>
<tr>
<td>lead acetate</td>
<td>301-04-2</td>
</tr>
<tr>
<td>lead acrylate</td>
<td>14466-01-4</td>
</tr>
<tr>
<td>lead alloy, dross</td>
<td>69011-59-2</td>
</tr>
<tr>
<td>lead alloy, Pb,Sn, dross</td>
<td>69011-60-5</td>
</tr>
<tr>
<td>lead antimonate</td>
<td>13510-89-9</td>
</tr>
<tr>
<td>lead antimonide</td>
<td>12266-38-5</td>
</tr>
<tr>
<td>lead arsenate</td>
<td>3687-31-8</td>
</tr>
<tr>
<td>lead arsenate (1:1) / lead arsenate</td>
<td>7784-40-9</td>
</tr>
<tr>
<td>lead arsenate (Pb3(AsO4)2)</td>
<td>10102-48-4</td>
</tr>
<tr>
<td>lead arsenate, unspecified</td>
<td>7645-25-2</td>
</tr>
<tr>
<td>lead arsenic</td>
<td>10031-13-7</td>
</tr>
<tr>
<td>lead azide</td>
<td>13424-46-9</td>
</tr>
<tr>
<td>lead benzoate</td>
<td>15907-04-7</td>
</tr>
<tr>
<td>lead bis(12-hydroxystearate)</td>
<td>58405-97-3</td>
</tr>
<tr>
<td>lead bis(2-ethylhexanolate)</td>
<td>93840-04-1</td>
</tr>
<tr>
<td>lead bis(3,5,5-trimethylhexanoate)</td>
<td>35837-70-8</td>
</tr>
<tr>
<td>lead bis(5-oxo-DL-proline)</td>
<td>85392-78-5</td>
</tr>
<tr>
<td>lead bis(5-oxo-L-proline)</td>
<td>85392-77-4</td>
</tr>
<tr>
<td>lead bis(isononanoate)</td>
<td>52847-85-5</td>
</tr>
<tr>
<td>lead bis(isoundecanoate)</td>
<td>93965-29-8</td>
</tr>
<tr>
<td>lead bis(nonylphenol,ate)</td>
<td>72586-00-6</td>
</tr>
<tr>
<td>lead bis(piperidine-1-carboxihthioate)</td>
<td>41556-46-1</td>
</tr>
<tr>
<td>lead bis(p-octylphenol,ate)</td>
<td>84394-98-9</td>
</tr>
<tr>
<td>lead bis(tetracosylbenzenesulphonate)</td>
<td>85865-91-4</td>
</tr>
<tr>
<td>lead bis(tricosanoate)</td>
<td>93966-37-1</td>
</tr>
<tr>
<td>lead bis[didodecylbenzenesulphonate]</td>
<td>85865-92-5</td>
</tr>
<tr>
<td>lead borate</td>
<td>14720-53-7</td>
</tr>
<tr>
<td>lead b-resorcylate</td>
<td>41453-50-3</td>
</tr>
<tr>
<td>lead bromide (PbBr2)</td>
<td>10031-22-8</td>
</tr>
<tr>
<td>lead carbonate</td>
<td>598-63-0</td>
</tr>
<tr>
<td>lead carbonate hydroxide</td>
<td>1319-46-6</td>
</tr>
<tr>
<td>lead chloride</td>
<td>7758-95-4</td>
</tr>
<tr>
<td>lead chloride (V.A.N.)</td>
<td>12612-47-4</td>
</tr>
<tr>
<td>lead chloride oxide</td>
<td>12205-72-0</td>
</tr>
<tr>
<td>lead chromate</td>
<td>7758-97-6</td>
</tr>
<tr>
<td>lead chromate oxide</td>
<td>18454-12-1</td>
</tr>
<tr>
<td>lead chromate silicate</td>
<td>11113-70-5</td>
</tr>
<tr>
<td>lead chromate silicate (Pb3(CrO4)(SiO4))</td>
<td>69011-07-0</td>
</tr>
<tr>
<td>lead chromate sulfate (Pb9(CrO4)5(SO4)4)</td>
<td>51899-02-6</td>
</tr>
<tr>
<td>lead cyanamidate</td>
<td>20890-10-2</td>
</tr>
<tr>
<td></td>
<td>20837-86-9</td>
</tr>
<tr>
<td></td>
<td>35112-70-0</td>
</tr>
<tr>
<td>lead cyanide</td>
<td>592-05-2</td>
</tr>
<tr>
<td>lead dibenzoate</td>
<td>873-54-1</td>
</tr>
<tr>
<td>lead dibromate</td>
<td>34018-28-5</td>
</tr>
<tr>
<td>lead dibutanolate</td>
<td>65119-94-0</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>lead dibutyrate</td>
<td>819-73-8</td>
</tr>
<tr>
<td>lead didocosanoate</td>
<td>29597-84-0</td>
</tr>
<tr>
<td>lead dihexanoate</td>
<td>15773-53-2</td>
</tr>
<tr>
<td>lead dilactate</td>
<td>18917-82-3</td>
</tr>
<tr>
<td>lead dilinoleate</td>
<td>33627-12-2</td>
</tr>
<tr>
<td>lead dimethylidithiocarbamate</td>
<td>19010-66-3</td>
</tr>
<tr>
<td>lead dimyristate</td>
<td>32112-52-0</td>
</tr>
<tr>
<td>lead dipalmitate</td>
<td>15773-56-5</td>
</tr>
<tr>
<td>lead diphenylphosphate</td>
<td>10294-58-3</td>
</tr>
<tr>
<td>lead diprimeverate</td>
<td>6477-64-1</td>
</tr>
<tr>
<td>lead dipropionate</td>
<td>814-70-0</td>
</tr>
<tr>
<td>lead disulphamidate</td>
<td>13767-78-7</td>
</tr>
<tr>
<td>lead disulphide</td>
<td>12137-74-5</td>
</tr>
<tr>
<td>lead diundec-10-enoate</td>
<td>94232-40-3</td>
</tr>
<tr>
<td>lead fluoborate</td>
<td>13814-96-5</td>
</tr>
<tr>
<td>lead fluoride</td>
<td>7783-46-2</td>
</tr>
<tr>
<td>lead fluoride hydroxide</td>
<td>97889-90-2</td>
</tr>
<tr>
<td>lead hexafluorosilicate / lead fluorosilicate</td>
<td>25808-74-6</td>
</tr>
<tr>
<td>lead formate</td>
<td>811-54-1</td>
</tr>
<tr>
<td>lead germanate</td>
<td>12435-47-1</td>
</tr>
<tr>
<td>lead hexafluorosilicate</td>
<td>1310-03-8</td>
</tr>
<tr>
<td>lead hydroxide</td>
<td>19783-14-3</td>
</tr>
<tr>
<td>lead hydroxide</td>
<td>39345-91-0</td>
</tr>
<tr>
<td>lead hydroxide nitrate</td>
<td>12268-84-7</td>
</tr>
<tr>
<td>lead hydroxysalicylate</td>
<td>87903-39-7</td>
</tr>
<tr>
<td>lead icosanoate</td>
<td>94266-32-7</td>
</tr>
<tr>
<td>lead icosanoate (1:2)</td>
<td>94266-31-6</td>
</tr>
<tr>
<td>lead iodate</td>
<td>25659-31-8</td>
</tr>
<tr>
<td>lead iodide</td>
<td>10101-63-0</td>
</tr>
<tr>
<td>lead isophthalate</td>
<td>38787-87-0</td>
</tr>
<tr>
<td>lead linoleate</td>
<td>16996-51-3</td>
</tr>
<tr>
<td>lead malate</td>
<td>816-68-2</td>
</tr>
<tr>
<td>lead maleate</td>
<td>19136-34-6</td>
</tr>
<tr>
<td>lead methacrylate</td>
<td>1068-61-7</td>
</tr>
<tr>
<td>lead methacrylate</td>
<td>52609-46-8</td>
</tr>
<tr>
<td>lead molybdate</td>
<td>10190-55-3</td>
</tr>
<tr>
<td>lead oxide / lead monoxide</td>
<td>1317-36-8</td>
</tr>
<tr>
<td>lead myristate</td>
<td>20403-41-2</td>
</tr>
<tr>
<td>lead naphthalate</td>
<td>50825-29-1</td>
</tr>
<tr>
<td>lead naphthenate</td>
<td>61790-14-5</td>
</tr>
<tr>
<td>lead neobate</td>
<td>12034-88-7</td>
</tr>
<tr>
<td>lead neodecanoate</td>
<td>27253-28-7</td>
</tr>
<tr>
<td>lead nitrate</td>
<td>10099-74-8</td>
</tr>
<tr>
<td>lead nitroresorcinate</td>
<td>51317-24-9</td>
</tr>
<tr>
<td>lead oleate</td>
<td>1120-46-3</td>
</tr>
<tr>
<td>lead oxalate</td>
<td>814-93-7</td>
</tr>
<tr>
<td>lead oxide</td>
<td>1335-25-7</td>
</tr>
<tr>
<td>didecadate (Pb2O)</td>
<td>12059-89-1</td>
</tr>
<tr>
<td>lead oxide (PbO), lead-contg.</td>
<td>68411-78-9</td>
</tr>
<tr>
<td>lead oxide (PbO), retort</td>
<td>69029-53-4</td>
</tr>
<tr>
<td>lead oxide phosphonate (Pb3O2(HPO3))</td>
<td>12141-20-7</td>
</tr>
<tr>
<td>lead oxide phosphonate, hemihydrate</td>
<td>1344-40-7</td>
</tr>
<tr>
<td>lead oxide sulfate</td>
<td>12765-51-4</td>
</tr>
<tr>
<td>lead oxide sulfate (Pb2O(SO4))</td>
<td>12036-76-9</td>
</tr>
<tr>
<td>lead oxide sulfate (Pb4O3(SO4))</td>
<td>12202-17-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>lead oxide sulfate (Pb5O4(SO4))</td>
<td>12065-90-6</td>
</tr>
<tr>
<td>lead palmitate</td>
<td>19528-55-3</td>
</tr>
<tr>
<td>lead pentadecanoate</td>
<td>93966-74-6</td>
</tr>
<tr>
<td>lead perchlorate</td>
<td>13637-76-8</td>
</tr>
<tr>
<td>lead dioxide / lead peroxide</td>
<td>1309-60-0</td>
</tr>
<tr>
<td>lead phosphate</td>
<td>7446-27-7</td>
</tr>
<tr>
<td>lead phthalate</td>
<td>16183-12-3</td>
</tr>
<tr>
<td>lead phthalate</td>
<td>6838-85-3</td>
</tr>
<tr>
<td>lead picrate</td>
<td>25721-38-4</td>
</tr>
<tr>
<td>lead propionate</td>
<td>42558-73-6</td>
</tr>
<tr>
<td>lead pyrophosphate</td>
<td>13453-66-2</td>
</tr>
<tr>
<td>lead ruthenium oxide (PbRuO3)</td>
<td>37194-88-0</td>
</tr>
<tr>
<td>lead sebacate</td>
<td>29473-77-6</td>
</tr>
<tr>
<td>lead selenate</td>
<td>7446-15-3</td>
</tr>
<tr>
<td>lead selenide</td>
<td>12069-00-0</td>
</tr>
<tr>
<td>lead selenite</td>
<td>7488-51-9</td>
</tr>
<tr>
<td>lead silicate</td>
<td>11120-22-2</td>
</tr>
<tr>
<td>lead silicate</td>
<td>13566-17-1</td>
</tr>
<tr>
<td>lead silicate</td>
<td>22569-74-0</td>
</tr>
<tr>
<td>lead silicate sulfate</td>
<td>12687-78-4</td>
</tr>
<tr>
<td>lead silicate sulfate</td>
<td>67711-86-8</td>
</tr>
<tr>
<td>lead stearate</td>
<td>7428-48-0</td>
</tr>
<tr>
<td>lead stearate dibasic</td>
<td>52652-59-2</td>
</tr>
<tr>
<td>lead styrphnate</td>
<td>63918-97-8</td>
</tr>
<tr>
<td>lead subacetate</td>
<td>1335-32-6</td>
</tr>
<tr>
<td>lead succinate</td>
<td>1191-18-0</td>
</tr>
<tr>
<td>lead sulfate</td>
<td>15739-80-7</td>
</tr>
<tr>
<td>lead sulfate</td>
<td>7446-14-2</td>
</tr>
<tr>
<td>lead sulfate, tribasic</td>
<td>12397-06-7</td>
</tr>
<tr>
<td>lead sulfide / lead sulfide (PbS)</td>
<td>1314-87-0</td>
</tr>
<tr>
<td>lead sulfomolybdochromate, silica encapsulated</td>
<td>116565-73-2</td>
</tr>
<tr>
<td>lead tantalate</td>
<td>12065-68-8</td>
</tr>
<tr>
<td>lead telluride</td>
<td>1314-91-6</td>
</tr>
<tr>
<td>lead tellurite</td>
<td>13845-35-7</td>
</tr>
<tr>
<td>lead tetrachloride</td>
<td>13463-30-4</td>
</tr>
<tr>
<td>lead tetracosanoate</td>
<td>93966-38-2</td>
</tr>
<tr>
<td>lead(II,IV) oxide / lead tetraoxide</td>
<td>1314-41-6</td>
</tr>
<tr>
<td>lead thiocyanate</td>
<td>592-87-0</td>
</tr>
<tr>
<td>lead thiosulfate</td>
<td>13478-50-7</td>
</tr>
<tr>
<td>lead tin oxide (PbSnO3)</td>
<td>12036-31-6</td>
</tr>
<tr>
<td>lead titanate / lead titanium oxide (PbTiO3)</td>
<td>12060-00-3</td>
</tr>
<tr>
<td>lead titanium zirconium oxide / lead titanium zirconium oxide (Pb(Ti,Zr)O3)</td>
<td>12626-81-2</td>
</tr>
<tr>
<td>lead trioxide</td>
<td>1314-27-8</td>
</tr>
<tr>
<td>lead tungsten oxide</td>
<td>7759-01-5</td>
</tr>
<tr>
<td>lead tungsten oxide</td>
<td>12737-98-3</td>
</tr>
<tr>
<td>lead uranate pigment</td>
<td>85536-79-4</td>
</tr>
<tr>
<td>lead vanadate</td>
<td>10099-79-3</td>
</tr>
<tr>
<td>lead zirconate</td>
<td>12060-01-4</td>
</tr>
<tr>
<td>lead(2+) (R)-12-hydroxystearate</td>
<td>13094-04-7</td>
</tr>
<tr>
<td>lead(2+) (Z)-hexadec-9-enoate</td>
<td>93858-24-3</td>
</tr>
<tr>
<td>lead(2+) 2,4-dinitroresorcinolate</td>
<td>13406-89-8</td>
</tr>
<tr>
<td>lead(2+) 4-(1,1-dimethylethyl)benzoate</td>
<td>85292-77-9</td>
</tr>
<tr>
<td>lead(2+) 4,4'-isopropylidenebisphenol,ate</td>
<td>93858-23-2</td>
</tr>
<tr>
<td>lead(2+) 4,6-dinitro-o-cresolinate</td>
<td>65121-76-8</td>
</tr>
<tr>
<td>lead(2+) acrylate</td>
<td>867-47-0</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>lead(2+) decanoate</td>
<td>15773-52-1</td>
</tr>
<tr>
<td>lead(2+) heptadecanoate</td>
<td>63399-94-0</td>
</tr>
<tr>
<td>lead(2+) isohexadecanoate</td>
<td>95892-13-0</td>
</tr>
<tr>
<td>lead(2+) isoocotadecanoate</td>
<td>70727-02-5</td>
</tr>
<tr>
<td>lead(2+) neodecanoate</td>
<td>71684-29-2</td>
</tr>
<tr>
<td>lead(2+) neoundecanoate</td>
<td>93894-49-6</td>
</tr>
<tr>
<td>lead(2+) octanoate</td>
<td>7319-86-0</td>
</tr>
<tr>
<td>lead(4+) stearate</td>
<td>7717-46-6</td>
</tr>
<tr>
<td>lead(II) fumarate</td>
<td>71686-03-8</td>
</tr>
<tr>
<td>lead(II) isodecanoate</td>
<td>84852-34-6</td>
</tr>
<tr>
<td>lead(II) isooctanoate</td>
<td>93981-67-0</td>
</tr>
<tr>
<td>lead(II) maleate</td>
<td>17406-54-1</td>
</tr>
<tr>
<td>lead(IV) fluoride</td>
<td>7783-59-7</td>
</tr>
<tr>
<td>lead, (2-methyl-4,6-dinitrophenol,ato-O1)(nitrato-O)-.mu.-oxodi-.mu.-oxodi-, monohydrate</td>
<td>79357-62-3</td>
</tr>
<tr>
<td>lead, [mu-.[1,2-benzenedicarboxylato(2-)-O1:O2]]di-.mu.-oxotri-.cyclo-</td>
<td>17976-43-1</td>
</tr>
<tr>
<td>lead, [1,2-benzenedicarboxylato(2-)]dioxotri-</td>
<td>69011-06-9</td>
</tr>
<tr>
<td>lead, [1,2-benzenedicarboxylato(2-)]oxodi-</td>
<td>57142-78-6</td>
</tr>
<tr>
<td>lead, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-</td>
<td>15187-16-3</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate isodecanoate complexes, basic</td>
<td>90431-30-4</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate isononanoate complexes, basic</td>
<td>90431-31-5</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate isoctanoate complexes, basic</td>
<td>90431-32-6</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate naphthenate complexes</td>
<td>90431-33-7</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate naphthenate complexes, basic</td>
<td>90431-34-8</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate neodecanoate complexes, basic</td>
<td>90431-35-9</td>
</tr>
<tr>
<td>lead, 2-ethylhexanoate tall-oil fatty acids complexes</td>
<td>68187-37-1</td>
</tr>
<tr>
<td>lead, alkyls, manufacturing wastes</td>
<td>70513-89-2</td>
</tr>
<tr>
<td>lead, antimonial</td>
<td>69029-50-1</td>
</tr>
<tr>
<td>lead, antimonial, dross</td>
<td>69029-51-2</td>
</tr>
<tr>
<td>lead, bis(2-hydroxybenzoato-O1,O2)-, (T-4)-</td>
<td>15748-73-9</td>
</tr>
<tr>
<td>lead, bis(dipentylcarbamodithioato-S,S')- (T-4)-</td>
<td>36501-84-5</td>
</tr>
<tr>
<td>lead, bis(diphenylcarbamodithioato-S,S')- (T-4)-</td>
<td>75790-73-7</td>
</tr>
<tr>
<td>lead, bis(ocotadecanoato)dioxotri-</td>
<td>12565-18-3</td>
</tr>
<tr>
<td>lead, bis(ocotadecanoato)dioxotri-</td>
<td>12578-12-0</td>
</tr>
<tr>
<td>lead, bullion</td>
<td>97808-88-3</td>
</tr>
<tr>
<td>lead, C3-13-fatty acid naphthenate complexes</td>
<td>79803-79-5</td>
</tr>
<tr>
<td>lead, C4-10-fatty acid naphthenate complexes</td>
<td>84067-00-5</td>
</tr>
<tr>
<td>lead, C4-10-fatty acid octanoate complexes</td>
<td>92200-92-5</td>
</tr>
<tr>
<td>lead, C5-23-branched carboxylate C4-10-fatty acid complexes</td>
<td>84066-98-8</td>
</tr>
<tr>
<td>lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes</td>
<td>83711-45-9</td>
</tr>
<tr>
<td>lead, C5-23-branched carboxylate naphthenate complexes</td>
<td>83711-46-0</td>
</tr>
<tr>
<td>lead, C5-23-branched carboxylate naphthenate octanoate complexes</td>
<td>83711-47-1</td>
</tr>
<tr>
<td>lead, C5-23-branched carboxylate octanoate complexes</td>
<td>83711-49-9</td>
</tr>
<tr>
<td>lead, C6-19-branched carboxylate naphthenate complexes</td>
<td>70084-67-2</td>
</tr>
<tr>
<td>lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes</td>
<td>90431-28-0</td>
</tr>
<tr>
<td>lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased</td>
<td>90431-29-1</td>
</tr>
<tr>
<td>lead, C9- 28-neocarboxylate 2-ethylhexanoate complexes, basic</td>
<td>125494-56-6</td>
</tr>
<tr>
<td>lead, decanoate octanoate complexes</td>
<td>70321-55-0</td>
</tr>
<tr>
<td>lead, di-.mu.-hydroxy<a href="nitrato-O">2-methyl-4,6-dinitrophenol,ato-O1</a>di-</td>
<td>96471-22-6</td>
</tr>
<tr>
<td>lead, dihydroxy[2,4,6-trinitro-1,3-benzenediolato(2-)]di-</td>
<td>12403-82-6</td>
</tr>
<tr>
<td>lead, dross</td>
<td>69029-52-3</td>
</tr>
<tr>
<td>lead, dross, antimony-rich</td>
<td>69029-45-4</td>
</tr>
<tr>
<td>lead, dross, bismuth-rich</td>
<td>69029-46-5</td>
</tr>
<tr>
<td>lead, dross, copper-rich</td>
<td>69227-11-8</td>
</tr>
<tr>
<td>lead, dross, vanadium-zinc-containing</td>
<td>100656-49-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>lead, isodecanoate isononanoate complexes, basic</td>
<td>90431-36-0</td>
</tr>
<tr>
<td>lead, isodecanoate isoctanoate complexes, basic</td>
<td>90431-37-1</td>
</tr>
<tr>
<td>lead, isodecanoate naphthenate complexes</td>
<td>90431-38-2</td>
</tr>
<tr>
<td>lead, isodecanoate neodecanoate complexes, basic</td>
<td>101012-92-4</td>
</tr>
<tr>
<td>lead, isononanoate isoctanoate complexes, basic</td>
<td>90431-39-3</td>
</tr>
<tr>
<td>lead, isononanoate naphthenate complexes</td>
<td>84929-94-2</td>
</tr>
<tr>
<td>lead, isononanoate naphthenate complexes</td>
<td>84929-97-5</td>
</tr>
<tr>
<td>lead, isononanoate neodecanoate complexes, basic</td>
<td>90431-40-6</td>
</tr>
<tr>
<td>lead, isononanoate neodecanoate complexes, basic</td>
<td>90431-41-7</td>
</tr>
<tr>
<td>lead, isoctanoate naphthenate complexes</td>
<td>68515-80-0</td>
</tr>
<tr>
<td>lead, isoctanoate naphthenate complexes, basic</td>
<td>90431-42-8</td>
</tr>
<tr>
<td>lead, isoctanoate neodecanoate complexes</td>
<td>101013-06-3</td>
</tr>
<tr>
<td>lead, isoctanoate neodecanoate complexes, basic</td>
<td>84929-95-3</td>
</tr>
<tr>
<td>lead, naphthenate neodecanoate complexes</td>
<td>90431-43-9</td>
</tr>
<tr>
<td>lead, naphthenate neodecanoate complexes, basic</td>
<td>84929-96-4</td>
</tr>
<tr>
<td>lead, neodecanoate neoundecanoate complexes, basic</td>
<td>90431-44-0</td>
</tr>
<tr>
<td>lead, zinc dross</td>
<td>94551-60-7</td>
</tr>
<tr>
<td>linseed oil, polymer with tung oil, lead salt</td>
<td>68990-75-0</td>
</tr>
<tr>
<td>linseed oil, reaction products with lead oxide (Pb3O4) and mastic</td>
<td>68152-99-8</td>
</tr>
<tr>
<td>methanesulfonic acid, lead(2+) salt</td>
<td>17570-76-2</td>
</tr>
<tr>
<td>lead chromate molybdate sulphate red / molybdate orange (lead chromate pigment)</td>
<td>12656-85-8</td>
</tr>
<tr>
<td>naphthalenesulfonic acid, diisononyl-, lead(2+) salt</td>
<td>63568-30-9</td>
</tr>
<tr>
<td>naphthalenesulfonic acid, dinonyl-, lead(2+) salt</td>
<td>61867-68-3</td>
</tr>
<tr>
<td>naphthenic acids, lead (2+) salts</td>
<td>91078-81-8</td>
</tr>
<tr>
<td>naphthenic acids, lead manganese salts</td>
<td>61788-52-1</td>
</tr>
<tr>
<td>naphthenic acids, lead salts, basic</td>
<td>92045-67-5</td>
</tr>
<tr>
<td>neodecanoic acid, lead salt, basic</td>
<td>90459-25-9</td>
</tr>
<tr>
<td>neodecanoic acid, lead salt, basic</td>
<td>90459-26-0</td>
</tr>
<tr>
<td>neoundecanoic acid, lead salt, basic</td>
<td>90459-28-2</td>
</tr>
<tr>
<td>nitric acid, lead(2+) salt, reaction products with sodium tin oxide</td>
<td>97953-08-7</td>
</tr>
<tr>
<td>nitrous acid, lead(2+) salt</td>
<td>13826-65-8</td>
</tr>
<tr>
<td>octadecanoic acid, lead salt, basic</td>
<td>90459-51-1</td>
</tr>
<tr>
<td>octadecanoic acid, lead(2+) salt, basic</td>
<td>90459-52-2</td>
</tr>
<tr>
<td>octadecanoic acid, lead(2+) salt, tribasic</td>
<td>52080-60-1</td>
</tr>
<tr>
<td>octanoic acid, lead salt</td>
<td>15696-43-2</td>
</tr>
<tr>
<td>orthoboric acid, lead(2+) salt</td>
<td>35498-15-8</td>
</tr>
<tr>
<td>perchloric acid, reaction products with lead oxide (PbO) and triethanolamine</td>
<td>99749-31-2</td>
</tr>
<tr>
<td>petrolatum, petroleum, oxidized, lead salt</td>
<td>67674-14-0</td>
</tr>
<tr>
<td>phenol, 2-methyldinitro-, lead salt</td>
<td>50319-14-7</td>
</tr>
<tr>
<td>phenol, dodecyl-, lead(2+) salt</td>
<td>68586-21-0</td>
</tr>
<tr>
<td>phenol, tetrapropylene-, lead(2+) salt</td>
<td>122332-23-4</td>
</tr>
<tr>
<td>phosphonic acid, lead salt</td>
<td>16038-76-9</td>
</tr>
<tr>
<td>phosphonic acid, lead salt, basic</td>
<td>53807-64-0</td>
</tr>
<tr>
<td>phosphonic acid, lead(2+) salt</td>
<td>24824-71-3</td>
</tr>
<tr>
<td>phosphonic acid, lead(2+) salt (1:1)</td>
<td>13453-65-1</td>
</tr>
<tr>
<td>phosphonic acid, lead(2+) salt (2:1)</td>
<td>15521-60-5</td>
</tr>
<tr>
<td>phosphoric acid, lead(2+) salt (1:1)</td>
<td>15845-52-0</td>
</tr>
<tr>
<td>phosphoric acid, mixed butyl and hexyl diesters, lead(2+) salts</td>
<td>93925-27-0</td>
</tr>
<tr>
<td>phosphorodithioate O,O-bis(1,3-dimethylbutyl), lead salt</td>
<td>20383-42-0</td>
</tr>
<tr>
<td>phosphorodithioic acid, mixed O,O-bis(bu and pentyl) esters, lead(2+) salt</td>
<td>91783-10-7</td>
</tr>
<tr>
<td>plumbane, chlorotriethyl-</td>
<td>106714-7</td>
</tr>
<tr>
<td>plumbane, diethyldimethyl-</td>
<td>1762-27-2</td>
</tr>
<tr>
<td>plumbane, ethyl methyl derivatives</td>
<td>68610-17-3</td>
</tr>
<tr>
<td>plumbane, ethyltrimethyl-</td>
<td>1762-26-1</td>
</tr>
<tr>
<td>plumbane, tetraethyl-</td>
<td>1920-90-7</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>plumbane, tetrakis(1-methylethyl)-</td>
<td>14846-40-3</td>
</tr>
<tr>
<td>plumbane, tetrakis(1-methylpropyl)-</td>
<td>65151-08-8</td>
</tr>
<tr>
<td>plumbane, triethylmethyl-</td>
<td>1762-28-3</td>
</tr>
<tr>
<td>plumbate (PbO22-), disodium</td>
<td>12034-30-9</td>
</tr>
<tr>
<td>plumbate (PbO44-), calcium (1:2), (T-4)-</td>
<td>12013-69-3</td>
</tr>
<tr>
<td>potassium pentadecaoxodiplumbatepentaniobate(1-)</td>
<td>12372-45-1</td>
</tr>
<tr>
<td>residues, copper-iron-lead-nickel matte, sulfuric acid-insol.</td>
<td>102110-49-6</td>
</tr>
<tr>
<td>salicylate, lead (II)</td>
<td>6107-93-3</td>
</tr>
<tr>
<td>silicic acid (H2SiO3), calcium salt (1:1), lead and manganese-doped</td>
<td>100402-96-8</td>
</tr>
<tr>
<td>lead silicate / silicic acid (H2SiO3), lead(2+) salt (1:1)</td>
<td>10099-76-0</td>
</tr>
<tr>
<td>silicic acid (H4SiO4), lead salt</td>
<td>15906-71-5</td>
</tr>
<tr>
<td>silicic acid, calcium salt, lead and manganese-doped</td>
<td>102110-36-1</td>
</tr>
<tr>
<td>silicic acid, lead nickel salt</td>
<td>68130-19-8</td>
</tr>
<tr>
<td>slimes and sludges, lead sinter dust scrubber</td>
<td>70514-37-3</td>
</tr>
<tr>
<td>speiss., lead-zinc</td>
<td>93821-72-8</td>
</tr>
<tr>
<td>spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, lead salt</td>
<td>1326-05-2</td>
</tr>
<tr>
<td>lead stearate / stearic acid, lead (2+) salt</td>
<td>1072-35-1</td>
</tr>
<tr>
<td>sulfuric acid, barium lead salt</td>
<td>42579-89-5</td>
</tr>
<tr>
<td>sulfuric acid, barium salt (1:1), lead-doped</td>
<td>99328-54-8</td>
</tr>
<tr>
<td>sulfuric acid, lead salt, tetrabasic</td>
<td>52732-72-6</td>
</tr>
<tr>
<td>sulfuric acid, lead(2+) salt, basic</td>
<td>90583-07-6</td>
</tr>
<tr>
<td>sulfurous acid, lead salt, basic</td>
<td>52231-92-2</td>
</tr>
<tr>
<td>sulfurous acid, lead salt, dibasic</td>
<td>62229-08-7</td>
</tr>
<tr>
<td>sulfurous acid, lead(2+) salt, basic</td>
<td>90583-37-2</td>
</tr>
<tr>
<td>sulfurous acid, lead(2++) salt (1:1)</td>
<td>7446-10-8</td>
</tr>
<tr>
<td>telluric acid (H2TeO3), lead(2+) salt (1:1)</td>
<td>15851-47-5</td>
</tr>
<tr>
<td>tetradecanoic acid, lead salt, basic</td>
<td>90583-65-6</td>
</tr>
<tr>
<td>lead, tetraethyl- / tetraethyllead</td>
<td>78-00-2</td>
</tr>
<tr>
<td>lead, tetramethyl- / tetramethyl lead</td>
<td>75-74-1</td>
</tr>
<tr>
<td>tetraphenyllead</td>
<td>595-89-1</td>
</tr>
<tr>
<td>tetrapropyl lead</td>
<td>3440-75-3</td>
</tr>
<tr>
<td>thiosulphuric acid, lead salt</td>
<td>26265-65-6</td>
</tr>
<tr>
<td>lead/Tin alloy</td>
<td>39412-44-7</td>
</tr>
<tr>
<td>trinitrophenolglucinol, lead salt</td>
<td>51325-28-1</td>
</tr>
<tr>
<td>naphthenic acid, cobalt lead manganese salt</td>
<td>61789-50-2</td>
</tr>
<tr>
<td>lead sub-carbonate / lead, bis(carbonato(2-))dihydroxytri</td>
<td>1344-36-1</td>
</tr>
<tr>
<td>lead borate / boric acid (HBO2), lead(2+) salt, monohydrate (8CI, 9CI)</td>
<td>10214-39-8</td>
</tr>
<tr>
<td>fatty acids, C6-19-branched, lead salts, basic</td>
<td>68603-83-8</td>
</tr>
<tr>
<td>pigment Lightfast lead-molybdate orange OS (9CI)</td>
<td>78690-68-3</td>
</tr>
<tr>
<td>pyrochlore, antimony lead yellow</td>
<td>8012-00-8</td>
</tr>
<tr>
<td>silicic acid, barium salt, lead-doped</td>
<td>68784-75-8</td>
</tr>
<tr>
<td>lead compounds</td>
<td>AL12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>hexavalent chromium compounds</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ammonium dichromate</td>
<td>7789-09-5</td>
</tr>
<tr>
<td>ammonium chromate</td>
<td>7788-98-9</td>
</tr>
<tr>
<td>barium chromate</td>
<td>10294-40-3</td>
</tr>
<tr>
<td>C.I. pigment orange 21</td>
<td>1344-38-3</td>
</tr>
<tr>
<td>calcium chromate</td>
<td>13765-19-0</td>
</tr>
<tr>
<td>chromic acid, calcium salt, (calcium dichromate)</td>
<td>14307-33-6</td>
</tr>
<tr>
<td>cesium chromate</td>
<td>13454-78-9</td>
</tr>
<tr>
<td>chromate(1-), chlorotrioxo-, potassium, (T-4)-</td>
<td>16037-50-6</td>
</tr>
<tr>
<td>chromic acid</td>
<td>7738-94-5</td>
</tr>
<tr>
<td>chromic sulfuric acid / chromic acid (H2Cr2O7)</td>
<td>13530-68-2</td>
</tr>
<tr>
<td>chromic acid (H2Cr2O7), nickel(2+) salt (1:1)</td>
<td>15586-38-6</td>
</tr>
<tr>
<td>chromic acid (H2CrO4), lanthanum(3+) salt (3:2)</td>
<td>16565-94-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>chromic acid (H2CrO4), magnesium salt (1:1)</td>
<td>13423-61-5</td>
</tr>
<tr>
<td>chromic acid, ammonium salt</td>
<td>14445-91-1</td>
</tr>
<tr>
<td>chromic acid, barium potassium salt</td>
<td>27133-66-0</td>
</tr>
<tr>
<td>chromic acid, potassium zinc salt</td>
<td>41189-36-0</td>
</tr>
<tr>
<td>chromium (VI)</td>
<td>18540-29-9</td>
</tr>
<tr>
<td>chromium (VI) chloride</td>
<td>14986-48-2</td>
</tr>
<tr>
<td>chromium arsenide (Cr2As)</td>
<td>12254-85-2</td>
</tr>
<tr>
<td>chromium cobalt copper iron manganese oxide</td>
<td>102262-21-5</td>
</tr>
<tr>
<td>chromium cobalt iron manganese oxide</td>
<td>102262-22-6</td>
</tr>
<tr>
<td>chromium cobalt manganese oxide</td>
<td>102262-19-1</td>
</tr>
<tr>
<td>chromium cobalt oxide</td>
<td>37382-24-4</td>
</tr>
<tr>
<td>chromium cobalt oxide (Cr2CoO4)</td>
<td>12016-69-2</td>
</tr>
<tr>
<td>chromium hydroxide oxide silicate</td>
<td>68475-49-0</td>
</tr>
<tr>
<td>chromium nickel oxide (Cr2NiO4)</td>
<td>12018-18-7</td>
</tr>
<tr>
<td>chromium trioxide (CrO3)</td>
<td>1333-82-0</td>
</tr>
<tr>
<td>chromyl chloride</td>
<td>14977-61-8</td>
</tr>
<tr>
<td>cobalt chromate</td>
<td>13455-25-9</td>
</tr>
<tr>
<td>cobalt chromium alloy</td>
<td>11114-92-4</td>
</tr>
<tr>
<td>copper chromate</td>
<td>13548-42-0</td>
</tr>
<tr>
<td>copper dichromate</td>
<td>13675-47-3</td>
</tr>
<tr>
<td>dithallium dichromate</td>
<td>13453-35-5</td>
</tr>
<tr>
<td>lead chromate</td>
<td>7758-97-6</td>
</tr>
<tr>
<td>lead chromate oxide</td>
<td>18454-12-1</td>
</tr>
<tr>
<td>lead sulfochromate yellow</td>
<td>1344-37-2</td>
</tr>
<tr>
<td>lithium chromate</td>
<td>14307-35-8</td>
</tr>
<tr>
<td>magnesium dichromate</td>
<td>14104-85-9</td>
</tr>
<tr>
<td>lead chromate molybdate sulphate red / molybdate orange (lead chromate pigment)</td>
<td>12656-85-8</td>
</tr>
<tr>
<td>nickel chromate</td>
<td>14721-18-7</td>
</tr>
<tr>
<td>nitric acid, barium salt, reaction products with ammonia, chromic acid (H2CrO4) diammonium salt and copper(2+) dinitrate, calcined</td>
<td>99328-50-4</td>
</tr>
<tr>
<td>nitric acid, copper(2+) salt, reaction products with ammonia, chromic acid (H2CrO4) diammonium salt and manganese(2+) dinitrate, kilned</td>
<td>100402-65-1</td>
</tr>
<tr>
<td>potassium chromate</td>
<td>7789-00-6</td>
</tr>
<tr>
<td>potassium dichromate</td>
<td>7778-50-9</td>
</tr>
<tr>
<td>silver chromate</td>
<td>7784-01-2</td>
</tr>
<tr>
<td>sodium dichromate</td>
<td>7789-12-0</td>
</tr>
<tr>
<td>dichromium tris(chromate)</td>
<td>24613-89-6</td>
</tr>
<tr>
<td>sodium chlorate</td>
<td>7775-11-3</td>
</tr>
<tr>
<td>sodium dichromate</td>
<td>10588-01-9</td>
</tr>
<tr>
<td>strontium chromate</td>
<td>7789-06-2</td>
</tr>
<tr>
<td>thallium (I) chromate</td>
<td>13473-75-1</td>
</tr>
<tr>
<td>zinc chromate</td>
<td>1328-67-2</td>
</tr>
<tr>
<td>zinc chromate hydroxide</td>
<td>13530-65-9</td>
</tr>
<tr>
<td>zinc dichromate</td>
<td>15930-94-6</td>
</tr>
<tr>
<td>zinc potassium chromate</td>
<td>14018-95-2</td>
</tr>
<tr>
<td>zinc yellow (zinc chromate pigment)</td>
<td>11103-86-9</td>
</tr>
<tr>
<td>dihydroxy-dioxo-chromium</td>
<td>37300-23-5</td>
</tr>
<tr>
<td>potassium; dioxido-dioxo-chromium</td>
<td>11115-74-5</td>
</tr>
<tr>
<td>pentazinc chromate octahydroxide</td>
<td>12433-50-0</td>
</tr>
<tr>
<td>acids generated from chromium trioxide and their oligomers:</td>
<td>AL13</td>
</tr>
<tr>
<td>oligomers of chromic acid and dichromic acid</td>
<td>AL13</td>
</tr>
<tr>
<td>hexavalent cromium compounds</td>
<td>AL13</td>
</tr>
<tr>
<td>tributyltin carboxylate(C=9-15)</td>
<td>HSC380309</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>bis(tri-n-butyltin) dibromosuccinate</td>
<td>31732-71-5</td>
</tr>
<tr>
<td>copolymer of alkyl(c=8) acrylate, methyl methacrylate and tributyltin methacrylate</td>
<td>67772-01-4</td>
</tr>
<tr>
<td>(2-biphenyloxy)tributyltin</td>
<td>3644-37-9</td>
</tr>
<tr>
<td>triphenyltin chloroacetate / (chloroacetoxy)triphenylstannane</td>
<td>7094-94-2</td>
</tr>
<tr>
<td>tributyltin abietate / [1R-(1.alpha.,4a.beta.,4b.alpha.,10a.alpha.)]-tributyl[[1,2,3,4,4a,4b,5,6,10a-decahydro-7-isopropyl-1,4a-dimethyl-1-phenanthryl]carbonyl]oxy]stannane</td>
<td>26239-64-5</td>
</tr>
<tr>
<td>1,3,5-tris(tributyltin)-S-triazine-2,4,6-trione</td>
<td>752-58-9</td>
</tr>
<tr>
<td>2-butenoic acide, 4-oxo-4-[(tributylsyannyl)oxy]-</td>
<td>4027-18-3</td>
</tr>
<tr>
<td>acetic acid, 2,2',2''-[(methylstannylidyne)tris(thio)tris-(trisooctyl ester)</td>
<td>54849-38-6</td>
</tr>
<tr>
<td>5,5,12,12-tetrahydro-7-methylene-7,10-dioxo-6,11-dioxo-5,12-distannahexadecane</td>
<td>25711-26-6</td>
</tr>
<tr>
<td>bis(tri-n-butyltin)oxide / bis(tributyltin)oxide</td>
<td>56-35-9</td>
</tr>
<tr>
<td>bis(tris(2-methyl-2-phenylpropyl)tin) oxide</td>
<td>13356-08-6</td>
</tr>
<tr>
<td>bis (tributyltin) maleate</td>
<td>14275-57-1</td>
</tr>
<tr>
<td>bis (tributyltin) phthalate</td>
<td>4782-29-0</td>
</tr>
<tr>
<td>bis (tributyltin) fumarate</td>
<td>6454-35-9</td>
</tr>
<tr>
<td>bromotrimeethylstannane</td>
<td>1066-44-0</td>
</tr>
<tr>
<td>p-nitropropenoxytributyltin</td>
<td>3644-32-4</td>
</tr>
<tr>
<td>fentin acetate / stannane, acetoxytriphenyl-stannane, bromotriethyl-</td>
<td>900-95-8</td>
</tr>
<tr>
<td>tributyltin fluoride / stannane, fluorotriphenyl-</td>
<td>2767-54-6</td>
</tr>
<tr>
<td>tributyltin fluoride / stannane, tributylfluoro-</td>
<td>379-52-2</td>
</tr>
<tr>
<td>tributyltin laurate / tributyl(lauroyloxy)stannane</td>
<td>1983-10-4</td>
</tr>
<tr>
<td>tributyl(neodecanoyloxy)stannane</td>
<td>3090-36-6</td>
</tr>
<tr>
<td>tributyl(oleoyloxy)stannane</td>
<td>28801-69-6</td>
</tr>
<tr>
<td>tributyltin</td>
<td>3090-35-5</td>
</tr>
<tr>
<td>tributyltin (and salts and esters)</td>
<td>56573-85-4</td>
</tr>
<tr>
<td>tributyltin (and salts and esters)</td>
<td>688-73-3</td>
</tr>
<tr>
<td>tributyltin .alpha.-(2,4,5-trichlorophenoxy) propionate</td>
<td>73940-89-3</td>
</tr>
<tr>
<td>tributyltin .beta.-iodopropionate</td>
<td>73927-95-4</td>
</tr>
<tr>
<td>tributyltin 2-ethylhexanoate</td>
<td>5035-67-6</td>
</tr>
<tr>
<td>(acetoxy)tributyl/stannane / tributyltin acetate</td>
<td>56-36-0</td>
</tr>
<tr>
<td>tributyltin acrylate</td>
<td>13331-52-7</td>
</tr>
<tr>
<td>tributyltin benzoate</td>
<td>4342-36-3</td>
</tr>
<tr>
<td>tributyltin bromide</td>
<td>1461-23-0</td>
</tr>
<tr>
<td>tributylchlorostannane / tributyltin chloride</td>
<td>1461-22-9</td>
</tr>
<tr>
<td>tributyltin chloroacetate</td>
<td>5847-52-9</td>
</tr>
<tr>
<td>tributyltin cinnamate</td>
<td>27147-18-8</td>
</tr>
<tr>
<td>tributyltin cyanate</td>
<td>4027-17-2</td>
</tr>
<tr>
<td>tributyltin cyanide</td>
<td>2179-92-2</td>
</tr>
<tr>
<td>tributyltin dimethyldithiocarbamate</td>
<td>20369-63-5</td>
</tr>
<tr>
<td>tributyltin gamma-chlorobutherate</td>
<td>33550-22-0</td>
</tr>
<tr>
<td>tributyltin hydroxide</td>
<td>1067-97-6</td>
</tr>
<tr>
<td>tributyltin iodide</td>
<td>7342-47-4</td>
</tr>
<tr>
<td>tributyltin iodoacetate</td>
<td>73927-91-0</td>
</tr>
<tr>
<td>tributyltin isocysthiocacetate</td>
<td>73927-97-6</td>
</tr>
<tr>
<td>tributyltin isopropylsuccinate</td>
<td>53404-82-3</td>
</tr>
<tr>
<td>tributyltin isothiocyanate</td>
<td>681-99-2</td>
</tr>
<tr>
<td>tributyltin linoleate</td>
<td>24124-25-2</td>
</tr>
<tr>
<td>tributyltin methacrylate</td>
<td>2155-70-6</td>
</tr>
<tr>
<td>tributyltin methanesulphonate</td>
<td>13302-06-2</td>
</tr>
<tr>
<td>tributyltin methoxide</td>
<td>1067-52-3</td>
</tr>
<tr>
<td>tributyltin monopropylene glycol maleate</td>
<td>53466-85-6</td>
</tr>
<tr>
<td>tributyltin naphthenate</td>
<td>36631-23-9</td>
</tr>
<tr>
<td>tributyltin naphthenate</td>
<td>85409-17-2</td>
</tr>
<tr>
<td>tributyltin nonanoate</td>
<td>4027-14-9</td>
</tr>
<tr>
<td>tributyltin o-iodobenzoate</td>
<td>73927-93-2</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>tributyltin p-iodobenzonate</td>
<td>73940-88-2</td>
</tr>
<tr>
<td>tributyltin sulfamate</td>
<td>6517-25-5</td>
</tr>
<tr>
<td>tributyltin undecylenate</td>
<td>69226-47-7</td>
</tr>
<tr>
<td>1-(tricyclohexylstannyl)-1H-1,2,4-triazole</td>
<td>41083-11-8</td>
</tr>
<tr>
<td>triethylo tin acetate</td>
<td>1907-13-7</td>
</tr>
<tr>
<td>triethylo tin chloride</td>
<td>994-31-0</td>
</tr>
<tr>
<td>triethylo tin hydroxide</td>
<td>994-32-1</td>
</tr>
<tr>
<td>triethylo tin iodide</td>
<td>2943-86-4</td>
</tr>
<tr>
<td>triethylo tin phenoxide</td>
<td>1529-30-2</td>
</tr>
<tr>
<td>trimethylo tin acetate</td>
<td>1118-14-5</td>
</tr>
<tr>
<td>trimethylo tin azide</td>
<td>1118-03-2</td>
</tr>
<tr>
<td>trimethylo tin chloride</td>
<td>1066-45-1</td>
</tr>
<tr>
<td>trimethylo tin hydroxide</td>
<td>56-24-6</td>
</tr>
<tr>
<td>trimethylo tin iodide</td>
<td>811-73-4</td>
</tr>
<tr>
<td>trimethylo tin sulphate</td>
<td>63869-87-4</td>
</tr>
<tr>
<td>trimethylo tin thiocyanate</td>
<td>4638-25-9</td>
</tr>
<tr>
<td>tri-n-butyl tin salicylate</td>
<td>4342-30-7</td>
</tr>
<tr>
<td>triphenylstannyl decanoate</td>
<td>47672-31-1</td>
</tr>
<tr>
<td>triphenylstannyl decanoate</td>
<td>18380-71-7</td>
</tr>
<tr>
<td>triphenylstannyl decanoate</td>
<td>18380-72-8</td>
</tr>
<tr>
<td>triphenylstannyl decanoate</td>
<td>94850-90-5</td>
</tr>
<tr>
<td>triphenyltin chloride</td>
<td>639-58-7</td>
</tr>
<tr>
<td>triphenyltin n,n-dimethylthiocarbamate</td>
<td>1000-12-9</td>
</tr>
<tr>
<td>triphenyltin hydride</td>
<td>892-20-6</td>
</tr>
<tr>
<td>triphenyltin hydroxide</td>
<td>76-87-9</td>
</tr>
<tr>
<td>triphenyltin iodide</td>
<td>894-09-7</td>
</tr>
<tr>
<td>tripropyltin acetate</td>
<td>3267-78-5</td>
</tr>
<tr>
<td>tripropyltin bromide</td>
<td>2767-61-5</td>
</tr>
<tr>
<td>tripropyltin chloride</td>
<td>2279-76-7</td>
</tr>
<tr>
<td>tripropyltin iodide</td>
<td>3742-45-2</td>
</tr>
<tr>
<td>tripropyltin iodoacetate</td>
<td>37927-92-1</td>
</tr>
<tr>
<td>tripropyltin laurate</td>
<td>57808-37-4</td>
</tr>
<tr>
<td>tripropyltin methacrylate</td>
<td>4154-35-2</td>
</tr>
<tr>
<td>tricyclohexyl tin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>triethyltin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>trihexyltin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>trimethyltin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>trioctyltin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>triptyloytin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>triphenyltin compounds</td>
<td>AL14</td>
</tr>
<tr>
<td>tripropyltin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>tributyltin compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>tri-substituted organoestannic compounds</td>
<td>AL52</td>
</tr>
<tr>
<td>butoxydibutylchlorostannane</td>
<td>14254-22-9</td>
</tr>
<tr>
<td>3,8,10-trioxa-9-stannatetradeca-5,12-dien-14-oic acid, 9,9-dibutyl-2-methyl-4,7,11-trioxo-, 1-methylpentyl ester, (Z,Z)-</td>
<td>22535-42-8</td>
</tr>
<tr>
<td>3,8,10-trioxa-9-stannatetradeca-5,12-dien-14-oic acid, 9,9-dibutyl-4,7,11-trioxo-, ethyl ester, (Z,Z)-</td>
<td>13173-04-1</td>
</tr>
<tr>
<td>5,7,12-trioxa-6-stannatracosa-2,9-dienolic acid, 6,6-dibutyl-4,8,11-triaoxy-, dodecyl ester, (Z,Z)-</td>
<td>33466-31-8</td>
</tr>
<tr>
<td>acetate, SS'-bisoctylmercapto- , dibutyltin</td>
<td>32011-18-0</td>
</tr>
<tr>
<td>bis (aceto) dibutyltin</td>
<td>17523-06-7</td>
</tr>
<tr>
<td>dibutyl tin</td>
<td>1002-53-5</td>
</tr>
<tr>
<td>dibutyltinbis(2-ethylhexyl mercaptoacetate)</td>
<td>10584-98-2</td>
</tr>
<tr>
<td>dibutylbis(octyl maleate)tin</td>
<td>17036-31-6</td>
</tr>
<tr>
<td>2-butenolic acid, 4,4'-(dibutylsthannylene)bisis(oxy),bis[4-oxo-, diisoctyl ester, (Z,Z)-dibutylbis(1-oxoneodecyl)oxy]stannane</td>
<td>25168-21-2</td>
</tr>
<tr>
<td>dibutylbis((1-oxoneodecyl)oxy)stannane</td>
<td>25168-22-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>dibutylbis(myristoyloxy)stannane</td>
<td>28660-67-5</td>
</tr>
<tr>
<td>dibutylthioxostannane</td>
<td>4253-22-9</td>
</tr>
<tr>
<td>dibutylbis[(1-oxoisooctadecyl)oxy]stannane</td>
<td>59963-28-9</td>
</tr>
<tr>
<td>silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane</td>
<td>93925-42-9</td>
</tr>
<tr>
<td>dibutylbis(ethyl 3-oxobutyrate-O1',O3)tin</td>
<td>54581-65-6</td>
</tr>
<tr>
<td>dibutyltin bis(2-ethylhexyl-3-mercaptopropionate)</td>
<td>53202-61-2</td>
</tr>
<tr>
<td>benzyl (z,z)-8,8-dibutyl-3,6,10-trioxo-1-phenyl-2,7,9-trioxo-8-stannatriodeca-4,11-dien-13-oate / dibutyltin bis(benzyl maleate)</td>
<td>7324-74-5</td>
</tr>
<tr>
<td>dibutyltin bis(cyclohexyl maleate)</td>
<td>5587-52-0</td>
</tr>
<tr>
<td>dibutyltin bis(isoctyl mercaptoacetate)</td>
<td>25168-24-5</td>
</tr>
<tr>
<td>dibutyltin bis(lauryl β-mercaptopropionate)</td>
<td>51287-83-3</td>
</tr>
<tr>
<td>dibutyltin bis(ocytliioglycolate)</td>
<td>2781-09-1</td>
</tr>
<tr>
<td>dibutyltin bis(oleyl maleate)</td>
<td>29881-72-9</td>
</tr>
<tr>
<td>dibutyltin di(isoctyl 3-mercaptopropionate)</td>
<td>26761-46-6</td>
</tr>
<tr>
<td>dibutyltin diacate</td>
<td>1067-33-0</td>
</tr>
<tr>
<td>dibutyltin dibenzoate</td>
<td>5847-54-1</td>
</tr>
<tr>
<td>dibutyltin dibutoxide</td>
<td>3349-36-8</td>
</tr>
<tr>
<td>dibutyltin dichloride</td>
<td>683-18-1</td>
</tr>
<tr>
<td>dibutyltin dihexanoate</td>
<td>19704-60-0</td>
</tr>
<tr>
<td>dibutyltin dilaurate</td>
<td>77-58-7</td>
</tr>
<tr>
<td>dibutyltin dilauryl mercaptide</td>
<td>1185-81-5</td>
</tr>
<tr>
<td>dibutyltin dimaleate</td>
<td>10192-92-4</td>
</tr>
<tr>
<td>dibutyltin dimethylxystannane</td>
<td>4731-87-7</td>
</tr>
<tr>
<td>dibutyltin dioctanoate</td>
<td>4731-77-5</td>
</tr>
<tr>
<td>dibutyltin dioleate</td>
<td>13323-62-1</td>
</tr>
<tr>
<td>dibutyltin dipalmitinate</td>
<td>13323-63-2</td>
</tr>
<tr>
<td>dibutyltin disaliclylate</td>
<td>14214-24-5</td>
</tr>
<tr>
<td>dibutyltin distearate</td>
<td>5847-55-2</td>
</tr>
<tr>
<td>dibutyltin hydrogen borate</td>
<td>75113-37-0</td>
</tr>
<tr>
<td>dibutyltin isooctanoate</td>
<td>85702-74-5</td>
</tr>
<tr>
<td>dibutyltin linoleate</td>
<td>85391-79-3</td>
</tr>
<tr>
<td>dibutyltin linolenate</td>
<td>95873-60-2</td>
</tr>
<tr>
<td>dibutyltin maleate</td>
<td>78-04-6</td>
</tr>
<tr>
<td>dibutyltin mercaptoacetate</td>
<td>78-20-6</td>
</tr>
<tr>
<td>dibutyltin mercaptopropionate</td>
<td>78-06-8</td>
</tr>
<tr>
<td>dibutyltin oxide</td>
<td>818-08-6</td>
</tr>
<tr>
<td>dibutyltin S,S'-bis(isoctyl mercaptoacetate)</td>
<td>26636-01-1</td>
</tr>
<tr>
<td>dibutyn (2-ethylhexyl maleate)</td>
<td>15546-12-0</td>
</tr>
<tr>
<td>di-n-butylin bis(methyl maleate)</td>
<td>15546-11-9</td>
</tr>
<tr>
<td>di-n-butylin di(monobutyl)maleate</td>
<td>15546-16-4</td>
</tr>
<tr>
<td>di-n-butylin di(2-ethylhexanoate)</td>
<td>2781-10-4</td>
</tr>
<tr>
<td>tin, dibuty(1,2-ethanediamine-N,N')bis(monoisoctyl 2-butenedioato-O')-</td>
<td>163206-28-8</td>
</tr>
<tr>
<td>tin, dibuty(2-(carboxymethyl)-N-(2-hydroxyethyl)glycinato(2))-</td>
<td>68239-46-3</td>
</tr>
<tr>
<td>tin, dibutybis(2,4-pentanediolato-N,O',O''), (OC-6-11)-</td>
<td>22673-19-4</td>
</tr>
<tr>
<td>Tin, dibutylbis(methyl 3-mercaptopropanoato-O,S)-</td>
<td>32011-19-1</td>
</tr>
<tr>
<td>tin, dibutylbis(N,N-diethylethanamine)diifluoro-</td>
<td>67924-24-7</td>
</tr>
<tr>
<td>tin, dibutyltin compounds</td>
<td>AL53</td>
</tr>
<tr>
<td>dioctyl tin</td>
<td>26401-97-8</td>
</tr>
<tr>
<td>dioctyltin bis(2-ethylhexyl thiglycolate)</td>
<td>15571-58-1</td>
</tr>
<tr>
<td>dioctyltin bis(isoctyl maleate)</td>
<td>33568-99-9</td>
</tr>
<tr>
<td>dioctyltin dichloride</td>
<td>3542-36-7</td>
</tr>
<tr>
<td>dioctyltin maleate</td>
<td>16091-18-2</td>
</tr>
<tr>
<td>dioctyltin oxide</td>
<td>870-08-6</td>
</tr>
<tr>
<td>dioctyltin(stearoiloxy)stannane</td>
<td>22205-26-1</td>
</tr>
<tr>
<td>dioctyltin dilaurate</td>
<td>3648-18-8</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>dioctylbis(pentane-2,4-dionato-O,O’')tin</td>
<td>54068-28-9</td>
</tr>
<tr>
<td>dioctyltindineodecanoate</td>
<td>68299-15-0</td>
</tr>
<tr>
<td>silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dioctylstannane</td>
<td>93925-43-0</td>
</tr>
<tr>
<td>dioctyltin bis(2-ethylhexyl maleate)</td>
<td>10039-33-5</td>
</tr>
<tr>
<td>dioctyl tin compounds</td>
<td>AL54</td>
</tr>
<tr>
<td>diisobutyltin oxide</td>
<td>61947-30-6</td>
</tr>
<tr>
<td>dimethoxybis(pentane-2,4-dionato-O,O’’)tin</td>
<td>66779-19-9</td>
</tr>
<tr>
<td>Tin, dichloro[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (OC-6-12)-</td>
<td>18253-54-8</td>
</tr>
<tr>
<td>diorganotin compounds</td>
<td>AL55</td>
</tr>
<tr>
<td>Other organoistannic compounds</td>
<td>AL56</td>
</tr>
<tr>
<td>beryl ore</td>
<td>1302-52-9</td>
</tr>
<tr>
<td>beryllate(2-), tetrafluoro-, diammonium</td>
<td>14874-86-3</td>
</tr>
<tr>
<td>beryllium</td>
<td>7440-41-7</td>
</tr>
<tr>
<td>beryllium aluminum alloy</td>
<td>12770-50-2</td>
</tr>
<tr>
<td>beryllium boride (Be2B)</td>
<td>12536-51-5</td>
</tr>
<tr>
<td>beryllium boride (Be4B)</td>
<td>12536-52-6</td>
</tr>
<tr>
<td>beryllium boride (BeB2)</td>
<td>12228-40-9</td>
</tr>
<tr>
<td>beryllium boride (BeB6)</td>
<td>12429-94-6</td>
</tr>
<tr>
<td>beryllium bromide (BeBr2)</td>
<td>7787-46-4</td>
</tr>
<tr>
<td>beryllium carbide (Be2C)</td>
<td>506-66-1</td>
</tr>
<tr>
<td>beryllium carbonate</td>
<td>13106-47-3</td>
</tr>
<tr>
<td>bis[carbonato-(2-)]dihydroxy-triberyllium</td>
<td>66104-24-3</td>
</tr>
<tr>
<td>beryllium chloride</td>
<td>7787-47-5</td>
</tr>
<tr>
<td>beryllium di(acetate)</td>
<td>543-81-7</td>
</tr>
<tr>
<td>beryllium fluoride</td>
<td>12323-05-6</td>
</tr>
<tr>
<td>beryllium fluoride</td>
<td>7787-49-7</td>
</tr>
<tr>
<td>beryllium hydroxide</td>
<td>13327-32-7</td>
</tr>
<tr>
<td>beryllium iodide (BeI2)</td>
<td>7787-53-3</td>
</tr>
<tr>
<td>beryllium nitrate</td>
<td>13597-99-4</td>
</tr>
<tr>
<td>beryllium nitrate trihydrate</td>
<td>7787-55-5</td>
</tr>
<tr>
<td>beryllium nitride (Be3N2)</td>
<td>1304-54-7</td>
</tr>
<tr>
<td>beryllium oxide</td>
<td>1304-56-9</td>
</tr>
<tr>
<td>beryllium phosphate</td>
<td>13598-15-7</td>
</tr>
<tr>
<td>beryllium phosphide</td>
<td>58127-61-0</td>
</tr>
<tr>
<td>beryllium phosphide (BeP2)</td>
<td>57620-29-8</td>
</tr>
<tr>
<td>beryllium selenide (BeSe)</td>
<td>12232-25-6</td>
</tr>
<tr>
<td>beryllium sulfate</td>
<td>13510-49-1</td>
</tr>
<tr>
<td>beryllium sulfate tetrahydrate</td>
<td>7787-56-6</td>
</tr>
<tr>
<td>beryllium sulfide (BeS)</td>
<td>13598-22-6</td>
</tr>
<tr>
<td>beryllium telluride (BeTe)</td>
<td>12232-27-8</td>
</tr>
<tr>
<td>beryllium zinc silicate</td>
<td>25638-88-4</td>
</tr>
<tr>
<td>beryllium zinc silicate</td>
<td>39413-47-3</td>
</tr>
<tr>
<td>bis(pentane-2,4-dionato-O,O’’)beryllium</td>
<td>10210-64-7</td>
</tr>
<tr>
<td>diethylberyllium</td>
<td>542-63-2</td>
</tr>
<tr>
<td>disodium tetrafluoroberyllate</td>
<td>13871-27-7</td>
</tr>
<tr>
<td>hexakis[.mu.-(-acetato-O,O’‘)]-mu.4-oxotetaberyllium</td>
<td>19049-40-2</td>
</tr>
<tr>
<td>nitric acid, beryllium salt, tetrahydrate</td>
<td>13510-48-0</td>
</tr>
<tr>
<td>phosphoric acid, beryllium salt</td>
<td>35089-00-0</td>
</tr>
<tr>
<td>phosphoric acid, beryllium salt (2:3)</td>
<td>13598-26-0</td>
</tr>
<tr>
<td>silicic acid (H4SiO4), beryllium salt (1:2)</td>
<td>15191-85-2</td>
</tr>
<tr>
<td>silicic acid, beryllium salt</td>
<td>58500-38-2</td>
</tr>
<tr>
<td>beryllium compounds</td>
<td>AL16</td>
</tr>
<tr>
<td>asbestos</td>
<td>77536-66-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>amosite</td>
<td>12172-73-5</td>
</tr>
<tr>
<td>anthophylite</td>
<td>77536-67-5</td>
</tr>
<tr>
<td>chrysotile</td>
<td>12001-29-5</td>
</tr>
<tr>
<td>crocidolite</td>
<td>12001-28-4</td>
</tr>
<tr>
<td>tremolite</td>
<td>77536-68-6</td>
</tr>
<tr>
<td>asbestos</td>
<td>1332-21-4</td>
</tr>
<tr>
<td>actinolite</td>
<td>13768-00-8</td>
</tr>
<tr>
<td>tremolite</td>
<td>14567-73-8</td>
</tr>
<tr>
<td>anthophyllite</td>
<td>17068-78-9</td>
</tr>
<tr>
<td>actinolite</td>
<td>12172-67-7</td>
</tr>
<tr>
<td>chrysotile</td>
<td>132207-32-0</td>
</tr>
<tr>
<td>crocidolite</td>
<td>132207-33-1</td>
</tr>
<tr>
<td>asbestos</td>
<td>AL17</td>
</tr>
<tr>
<td>specified brominated flame retardants</td>
<td></td>
</tr>
<tr>
<td>2-bromobiphenyl</td>
<td>2052-07-5</td>
</tr>
<tr>
<td>3-bromobiphenyl</td>
<td>2113-57-7</td>
</tr>
<tr>
<td>4-bromobiphenyl</td>
<td>92-66-0</td>
</tr>
<tr>
<td>tetrabromobiphenyl</td>
<td>40088-45-7</td>
</tr>
<tr>
<td>pentabromobiphenyl</td>
<td>56307-79-0</td>
</tr>
<tr>
<td>heptabromobiphenyl</td>
<td>35194-78-6</td>
</tr>
<tr>
<td>nonabromo-1,1'-biphenyl</td>
<td>27753-52-2</td>
</tr>
<tr>
<td>[1,1'-biphenyl]-ar,ar'-dil, tetrabromo-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]</td>
<td>68758-75-8</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',3,4',5'-pentabromo-</td>
<td>73141-48-7</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',3,4,6-pentabromo-</td>
<td>77910-04-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',3,5,6-pentabromo-</td>
<td>88700-05-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,4',5-pentabromo-</td>
<td>81397-99-1</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,4',6-pentabromo-</td>
<td>97038-97-6</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,4',4'-tetrabromo-</td>
<td>66115-57-9</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,5,5'-pentabromo-</td>
<td>67888-96-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,5','6-pentabromo-</td>
<td>59080-39-6</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,5,6'-pentabromo-</td>
<td>80274-92-6</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,5,5'-pentabromo-</td>
<td>60044-24-8</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,4,6'-pentabromo-</td>
<td>97063-75-7</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',4,4,6'-pentabromo-</td>
<td>97038-95-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',5,5',6'-pentabromo-</td>
<td>59080-37-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',5,6',6'-pentabromo-</td>
<td>60044-25-9</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',5,5',5'-pentabromo-</td>
<td>59080-34-1</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2',6,6',6'-pentabromo-</td>
<td>97038-96-5</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,2'-dibromo-</td>
<td>13029-09-9</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3,4,4',5'-pentabromo-</td>
<td>96551-70-1</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3,3',4,4',5'-pentabromo-</td>
<td>74114-77-5</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3',4,4',4'-tetra bromo-</td>
<td>84303-45-7</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3,4,5,6-pentabromo-</td>
<td>38421-62-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3',4,5,6-pentabromo-</td>
<td>59080-38-5</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3',5-tribromo-</td>
<td>59080-35-2</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,3',dibromo-</td>
<td>49602-90-6</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4,4',6-tetra bromo-</td>
<td>64258-02-2</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4',5,6-tetra bromo-</td>
<td>59080-36-3</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4,5,6-tetra bromo-</td>
<td>59080-33-0</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4',6-dibromo-</td>
<td>64258-03-3</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4'-dibromo-</td>
<td>49602-91-7</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4,5-dibromo-</td>
<td>53592-10-2</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,5,5-dibromo-</td>
<td>57422-77-2</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,6-dibromo-</td>
<td>59080-32-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,3',4,4'-tetrabromo-</td>
<td>77102-82-0</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,3',4,5'-tetrabromo-</td>
<td>97038-98-7</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,3',5,5'-tetrabromo-</td>
<td>16400-50-3</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,3'-dibromo-</td>
<td>16400-51-4</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,4',5-tetrabromo-</td>
<td>59589-92-3</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,4'-dibromo-</td>
<td>57186-90-0</td>
</tr>
<tr>
<td>1,1'-biphenyl, 3,4-dibromo-</td>
<td>60108-72-7</td>
</tr>
<tr>
<td>4,4'-dibromobiphenyl / 1,1'-biphenyl, 4,4'-dibromo-</td>
<td>92-86-4</td>
</tr>
<tr>
<td>2,2',3,3',5,5',6,6'-octabromo-4-phenoxy-1,1'-biphenyl</td>
<td>83929-69-5</td>
</tr>
<tr>
<td>4,4',6,6'-tetrabromo[1,1'-biphenyl]-2,2'-diol</td>
<td>14957-65-4</td>
</tr>
<tr>
<td>decabromobiphenyl (perbromobiphenyl)</td>
<td>13654-09-6</td>
</tr>
<tr>
<td>hexabrominated biphenyls / firemaster BP-6</td>
<td>59536-65-1</td>
</tr>
<tr>
<td>hexabromobiphenyl</td>
<td>59080-40-9</td>
</tr>
<tr>
<td>firemaster FF 1</td>
<td>67774-32-7</td>
</tr>
<tr>
<td>hexabromobiphenyl</td>
<td>36355-01-8</td>
</tr>
<tr>
<td>octabromobiphenyl</td>
<td>27858-07-7</td>
</tr>
<tr>
<td>octabromobiphenyl / bromkal 8</td>
<td>61288-13-9</td>
</tr>
<tr>
<td>PBB</td>
<td>AL18</td>
</tr>
<tr>
<td>monobrominated diphenyl ethers</td>
<td>101-55-3</td>
</tr>
<tr>
<td>dibrominated diphenyl ethers</td>
<td>2050-47-7</td>
</tr>
<tr>
<td>tribrominated diphenyl ethers</td>
<td>49690-94-0</td>
</tr>
<tr>
<td>pentabromotetraphenylene-benzene</td>
<td>63936-56-1</td>
</tr>
<tr>
<td>decabrominated diphenyl ethers / decabromodiphenyl ether ('deca'; decabromodiphenyl oxide)</td>
<td>1163-19-5</td>
</tr>
<tr>
<td>octabrominated diphenyl ethers / octabromodiphenyl ether ('octa')</td>
<td>32536-52-0</td>
</tr>
<tr>
<td>pentabrominated diphenyl ethers / pentabromodiphenyl ether ('penta')</td>
<td>32534-81-9</td>
</tr>
<tr>
<td>hexabrominated diphenyl ethers / hexabromodiphenyl ether</td>
<td>36483-60-0</td>
</tr>
<tr>
<td>heptabromodiphenylether</td>
<td>68928-80-3</td>
</tr>
<tr>
<td>tetrabrominated diphenyl ethers / tetrabromodiphenylether</td>
<td>40088-47-9</td>
</tr>
<tr>
<td>PBDE</td>
<td>AL19</td>
</tr>
<tr>
<td>brominated flame retardant which comes under notation of iso 1043-4 code number FR(14) [ aliphatic/acyclic brominated compounds ]</td>
<td>FR(14)</td>
</tr>
<tr>
<td>brominated flame retardant which comes under notation of iso 1043-4 code number FR(15) [ aliphatic/acyclic brominated compounds in combination with antimony compounds ]</td>
<td>FR(15)</td>
</tr>
<tr>
<td>brominated flame retardant which comes under notation of iso 1043-4 code number FR(16) [ aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) ]</td>
<td>FR(16)</td>
</tr>
<tr>
<td>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 ]</td>
<td>FR(17)</td>
</tr>
<tr>
<td>brominated flame retardant which comes under notation of iso 1043-4 code number FR(22) [ aliphatic/acyclic chlorinated and brominated compounds ]</td>
<td>FR(22)</td>
</tr>
<tr>
<td>brominated flame retardant which comes under notation of iso 1043-4 code number FR(42) [ brominated organic phosphorus compounds ]</td>
<td>FR(42)</td>
</tr>
<tr>
<td>poly(2,6-dibromo-phenylene oxide)</td>
<td>69882-11-7</td>
</tr>
<tr>
<td>tetra-decabromo-diphenoxoy-benzene</td>
<td>58965-66-5</td>
</tr>
<tr>
<td>1,2-bis(2,4,6-tribromo-phenoxy) ethane</td>
<td>37853-59-1</td>
</tr>
<tr>
<td>TBBA, unspecified</td>
<td>30496-13-0</td>
</tr>
<tr>
<td>TBBA-epichlorhydrin oligomer</td>
<td>40039-93-8</td>
</tr>
<tr>
<td>TBBA-TBBA-diglycidyl-ether oligomer</td>
<td>70682-74-5</td>
</tr>
<tr>
<td>TBBA carbonate oligomer</td>
<td>28906-13-0</td>
</tr>
<tr>
<td>TBBA carbonate oligomer, phenoxy end capped</td>
<td>94334-64-2</td>
</tr>
<tr>
<td>TBBA carbonate oligomer, 2,4,6-tribromo-phenol, terminated</td>
<td>71342-77-3</td>
</tr>
<tr>
<td>TBBA-bisphenol, a-phosgene polymer</td>
<td>32844-27-2</td>
</tr>
<tr>
<td>brominated epoxy resin end-capped with tribromophenol</td>
<td>139638-58-7</td>
</tr>
<tr>
<td>brominated epoxy resin end-capped with tribromophenol</td>
<td>135229-48-0</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>TBBA-(2,3-dibromo-propyl-ether)</td>
<td>21850-44-2</td>
</tr>
<tr>
<td>TBBA bis-(2-hydroxy-ethyl-ether)</td>
<td>4162-45-2</td>
</tr>
<tr>
<td>TBBA-bis-(allyl-ether)</td>
<td>25327-89-3</td>
</tr>
<tr>
<td>TBBA-dimethyl-ether</td>
<td>37853-61-5</td>
</tr>
<tr>
<td>4,4'-sulphonylbis[2,6-dibromophenol,]</td>
<td>39635-79-5</td>
</tr>
<tr>
<td>TBBS-bis-(2,3-dibromo-propyl-ether)</td>
<td>42757-55-1</td>
</tr>
<tr>
<td>2,4-dibromo-phenol,</td>
<td>615-58-7</td>
</tr>
<tr>
<td>2,4,6-tribromo-phenol,</td>
<td>118-79-6</td>
</tr>
<tr>
<td>pentabromo-phenol,</td>
<td>608-71-9</td>
</tr>
<tr>
<td>2,4,6-tribromo-phenyl-allitol-ether</td>
<td>3278-89-5</td>
</tr>
<tr>
<td>tribromo-phenyl-allitol-ether, unspecified</td>
<td>26762-91-4</td>
</tr>
<tr>
<td>1,1,2,2-tetrabromoethane</td>
<td>79-27-6</td>
</tr>
<tr>
<td>hexabromobenzene</td>
<td>87-82-1</td>
</tr>
<tr>
<td>bis(methyl)tetra bromo-phtalate</td>
<td>55481-60-2</td>
</tr>
<tr>
<td>phthalic acid, 3,4,5,6-tetra bromo,- bis(2-ethylhexyl) ester</td>
<td>26040-51-7</td>
</tr>
<tr>
<td>2-(2-hydroxyethoxy)ethyl 2-hydroxypropyl 3,4,5,6-tetra bromophthalate</td>
<td>20566-35-2</td>
</tr>
<tr>
<td>TBPA, glycol-and propylene-oxide esters</td>
<td>75790-69-1</td>
</tr>
<tr>
<td>1H-isointole-1,3(2H)-dione, 2,2'-(1,2-ethanediyl)bis[4,5,6,7-tetra bromo-</td>
<td>32588-76-4</td>
</tr>
<tr>
<td>n,n'-(ethylene)bis[4,5-dibromohexahydro-3,6-methanophthalimide]</td>
<td>52907-07-0</td>
</tr>
<tr>
<td>2,3-dibromo-2-butene-1,4-diol</td>
<td>3234-02-4</td>
</tr>
<tr>
<td>2,2-bis(bromomethyl)propane-1,3-diol</td>
<td>3296-90-0</td>
</tr>
<tr>
<td>2,3-dibromopropan-1-ol</td>
<td>96-13-9</td>
</tr>
<tr>
<td>3-bromo-2,2-bis(bromomethyl)propan-1-ol</td>
<td>36483-57-5</td>
</tr>
<tr>
<td>poly(tribromostyrene)</td>
<td>57137-10-7</td>
</tr>
<tr>
<td>tribromostyrene</td>
<td>61368-34-1</td>
</tr>
<tr>
<td>benzene, ethenyl-, ar-bromo derivs., polymers with propene, graft</td>
<td>171091-06-8</td>
</tr>
<tr>
<td>dibromostyrene</td>
<td>31780-26-4</td>
</tr>
<tr>
<td>alkanes, C10-18, bromo chloro</td>
<td>68955-41-9</td>
</tr>
<tr>
<td>bromo-/chloro-alpha-olefin</td>
<td>82600-56-4</td>
</tr>
<tr>
<td>bromoethylene</td>
<td>593-60-2</td>
</tr>
<tr>
<td>1,3,5-tris(2,3-dibromopropyl)-1,3,5-triazine-2,4,6(1h,3h,5h)-trione</td>
<td>52434-90-9</td>
</tr>
<tr>
<td>tris(dibromophenyl) phosphate</td>
<td>49690-63-3</td>
</tr>
<tr>
<td>tris[3-bromo-2,2-bis(bromomethyl)propan-1-yl] phosphate</td>
<td>19186-97-1</td>
</tr>
<tr>
<td>phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloroethyl esters</td>
<td>125997-20-8</td>
</tr>
<tr>
<td>2,3,4,5,6-pentabromotoluene</td>
<td>87-83-2</td>
</tr>
<tr>
<td>2,3,4,5,6, alpha-hexabromotoluene</td>
<td>38521-51-6</td>
</tr>
<tr>
<td>1,3-butadiene, homopolymer, brominated</td>
<td>68441-46-3</td>
</tr>
<tr>
<td>(pentabromophenyl)methyl acrylate</td>
<td>59447-55-1</td>
</tr>
<tr>
<td>2-propenoic acid, (2,3,4,5,6-pentabromophenyl)methyl ester, homopolymer</td>
<td>59447-57-3</td>
</tr>
<tr>
<td>1,1'-{(ethane-1,2-diyli)bis[2,3,4,5,6-pentabromobenzene]}</td>
<td>84852-53-9</td>
</tr>
<tr>
<td>1H-pyrrole-2,5-dione, 1-(2,4,6-tribromophenyl)-</td>
<td>59789-51-4</td>
</tr>
<tr>
<td>tetra bromocyclooctane</td>
<td>31454-48-5</td>
</tr>
<tr>
<td>1,2-dibromo-4-(1,2-dibromoethyl)cyclohexane</td>
<td>3322-93-8</td>
</tr>
<tr>
<td>disodium tetrabromophthalate</td>
<td>25357-79-3</td>
</tr>
<tr>
<td>3,5,3',5'-tetrabromo-bisphenol, A (TBBA)</td>
<td>79-94-7</td>
</tr>
<tr>
<td>hexabromocyclodecane(HBCDD)</td>
<td>25637-99-4</td>
</tr>
<tr>
<td>hexabromocyclodecane(HBCDD)</td>
<td>3194-55-6</td>
</tr>
<tr>
<td>α-hexabromocyclodecane</td>
<td>134237-50-6</td>
</tr>
<tr>
<td>β-hexabromocyclodecane</td>
<td>134237-51-7</td>
</tr>
<tr>
<td>γ-hexabromocyclodecane</td>
<td>134237-52-8</td>
</tr>
<tr>
<td>phthalic anhydride, tetrabromo-</td>
<td>632-79-1</td>
</tr>
<tr>
<td>1H-indene, 2,3-dihydro-1,1,3-trimethyl-3-phenyl-, octabromo deriv.</td>
<td>155613-93-7</td>
</tr>
<tr>
<td>monomethyl dibromodiphenylmethane</td>
<td>99688-47-8</td>
</tr>
<tr>
<td>monomethyl dichlorodiphenylmethane</td>
<td>81161-70-8</td>
</tr>
<tr>
<td>dodecabromoterphenyl</td>
<td>79596-31-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>undecabromoterphenyl</td>
<td>83929-80-0</td>
</tr>
<tr>
<td>4-bromo-p-terphenyl</td>
<td>1762-84-1</td>
</tr>
<tr>
<td>2-bromo-p-terphenyl</td>
<td>3282-24-4</td>
</tr>
<tr>
<td>2-bromo-p-terphenyl</td>
<td>75295-57-7</td>
</tr>
<tr>
<td>4,4'-dibromo-p-terphenyl</td>
<td>17788-94-2</td>
</tr>
<tr>
<td>3-bromo-p-terphenyl</td>
<td>1762-87-4</td>
</tr>
<tr>
<td>brominated flame retardants</td>
<td>AL42</td>
</tr>
<tr>
<td>alpha-chloronaphthalene</td>
<td>90-13-1</td>
</tr>
<tr>
<td>octachloronaphthalene</td>
<td>2234-13-1</td>
</tr>
<tr>
<td>tetrachloronaphthalene</td>
<td>1335-88-2</td>
</tr>
<tr>
<td>hexachloronaphthalene</td>
<td>1335-87-1</td>
</tr>
<tr>
<td>heptachloro naphthalene</td>
<td>32241-08-0</td>
</tr>
<tr>
<td>naphthalene, chloro derivatives</td>
<td>70776-03-3</td>
</tr>
<tr>
<td>trichloronaphthalene</td>
<td>1321-65-9</td>
</tr>
<tr>
<td>pentachloronaphthalene</td>
<td>1321-64-8</td>
</tr>
<tr>
<td>polychlorinated naphthalene</td>
<td>38289-27-9</td>
</tr>
<tr>
<td>polychloronaphthalene</td>
<td>AL20</td>
</tr>
<tr>
<td>1,1'-biphenyl, 2,4',5-trichloro-hexabromobiphenyl</td>
<td>16606-02-3</td>
</tr>
<tr>
<td>2,2',4,4',5,5'-hexachlorobiphenyl</td>
<td>2437-79-8</td>
</tr>
<tr>
<td>2,3',4,4',5,5'-hexachlorobiphenyl</td>
<td>52663-72-6</td>
</tr>
<tr>
<td>2,4,5,2',4',5'-hexachlorobiphenyl</td>
<td>35065-27-1</td>
</tr>
<tr>
<td>3,3',4,4'-tetrachlorobiphenyl</td>
<td>32598-13-3</td>
</tr>
<tr>
<td>3,4,5,3',4',5'-hexachlorobiphenyl</td>
<td>32774-16-6</td>
</tr>
<tr>
<td>aroclor 1016</td>
<td>12674-11-2</td>
</tr>
<tr>
<td>aroclor 1221</td>
<td>11104-28-2</td>
</tr>
<tr>
<td>aroclor 1232</td>
<td>11141-16-5</td>
</tr>
<tr>
<td>aroclor 1242</td>
<td>53469-21-9</td>
</tr>
<tr>
<td>aroclor 1248</td>
<td>12672-29-6</td>
</tr>
<tr>
<td>aroclor 1254</td>
<td>11097-69-1</td>
</tr>
<tr>
<td>aroclor 1260</td>
<td>11096-82-5</td>
</tr>
<tr>
<td>heptachloro-1,1'-biphenyl</td>
<td>28655-71-2</td>
</tr>
<tr>
<td>nonachloro-1,1'-biphenyl</td>
<td>53742-07-7</td>
</tr>
<tr>
<td>pentachloro[1,1'-biphenyl]</td>
<td>25429-29-2</td>
</tr>
<tr>
<td>polychlorinated biphenyls</td>
<td>1336-36-3</td>
</tr>
<tr>
<td>tetrachloro(tetrachlorophenyl)benzene</td>
<td>31472-83-0</td>
</tr>
<tr>
<td>polychlorinated terphenyls / terphenyl, chlorinated</td>
<td>61788-33-8</td>
</tr>
<tr>
<td>chlorinated paraffins</td>
<td>AL22</td>
</tr>
<tr>
<td>short chain chlorinated paraffins (C10-13, 48% chlorine)</td>
<td>85535-85-9</td>
</tr>
<tr>
<td>chloroalkane(C10-13) (short chain chlorinated paraffins)</td>
<td>108171-26-2</td>
</tr>
<tr>
<td>alkanes, C10-12, chloro</td>
<td>85535-84-8</td>
</tr>
<tr>
<td>alkanes, C12-13, chloro medium chain (MCCP), by definition: chloroparaffins, unbranched, CxH(2x-y+2)Cly, where x = 14-17 and y = 1-17</td>
<td>71011-12-6</td>
</tr>
<tr>
<td>alkanes, C14-17, chloro OTHER: may or may not be short or medium chain.</td>
<td>85535-85-9</td>
</tr>
<tr>
<td>alkanes, C10-21, chloro</td>
<td>84082-38-2</td>
</tr>
<tr>
<td>alkanes, chloro; chloroparaffins</td>
<td>61788-76-9</td>
</tr>
<tr>
<td>chlorinated polyethylene</td>
<td>51990-12-6</td>
</tr>
<tr>
<td>paraffin waxes, chloro</td>
<td>51990-12-6</td>
</tr>
<tr>
<td>chlorinated n-paraffins (C6-18)</td>
<td>64754-90-1</td>
</tr>
<tr>
<td>alkane, C10-14-, chloro-</td>
<td>63449-39-8</td>
</tr>
<tr>
<td>alkane, C12-14-, chloro-</td>
<td>68920-70-7</td>
</tr>
<tr>
<td>alkanes, C10-14-, chloro-</td>
<td>85681-73-8</td>
</tr>
<tr>
<td>alkanes, C12-14-, chloro-</td>
<td>85536-22-7</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>alkane, C16-27-, chloro-</td>
<td>84776-07-8</td>
</tr>
<tr>
<td>alkane, C16-35-, chloro-</td>
<td>85049-26-9</td>
</tr>
<tr>
<td>alkane, C12-24-, chloro-</td>
<td>68527-02-6</td>
</tr>
<tr>
<td>2,4,5-trimethylaniline</td>
<td>137-17-7</td>
</tr>
<tr>
<td>2-naphthylamine</td>
<td>91-59-8</td>
</tr>
<tr>
<td>3,3'-dichlorobenzidine</td>
<td>91-94-1</td>
</tr>
<tr>
<td>3,3'-dimethoxybenzidine</td>
<td>119-90-4</td>
</tr>
<tr>
<td>3,3'-dimethylbenzidine</td>
<td>119-93-7</td>
</tr>
<tr>
<td>4,4'-methylenebis-(2-chlorobenzenamine)</td>
<td>101-14-4</td>
</tr>
<tr>
<td>4,4'-methylenedianiline (MDA) / diamino-diphenylmethane (4,4'-diaminodiphenylmethane)</td>
<td>101-77-9</td>
</tr>
<tr>
<td>4,4'-methylenedi-o-toluidine</td>
<td>838-88-0</td>
</tr>
<tr>
<td>4,4'-oxydianiline</td>
<td>101-80-4</td>
</tr>
<tr>
<td>4,4'-thiodianiline</td>
<td>139-65-1</td>
</tr>
<tr>
<td>biphenyl-4-ylamine</td>
<td>92-67-1</td>
</tr>
<tr>
<td>4-chloroaniline</td>
<td>106-47-8</td>
</tr>
<tr>
<td>4-chloro-o-toluidine</td>
<td>95-69-2</td>
</tr>
<tr>
<td>4-methoxy-1,3-phenylenediamine</td>
<td>615-05-4</td>
</tr>
<tr>
<td>toluene-2,4-diamine</td>
<td>95-80-7</td>
</tr>
<tr>
<td>2-methyl-5-nitroaniline</td>
<td>99-55-8</td>
</tr>
<tr>
<td>benzidine</td>
<td>92-87-5</td>
</tr>
<tr>
<td>2-methyl-4-(2-tolyldiazenyl)aniline</td>
<td>97-56-3</td>
</tr>
<tr>
<td>aniline, 2-methoxy-</td>
<td>90-04-0</td>
</tr>
<tr>
<td>ortho-toluidine</td>
<td>95-53-4</td>
</tr>
<tr>
<td>6-methoxy-n-toluidine</td>
<td>120-71-8</td>
</tr>
<tr>
<td>4-aminoazobenzene</td>
<td>60-09-3</td>
</tr>
<tr>
<td>N,N-diethanolamin</td>
<td>111-42-2</td>
</tr>
<tr>
<td>N,N-diethylamin</td>
<td>109-89-7</td>
</tr>
<tr>
<td>N,N-di-i-propylamin</td>
<td>108-18-9</td>
</tr>
<tr>
<td>N,N-dimethylamin</td>
<td>124-40-3</td>
</tr>
<tr>
<td>N,N-di-n-propylamin</td>
<td>142-84-7</td>
</tr>
<tr>
<td>N,N-di-n-butylamin</td>
<td>111-92-2</td>
</tr>
<tr>
<td>N,N-ethylphenylamin</td>
<td>103-69-5</td>
</tr>
<tr>
<td>N,N-methylethylamin</td>
<td>624-78-2</td>
</tr>
<tr>
<td>N-methyl-N-phenylamin</td>
<td>100-61-8</td>
</tr>
<tr>
<td>morpholin</td>
<td>110-91-8</td>
</tr>
<tr>
<td>piperidin</td>
<td>110-89-4</td>
</tr>
<tr>
<td>pyrrolidin</td>
<td>123-75-1</td>
</tr>
<tr>
<td>p-aminobiphenyl hydrochloride</td>
<td>2113-61-3</td>
</tr>
<tr>
<td>benzidine acetate</td>
<td>36341-27-2</td>
</tr>
<tr>
<td>benzidine salt</td>
<td>531-86-2</td>
</tr>
<tr>
<td>benzidine sulphate</td>
<td>21136-70-9</td>
</tr>
<tr>
<td>benzidine, Ni(2+) salt</td>
<td>67632-50-2</td>
</tr>
<tr>
<td>[1,1'-biphenyl]-4,4'-diamine, dihydrochloride</td>
<td>531-85-1</td>
</tr>
<tr>
<td>[1,1'-biphenyl]-4,4'-diamine, 2,2'-dichloro-, sulfate (1:1)</td>
<td>70146-07-5</td>
</tr>
<tr>
<td>3,3'-dichlorobenzidine dihydrochloride</td>
<td>612-83-9</td>
</tr>
<tr>
<td>3,3'-dimethylbenzidine dihydrochloride</td>
<td>612-82-8</td>
</tr>
<tr>
<td>4,4'-diaminodiphenyl-2,2'-disulfonic acid disodium salt</td>
<td>27336-24-9</td>
</tr>
<tr>
<td>acid black 7</td>
<td>8004-59-9</td>
</tr>
<tr>
<td>C.I. acid red 85</td>
<td>3567-65-5</td>
</tr>
<tr>
<td>C.I. direct black 38</td>
<td>1937-37-7</td>
</tr>
<tr>
<td>C.I. direct black 4, disodium salt</td>
<td>2429-83-6</td>
</tr>
<tr>
<td>C.I. direct blue 6</td>
<td>2602-46-2</td>
</tr>
<tr>
<td>C.I. direct blue 2, trisodium salt</td>
<td>2429-73-4</td>
</tr>
<tr>
<td>C.I. direct brown 1</td>
<td>3811-71-0</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>C.I. direct brown 2, disodium salt</td>
<td>2429-82-5</td>
</tr>
<tr>
<td>C.I. direct brown 154</td>
<td>6360-54-9</td>
</tr>
<tr>
<td>C.I. direct brown 31, tetrasodium salt</td>
<td>2429-81-4</td>
</tr>
<tr>
<td>C.I. direct brown 59, disodium salt</td>
<td>3476-90-2</td>
</tr>
<tr>
<td>C.I. direct brown 6, disodium salt</td>
<td>2893-80-3</td>
</tr>
<tr>
<td>C.I. direct brown 95</td>
<td>16071-86-6</td>
</tr>
<tr>
<td>C.I. direct green 1, disodium salt</td>
<td>3626-28-6</td>
</tr>
<tr>
<td>C.I. direct green 6, disodium salt</td>
<td>4335-09-5</td>
</tr>
<tr>
<td>C.I. direct green 8, trisodium salt</td>
<td>5422-17-3</td>
</tr>
<tr>
<td>C.I. direct red 1, disodium salt</td>
<td>2429-84-7</td>
</tr>
<tr>
<td>C.I. direct red 28</td>
<td>573-58-0</td>
</tr>
<tr>
<td>C.I. direct red 37</td>
<td>3530-19-6</td>
</tr>
<tr>
<td>C.I. direct violet 22, trisodium salt</td>
<td>6426-67-1</td>
</tr>
<tr>
<td>direct orange 1</td>
<td>13164-93-7</td>
</tr>
<tr>
<td>benzoic acid, 5-[(4'-[(1-amino-4-sulfo-2-naphthalenyl)azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxy-, disodium salt</td>
<td>2429-79-0</td>
</tr>
<tr>
<td>Trypan blue (C.I. direct blue 14)</td>
<td>72-57-1</td>
</tr>
<tr>
<td>benzoic acid, 3,3'-(3,7-disulfo-1,5-naphthalenediyil)bis[azo(6-hydroxy-3,1-phenylene)azo(6(or 7)-sulfo-4,1-naphthalenediyil)azo[1,1'-biphenyl]-4,4'-diylazo)]bis[6-hydroxy-, hexasodium salt</td>
<td>8014-91-3</td>
</tr>
<tr>
<td>salts from 3,3'-dimethoxybenzidine</td>
<td>AL23</td>
</tr>
<tr>
<td>dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diglycollate</td>
<td>74220-10-3</td>
</tr>
<tr>
<td>salts from 3,3'-dimethoxybenzidin</td>
<td>AL23</td>
</tr>
<tr>
<td>2-naphthylammoniumacetat</td>
<td>553-00-4</td>
</tr>
<tr>
<td>1,2-di-o-tolylguanidine, DOTG</td>
<td>97-39-2</td>
</tr>
<tr>
<td>radioactive substances</td>
<td>AL44</td>
</tr>
<tr>
<td>americium-241</td>
<td>14596-10-2</td>
</tr>
<tr>
<td>cesium-137</td>
<td>10045-97-3</td>
</tr>
<tr>
<td>strontium-90</td>
<td>10098-97-2</td>
</tr>
<tr>
<td>plutonium</td>
<td>7440-07-5</td>
</tr>
<tr>
<td>radon / radium</td>
<td>7440-14-4</td>
</tr>
<tr>
<td>thorium</td>
<td>7440-29-1</td>
</tr>
<tr>
<td>thorium dioxide</td>
<td>1314-20-1</td>
</tr>
<tr>
<td>uranium</td>
<td>7440-61-1</td>
</tr>
<tr>
<td>uranium compounds</td>
<td>AL44</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
</tr>
<tr>
<td>toluene</td>
<td>108-88-3</td>
</tr>
<tr>
<td>antimony and its compounds</td>
<td></td>
</tr>
<tr>
<td>antimony</td>
<td>7440-36-0</td>
</tr>
<tr>
<td>stibine ; hydrogen antimonide</td>
<td>7803-52-3</td>
</tr>
<tr>
<td>antimony pentafluoride</td>
<td>7783-70-2</td>
</tr>
<tr>
<td>antimony pentachloride</td>
<td>7647-18-9</td>
</tr>
<tr>
<td>antimony pentoxide</td>
<td>1314-60-9</td>
</tr>
<tr>
<td>antimony pentasulfide</td>
<td>1315-04-4</td>
</tr>
<tr>
<td>antimony trifluoride</td>
<td>7783-56-4</td>
</tr>
<tr>
<td>antimony (III) iodide</td>
<td>7790-44-5</td>
</tr>
<tr>
<td>antimony trichloride</td>
<td>10025-91-9</td>
</tr>
<tr>
<td>antimony trisulfide</td>
<td>1345-04-6</td>
</tr>
<tr>
<td>antimony potassium tartrate, trihydrate</td>
<td>28300-74-5</td>
</tr>
<tr>
<td>antimony trioxide</td>
<td>1309-64-4</td>
</tr>
<tr>
<td>antimony compounds</td>
<td>AL27</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>chromium and its compounds (except hexavalent chromium compounds)</td>
<td></td>
</tr>
<tr>
<td>chromium</td>
<td>7440-47-3</td>
</tr>
<tr>
<td>chromic acetate</td>
<td>1066-30-4</td>
</tr>
<tr>
<td>basic chromic sulfate</td>
<td>64093-79-4</td>
</tr>
<tr>
<td>chromium oxide</td>
<td>1308-38-9</td>
</tr>
<tr>
<td>chromic hydroxide</td>
<td>1308-14-1</td>
</tr>
<tr>
<td>chromium compounds</td>
<td>AL29</td>
</tr>
<tr>
<td>selenium and its compounds</td>
<td></td>
</tr>
<tr>
<td>selenium disulfide</td>
<td>7488-56-4</td>
</tr>
<tr>
<td>barium selenite</td>
<td>13718-59-7</td>
</tr>
<tr>
<td>dihydrogen selenide / hydrogen selenide</td>
<td>7783-07-5</td>
</tr>
<tr>
<td>iron selenide</td>
<td>1310-32-3</td>
</tr>
<tr>
<td>sodium selenite</td>
<td>10102-18-8</td>
</tr>
<tr>
<td>selenium oxide</td>
<td>12640-89-0</td>
</tr>
<tr>
<td>bis(ethylselenyl)diiron tetranitrosyl (6CI)</td>
<td>15025-89-5</td>
</tr>
<tr>
<td>dimethylselenide</td>
<td>593-79-3</td>
</tr>
<tr>
<td>selenium sulfide</td>
<td>7446-34-6</td>
</tr>
<tr>
<td>selenic acid</td>
<td>7783-08-6</td>
</tr>
<tr>
<td>selenious acid</td>
<td>7783-00-8</td>
</tr>
<tr>
<td>selenium</td>
<td>7782-49-2</td>
</tr>
<tr>
<td>selenium dioxide</td>
<td>7446-08-4</td>
</tr>
<tr>
<td>selenium hexafluoride</td>
<td>7783-79-1</td>
</tr>
<tr>
<td>zinc selenide</td>
<td>1315-09-9</td>
</tr>
<tr>
<td>selenium compounds</td>
<td>AL31</td>
</tr>
<tr>
<td>nickel and its compounds</td>
<td></td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(isodecanoato-O)nickel</td>
<td>84852-39-1</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(isononanoato-O)nickel</td>
<td>85508-45-8</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(isooctanoato-O)nickel</td>
<td>84852-38-0</td>
</tr>
<tr>
<td>(2-ethylhexanoato-O)(neodecanoato-O)nickel</td>
<td>85135-77-9</td>
</tr>
<tr>
<td>(isodecanoato-O)(isononanoato-O)nickel</td>
<td>84852-36-8</td>
</tr>
<tr>
<td>(isodecanoato-O)(isoctanoato-O)nickel</td>
<td>85166-19-4</td>
</tr>
<tr>
<td>(isodecanoato-O)(neodecanoato-O)nickel</td>
<td>85508-42-5</td>
</tr>
<tr>
<td>(isononanoato-O)(isoctanoato-O)nickel</td>
<td>85508-46-9</td>
</tr>
<tr>
<td>(isononanoato-O)(neodecanoato-O)nickel</td>
<td>85551-28-6</td>
</tr>
<tr>
<td>(isoctanoato-O)(neodecanoato-O)nickel</td>
<td>84852-35-7</td>
</tr>
<tr>
<td>(neononanoato-O)(neoundecanoato-O)nickel</td>
<td>93920-08-2</td>
</tr>
<tr>
<td>[(\mu\text{-}[[1,1',1'',1''']-\text{benzene}-1,2,4,5-tetrayltetraakis(nitromethylidyne)]\text{naphth}-2-olato\text{[4-]+}}]\text{dinnickel}</td>
<td>22484-07-7</td>
</tr>
<tr>
<td>[(\mu\text{-}\text{carbonato(2-)-O':O''}]]\text{dihydroxydinnickel}</td>
<td>65405-96-1</td>
</tr>
<tr>
<td>[[2,2'-\text{4,8-dichlorobenzo}[1,2-d:4,5-d']\text{bisoxazole}-2,6-diyl]}\text{bis}[4,6\text{-dichlorophenol,ato\text{[2-}\text{]}}]\text{nickel}</td>
<td>47726-62-5</td>
</tr>
<tr>
<td>[[2,2'-\text{Thiobis[3-octylphenol,ato\text{[2-}\text{]}}]}\text{S}\text{dinnickel}</td>
<td>33882-09-6</td>
</tr>
<tr>
<td>[[N,N',N'',N'''\text{-[29H,31H-Phthalocyaninetetrayltetraakis(sulphonylimino-3,1-phenylene)}\text{tetraakis[3-oxobutyramidato]}\text{[2-}\text{]}\text{N}_2\text{N}_2\text{N}_3\text{N}_3\text{N}_3\text{]nickel}</td>
<td>97404-22-3</td>
</tr>
<tr>
<td>[[N,N',N'',N'''\text{-[29H,31H-Phthalocyaninimetrylitr}(\text{tris(sulphonylimino-3,1-phenylene)}\text{itr}(3\text{-oxobutyramidato})\text{[2-}\text{]}\text{N}_2\text{N}_2\text{N}_3\text{N}_3\text{N}_3\text{]nickel}</td>
<td>97404-21-2</td>
</tr>
<tr>
<td>[[2,3]'\text{bis}[[2\text{-hydroxyphenyl}]methylenjamine]but-2-eninitriilato\text{[2-]}\text{N}_2\text{N}_3\text{O}_2\text{O}_3\text{]nickel}</td>
<td>64696-98-6</td>
</tr>
<tr>
<td>1,2,3-propanetricarboxylic acid, 2-hydroxy-, ammonium nickel(2+) salt (2:2:1)</td>
<td>68025-13-8</td>
</tr>
<tr>
<td>1,2,3-propanetricarboxylic acid, 2-hydroxy-, nickel(2+) salt (2:3)</td>
<td>6018-92-4</td>
</tr>
<tr>
<td>1,2,3-propanetriol, 1-(dihydrogen phosphate), nickel(2+) salt (1:1)</td>
<td>68391-37-7</td>
</tr>
<tr>
<td>1,2,3-propanetriol, monodihydrogen phosphate, nickel(2+) salt (1:1)</td>
<td>67952-69-6</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, 3,4,5,6-tetrambrom-, nickel(2+) salt (1:1)</td>
<td>18824-79-8</td>
</tr>
<tr>
<td>2,7-naphthalenedisulfonic acid, nickel(2+) salt (1:1)</td>
<td>72319-19-8</td>
</tr>
<tr>
<td>2-ethylhexanoic acid, nickel salt</td>
<td>7580-31-6</td>
</tr>
<tr>
<td>acetic acid, nickel(2+) salt, polymer with formaldehyde and 4-(1,1,3,3-tetramethylbutyl)phenol,</td>
<td>71050-57-2</td>
</tr>
<tr>
<td>aluminum boron cobalt lithium nickel oxide</td>
<td>207803-51-8</td>
</tr>
<tr>
<td>aluminum cobalt lithium nickel oxide</td>
<td>193214-24-3</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminum nickel oxide (Al2NiO4)</td>
<td>12004-35-2</td>
</tr>
<tr>
<td>aluminum, compound with nickel (1:1)</td>
<td>12003-78-0</td>
</tr>
<tr>
<td>aluminum, triethyl-, reaction products with nickel(2+) bis(2-ethylhexanoate)</td>
<td>79357-65-6</td>
</tr>
<tr>
<td>antimony oxide (Sb2O3), solid solution with nickel oxide (NiO) and titanium oxide (TiO2)</td>
<td>73892-02-1</td>
</tr>
<tr>
<td>antimony, compound with nickel (1:1)</td>
<td>12035-52-8</td>
</tr>
<tr>
<td>antimony, compound with nickel (1:3)</td>
<td>12503-49-0</td>
</tr>
<tr>
<td>benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)</td>
<td>55868-93-4</td>
</tr>
<tr>
<td>benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1)</td>
<td>52625-25-9</td>
</tr>
<tr>
<td>bis(1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel</td>
<td>14949-69-0</td>
</tr>
<tr>
<td>bis(1,5-cyclooctadiene)nickel</td>
<td>1295-35-8</td>
</tr>
<tr>
<td>bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel</td>
<td>85586-46-5</td>
</tr>
<tr>
<td>bis(1-nitroso-2-naphtholato)nickel</td>
<td>12794-26-2</td>
</tr>
<tr>
<td>bis(4-benzoyl-2,4-dihydropyrrol-5-yl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel</td>
<td>73892-02-1</td>
</tr>
<tr>
<td>bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel</td>
<td>79121-51-0</td>
</tr>
<tr>
<td>bis(5-oxo-DL-prolinato-N1,O2)nickel</td>
<td>69524-96-5</td>
</tr>
<tr>
<td>bis(5-oxo-L-prolinato-N1,O2)nickel</td>
<td>85026-81-9</td>
</tr>
<tr>
<td>bis(butanedione dioximato)nickel</td>
<td>70824-02-1</td>
</tr>
<tr>
<td>bis(D-gluconato-O1,O2)nickel</td>
<td>13478-93-8</td>
</tr>
<tr>
<td>bis(diethylthiocarbamato-S,S'nickel</td>
<td>71957-07-8</td>
</tr>
<tr>
<td>bis(quinolin-8-olato-N1,O8)nickel</td>
<td>52610-81-8</td>
</tr>
<tr>
<td>bis(2-hydroxyethyl)thiocarbamato-S,S'nickel</td>
<td>14100-15-3</td>
</tr>
<tr>
<td>bis[2-hydroxy-4(octyloxy)benzophenonato]nickel</td>
<td>52486-98-3</td>
</tr>
<tr>
<td>bis[2-hydroxyethyl]thiocarbamato-S,S'nickel</td>
<td>15843-91-1</td>
</tr>
<tr>
<td>bis[di(S,S'-dimethylthiophenyl)]thiocarbamato-S,S'nickel</td>
<td>52486-99-4</td>
</tr>
<tr>
<td>bis[di(3,5,5-trimethylthiophenyl)]thiocarbamato-S,S'nickel</td>
<td>84604-95-5</td>
</tr>
<tr>
<td>bis[N(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butramidato-N2,N3]nickel</td>
<td>85269-39-2</td>
</tr>
<tr>
<td>bis[N(2-hydroxyethyl)-N-methylglycinato-N,O]nickel</td>
<td>76625-10-0</td>
</tr>
<tr>
<td>bismuth, compound with nickel (1:1)</td>
<td>12688-64-1</td>
</tr>
<tr>
<td>butanedioic acid, 2,3-dihydroxy- [R-(R*,R*)]-, nickel(2+) salt (2:1)</td>
<td>67952-41-4</td>
</tr>
<tr>
<td>C.I. Reactive green 12</td>
<td>72152-45-5</td>
</tr>
<tr>
<td>cobalt lithium manganese nickel oxide</td>
<td>182442-95-1</td>
</tr>
<tr>
<td>carbonic acid, nickel salt</td>
<td>16337-84-1</td>
</tr>
<tr>
<td>carbonic acid, nickel(2+) salt (2:1)</td>
<td>17237-93-3</td>
</tr>
<tr>
<td>cassiterite, cobalt manganese nickel grey</td>
<td>99749-23-2</td>
</tr>
<tr>
<td>chloric acid, nickel(2+) salt</td>
<td>67952-43-6</td>
</tr>
<tr>
<td>citric acid , ammonium nickel salt</td>
<td>18283-82-4</td>
</tr>
<tr>
<td>citric acid, nickel salt</td>
<td>22605-92-1</td>
</tr>
<tr>
<td>cobalt molybdenum nickel oxide (CoMo2NiO8)</td>
<td>68016-03-5</td>
</tr>
<tr>
<td>cobalt nickel oxide (CoNiO2)</td>
<td>58591-45-0</td>
</tr>
<tr>
<td>cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]</td>
<td>94232-44-7</td>
</tr>
<tr>
<td>copper(2+), bis(1,2-ethenediamine-N,N'), (SP-4-1)-tetrakis(cyan-C)nickelate(2+) (1:1)</td>
<td>63427-32-7</td>
</tr>
<tr>
<td>copper, compound with lanthanum and nickel (4:1:1)</td>
<td>51912-52-8</td>
</tr>
<tr>
<td>cyclohexanetartaric acid, nickel(2+) salt</td>
<td>3906-55-6</td>
</tr>
<tr>
<td>di-.mu.-carbonylbis(eta.5-2,4-cyclopentadien-1-yl)dinickel</td>
<td>12170-92-2</td>
</tr>
<tr>
<td>diammonium tetraenicolinate(2-)</td>
<td>99587-11-8</td>
</tr>
<tr>
<td>dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]</td>
<td>94232-84-5</td>
</tr>
<tr>
<td>diiron nickel tetraoxide</td>
<td>12168-54-6</td>
</tr>
<tr>
<td>diiron nickel zinc tetraoxide</td>
<td>97435-21-7</td>
</tr>
<tr>
<td>dimethylhexanoic acid, nickel salt</td>
<td>93983-68-7</td>
</tr>
<tr>
<td>dinickel hexacyanoferate</td>
<td>14874-78-3</td>
</tr>
<tr>
<td>dinickel orthosilicate</td>
<td>13775-54-7</td>
</tr>
<tr>
<td>diphosphoric acid, nickel(2+) salt</td>
<td>19372-20-4</td>
</tr>
<tr>
<td>diphosphoric acid, nickel(2+) salt (1:2)</td>
<td>14448-18-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>dipotassium tetrafluoronickelate(2-)</td>
<td>13859-60-4</td>
</tr>
<tr>
<td>dipotassium tris(cyano-c)nickelate(2-)</td>
<td>39049-81-5</td>
</tr>
<tr>
<td>dysprosium, compound with nickel (1:2)</td>
<td>12175-27-8</td>
</tr>
<tr>
<td>ethanedioic acid, nickel(2+) salt (1:1)</td>
<td>547-67-1</td>
</tr>
<tr>
<td>ethyl hydrogen sulphate, nickel(2+) salt</td>
<td>71720-48-4</td>
</tr>
<tr>
<td>fatty acids, C6-19-branched, nickel salts</td>
<td>91697-41-5</td>
</tr>
<tr>
<td>fatty acids, C8-18 and C18-unsaturated, nickel salts</td>
<td>84776-45-4</td>
</tr>
<tr>
<td>formic acid, copper nickel salt</td>
<td>68134-59-8</td>
</tr>
<tr>
<td>formic acid, nickel(2+) salt</td>
<td>3349-06-2</td>
</tr>
<tr>
<td>hexaamminenickel(2+) bis[tetrafluoroborate(1-)]</td>
<td>13877-20-8</td>
</tr>
<tr>
<td>hexanoic acid, 2-ethyl-, nickel(2+) salt</td>
<td>4454-16-4</td>
</tr>
<tr>
<td>iron alloy, base,(Fe.Ni)(ferronickel)</td>
<td>11133-76-9</td>
</tr>
<tr>
<td>isononanoic acid, nickel(2+) salt</td>
<td>84852-37-9</td>
</tr>
<tr>
<td>lanthanum, compound with nickel (1:5)</td>
<td>12196-72-4</td>
</tr>
<tr>
<td>leach residues, nickel-vanadium ore - residues from basic leaching of nickel-bearing vanadium ores. Composed primarily of silica and insoluble compounds of nickel and vanadium with minor quantities of other metals, such as arsenic, lead, tin and zinc.</td>
<td>84144-92-3</td>
</tr>
<tr>
<td>lithium nickel oxide (liniO2)</td>
<td>12031-65-1</td>
</tr>
<tr>
<td>molybdenum nickel oxide</td>
<td>12673-58-4</td>
</tr>
<tr>
<td>molybdenum nickel oxide (MoNiO4)</td>
<td>14177-55-0</td>
</tr>
<tr>
<td>naphthenic acids, nickel salts</td>
<td>61788-71-4</td>
</tr>
<tr>
<td>neodecanoic acid, nickel salt</td>
<td>51818-56-5</td>
</tr>
<tr>
<td>nickel</td>
<td>7440-02-0</td>
</tr>
<tr>
<td>nickel [R(R*,R*)]-tartrate</td>
<td>52022-10-3</td>
</tr>
<tr>
<td>nickel acetate</td>
<td>14998-37-9</td>
</tr>
<tr>
<td>nickel di(acetate) tetrahydrate / nickel acetate tetrahydrate</td>
<td>6018-89-9</td>
</tr>
<tr>
<td>nickel acrylate</td>
<td>51222-18-5</td>
</tr>
<tr>
<td>nickel alloy, base , Ni,Al</td>
<td>12635-29-9</td>
</tr>
<tr>
<td>nickel ammonium sulfate</td>
<td>15699-18-0</td>
</tr>
<tr>
<td>nickel arsenide (NiAs)</td>
<td>27016-75-7</td>
</tr>
<tr>
<td>C.I. Pigment Yellow 157 (Nickel barium titanium priderite)</td>
<td>68610-24-2</td>
</tr>
<tr>
<td>nickel bis(benzenesulphonate)</td>
<td>39819-65-3</td>
</tr>
<tr>
<td>nickel bis(dihydrogen phosphate)</td>
<td>18718-11-1</td>
</tr>
<tr>
<td>nickel bis(phosphinate)</td>
<td>14507-36-9</td>
</tr>
<tr>
<td>nickel bis(piperidine-1-carbodithioate)</td>
<td>41476-75-9</td>
</tr>
<tr>
<td>nickel bisphosphinate</td>
<td>36026-88-7</td>
</tr>
<tr>
<td>nickel boride</td>
<td>12619-90-8</td>
</tr>
<tr>
<td>nickel boride (Ni2B)</td>
<td>12007-01-1</td>
</tr>
<tr>
<td>nickel boride (Ni3B)</td>
<td>12007-02-2</td>
</tr>
<tr>
<td>nickel boride (NiB)</td>
<td>12007-00-0</td>
</tr>
<tr>
<td>nickel bromide (NiBr2)</td>
<td>13462-88-9</td>
</tr>
<tr>
<td>nickel bromide (NiBr2), trihydrate</td>
<td>7789-49-3</td>
</tr>
<tr>
<td>nickel carbide</td>
<td>12710-36-0</td>
</tr>
<tr>
<td>nickel carbonate</td>
<td>3333-67-3</td>
</tr>
<tr>
<td>nickel carbonyl</td>
<td>12612-55-4</td>
</tr>
<tr>
<td>nickel carbonyl</td>
<td>13463-39-3</td>
</tr>
<tr>
<td>nickel chloride</td>
<td>37211-05-5</td>
</tr>
<tr>
<td>nickel cyanide</td>
<td>557-19-7</td>
</tr>
<tr>
<td>nickel diarsenide</td>
<td>12068-61-0</td>
</tr>
<tr>
<td>nickel dibenzoate</td>
<td>553-71-9</td>
</tr>
<tr>
<td>nickel dibromate</td>
<td>14550-87-9</td>
</tr>
<tr>
<td>nickel dihydroxide hydrate</td>
<td>36897-37-7</td>
</tr>
<tr>
<td>nickel bis(dimethylthiocarbamate) / nickel dimethylthiocarbamate</td>
<td>15521-65-0</td>
</tr>
<tr>
<td>nickel dipotassium bis(sulphate)</td>
<td>13842-46-1</td>
</tr>
<tr>
<td>nickel dithiocyanate</td>
<td>13689-92-4</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>nickel fluoride (NiF2)</td>
<td>10028-18-9</td>
</tr>
<tr>
<td>nickel fluoride (NiF2), tetrahydrate</td>
<td>13940-83-5</td>
</tr>
<tr>
<td>nickel formate</td>
<td>15843-02-4</td>
</tr>
<tr>
<td>nickel hydrogen phosphate</td>
<td>14332-34-4</td>
</tr>
<tr>
<td>nickel hydroxide</td>
<td>11113-74-9</td>
</tr>
<tr>
<td>nickel hydroxide</td>
<td>12054-48-7</td>
</tr>
<tr>
<td>nickel hydroxide</td>
<td>12125-56-3</td>
</tr>
<tr>
<td>nickel isoctanoate</td>
<td>27637-46-3</td>
</tr>
<tr>
<td>nickel methacrylate</td>
<td>94275-78-2</td>
</tr>
<tr>
<td>nickel nitrate</td>
<td>14216-75-2</td>
</tr>
<tr>
<td>nickel nitrate / nickel nitrate (2+ salt)</td>
<td>13138-45-9</td>
</tr>
<tr>
<td>nickel nitrite</td>
<td>17861-62-0</td>
</tr>
<tr>
<td>nickel oxide</td>
<td>11099-02-8</td>
</tr>
<tr>
<td>nickel monoxide / nickel oxide</td>
<td>1313-99-1</td>
</tr>
<tr>
<td>dinickel trioxide / nickel oxide (Ni2O3)</td>
<td>1314-06-3</td>
</tr>
<tr>
<td>nickel oxide (NiO2)</td>
<td>12035-36-8</td>
</tr>
<tr>
<td>nickel perchlorate</td>
<td>13637-71-3</td>
</tr>
<tr>
<td>nickel phosphate (Ni2P)</td>
<td>12035-64-2</td>
</tr>
<tr>
<td>nickel potassium cyanide</td>
<td>14220-17-8</td>
</tr>
<tr>
<td>nickel selenate</td>
<td>15060-62-5</td>
</tr>
<tr>
<td>nickel selenide</td>
<td>1314-05-2</td>
</tr>
<tr>
<td>nickel silicide (Ni2Si)</td>
<td>12059-14-2</td>
</tr>
<tr>
<td>nickel silicide (NiSi)</td>
<td>12035-57-3</td>
</tr>
<tr>
<td>nickel silicide (NiSi2)</td>
<td>12201-89-7</td>
</tr>
<tr>
<td>nickel subsulfide</td>
<td>12035-72-2</td>
</tr>
<tr>
<td>nickel sulfate</td>
<td>7786-81-4</td>
</tr>
<tr>
<td>nickel sulfide (Ni2S3)</td>
<td>12259-56-2</td>
</tr>
<tr>
<td>nickel sulfide (NiS)</td>
<td>16812-54-7</td>
</tr>
<tr>
<td>nickel telluride</td>
<td>12142-88-0</td>
</tr>
<tr>
<td>nickel tin trioxide</td>
<td>12035-38-0</td>
</tr>
<tr>
<td>nickel titanium oxide</td>
<td>12035-39-1</td>
</tr>
<tr>
<td>nickel titanium oxide</td>
<td>12653-76-8</td>
</tr>
<tr>
<td>nickel titanium tungsten oxide (NiTi20W2O47)</td>
<td>69011-05-8</td>
</tr>
<tr>
<td>nickel tungsten oxide (NiWO4)</td>
<td>14177-51-6</td>
</tr>
<tr>
<td>nickel uranium oxide (NiU3O10)</td>
<td>15780-33-3</td>
</tr>
<tr>
<td>nickel uranyl tetraacetate, of uranium depleted in uranium-235</td>
<td>71767-12-9</td>
</tr>
<tr>
<td>nickel vanadium oxide (NiV2O6)</td>
<td>52502-12-2</td>
</tr>
<tr>
<td>nickel zirconium oxide (NiZrO3)</td>
<td>70692-93-2</td>
</tr>
<tr>
<td>nickel(1+), [1-(2-amino-4-imino-5(4H)-thiazolylidene)-N-[1-(2-amino-4-imino-5(4H)-thiazolylidene)-1H-isoindol-3-yl]-1H-isoindol-3-aminato]-, chloride</td>
<td>53199-85-2</td>
</tr>
<tr>
<td>nickel(2+), acrylate</td>
<td>60700-37-0</td>
</tr>
<tr>
<td>nickel(2+) hiydrogen citrate</td>
<td>18721-51-2</td>
</tr>
<tr>
<td>nickel(2+) methacrylate</td>
<td>52496-91-0</td>
</tr>
<tr>
<td>nickel(2+) neodecanoate</td>
<td>85508-44-7</td>
</tr>
<tr>
<td>nickel(2+) neononanoate</td>
<td>93920-10-6</td>
</tr>
<tr>
<td>nickel(2+) neoundecanoate</td>
<td>93920-09-3</td>
</tr>
<tr>
<td>nickel(2+) olete</td>
<td>13001-15-5</td>
</tr>
<tr>
<td>nickel(2+) palmitate</td>
<td>13654-40-5</td>
</tr>
<tr>
<td>nickel(2+) propionate</td>
<td>3349-08-4</td>
</tr>
<tr>
<td>nickel(2+) selenite</td>
<td>10101-96-9</td>
</tr>
<tr>
<td>nickel(2+) silicate</td>
<td>21784-78-1</td>
</tr>
<tr>
<td>nickel(2+) sulphite</td>
<td>7757-95-1</td>
</tr>
<tr>
<td>nickel(2+) trifluoroacetate</td>
<td>16083-14-0</td>
</tr>
<tr>
<td>nickel(2+), bis(1,2-ethanediame-N,N')-, bis[bis(cyano-C)aurate(1-)]</td>
<td>68958-89-4</td>
</tr>
<tr>
<td>nickel(2+), bis(1,2-ethanediame-N,N')-, salt with dimethylbenzenesulfonic acid (1:2)</td>
<td>71215-98-0</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>nickel(2+), bis(1,2-propanediamine)-, bis[dicyanoaurate(1-)]</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), bis(ethylenediamine)-, sulfate (1:1)</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), hexaammine-, (OC-6-11)-, diformate</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), hexakis(1H-imidazole-N3)-, (OC-6-11)-, 1,2-benzenedicarboxylate (1:1)</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), tris(1,2-ethanediamine-N,N')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, bis[tetrafluoroborate(1-)]</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)-, (OC-6-11)-, dinitrate</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), hexaammine-, (OC-6-11)-, carbonate (1:1)</td>
<td></td>
</tr>
<tr>
<td>nickel(2+), hexaammine-, dihydroxide, (OC-6-11)-</td>
<td></td>
</tr>
<tr>
<td>nickel(II) acetate</td>
<td></td>
</tr>
<tr>
<td>nickel chloride / nickel(II) chloride</td>
<td></td>
</tr>
<tr>
<td>nickel chloride hexahydrate (1:2:6)</td>
<td></td>
</tr>
<tr>
<td>nickel(II) fluoborate</td>
<td></td>
</tr>
<tr>
<td>nickel(II) fluosilicate</td>
<td></td>
</tr>
<tr>
<td>nickel(II) fumarate</td>
<td></td>
</tr>
<tr>
<td>nickel(II) iodide</td>
<td></td>
</tr>
<tr>
<td>nickel(II) isodecanoate</td>
<td></td>
</tr>
<tr>
<td>nickel(II) isooccanoate</td>
<td></td>
</tr>
<tr>
<td>nickel, (2-ethylhexanoato-O)(trifluoroacetato-O)-</td>
<td></td>
</tr>
<tr>
<td>nickel, (2-propano[1,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenol,ato][2-])O,O',S]-</td>
<td></td>
</tr>
<tr>
<td>nickel, (carbonato(2-))tetrahydroxytri-, tetrahydrate</td>
<td></td>
</tr>
<tr>
<td>nickel, [2-amino-2-oxoethoxy]acetato(2-)-</td>
<td></td>
</tr>
<tr>
<td>nickel, [mu.-piperazine-N1:N4][3][1-{(4,5,6,7-tetrachloro-1-oxo-1H-isoisindol-3-yl)hydrazono}ethyl]-2,4(1H,3H-quinolinodiodionato(2-)]2-l</td>
<td></td>
</tr>
<tr>
<td>nickel, [[1,1'-[1,2-phenylenes(nitrilomethylidyne)]bis<a href="2-">2-naphthalenolato</a>]N,N',O,O',YP</td>
<td></td>
</tr>
<tr>
<td>nickel, [(2,2'-[methylenebis(thio)]bis[acetato(2-)]2-l</td>
<td></td>
</tr>
<tr>
<td>nickel, [(2,2'-sulfonyl]bis[4-(1,1,3,3-tetramethylbutyl)phenol,ato][2-])O,O',O2]-</td>
<td></td>
</tr>
<tr>
<td>nickel, [1,3-dihydro-5,6-bis[[2-hydroxy-1-naphthalenyl]methylene]aminoy2,4-benzimidazol-2-onato(2-)]N5,N6,O5,O6,-</td>
<td></td>
</tr>
<tr>
<td>nickel, [29H,31H-phthalocyaninato(2-)]N29,N30,N31,N32,-, (SP-4-1)-</td>
<td></td>
</tr>
<tr>
<td>nickel, [29H,31H-phthalocyaninato(2-)]N29,N30,N31,N32,-, [3-[5-chloro-2,6-difluoro-4-pyrimidinyl]aminoy2,4-benzimidazol-2-onato(2-)]N5,N6,O5,O6,-, (SP-4-2)-</td>
<td></td>
</tr>
<tr>
<td>nickel, [29H,31H-phthalocyaninato(2-)]N29,N30,N31,N32,-, chlorosulfonyl derivitives, reaction products with 2-[4-aminophenyl]sulfonyl[ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compounds with pyridine</td>
<td></td>
</tr>
<tr>
<td>nickel, [2-hydroxybenzoic acid 3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoisindol-1-ylidene]hydrazidato(2-)]-</td>
<td></td>
</tr>
<tr>
<td>nickel, [carbonato(2-)]hexahydroxyteta-</td>
<td></td>
</tr>
<tr>
<td>nickel, [N-(4-chlorophenyl)-2-[3-[1-[4-(chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]methylene]hydrazino]-1H-isoisindol-1-ylidene]-2-cyanoacetamidato(2-)]-</td>
<td></td>
</tr>
<tr>
<td>nickel, [N-(carboxymethyl)glycinato(2-)]N,O,ON]-</td>
<td></td>
</tr>
<tr>
<td>nickel, 2,2'-thiobis[4-nonylphenol] complexes</td>
<td></td>
</tr>
<tr>
<td>nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes</td>
<td></td>
</tr>
<tr>
<td>nickel, acetylacetone 6-methyl-2,4-heptanedione complexes</td>
<td></td>
</tr>
<tr>
<td>nickel, aqua[2-[4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]benzoato(2-)]-</td>
<td></td>
</tr>
<tr>
<td>nickel, bis[2,4-pentanedionato-O,O',]N,O',O'-, (SP-4-1)-</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>nickel, bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)-</td>
<td>68912-08-3</td>
</tr>
<tr>
<td>nickel, bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximato-O,N)</td>
<td>70833-37-3</td>
</tr>
<tr>
<td>nickel, bis(dibutylcarbamodithioato-S,S')-, (SP-4-1)-</td>
<td>13927-77-0</td>
</tr>
<tr>
<td>nickel, bis(diethylcarbamodithioato-S,S')-, (SP-4-1)-</td>
<td>14267-17-5</td>
</tr>
<tr>
<td>nickel, bis(diisononylcarbamodithioato-)</td>
<td>85298-61-9</td>
</tr>
<tr>
<td>nickel, bis(dipentylcarbamodithioato-S,S')-, (SP-4-1)-</td>
<td>36259-37-7</td>
</tr>
<tr>
<td>nickel, bis(phenyldiazenecarbothioic acid 2-phenylhydrazidato)-</td>
<td>36545-21-8</td>
</tr>
<tr>
<td>nickel, bis[(2-hydroxy-4-octylphenyl)phenylmethanonato-O,O']-</td>
<td>68189-15-1</td>
</tr>
<tr>
<td>nickel, bis[(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-</td>
<td>83864-02-2</td>
</tr>
<tr>
<td>nickel, bis[<a href="2">(didecyl (1,2-dicyano-1,2-ethenediyl)bis[carbamato]</a>-]</td>
<td>77245-35-3</td>
</tr>
<tr>
<td>nickel, bis[1,2-bis(4-methoxyphenyl)-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-</td>
<td>38951-97-2</td>
</tr>
<tr>
<td>nickel, bis[1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-</td>
<td>28984-20-5</td>
</tr>
<tr>
<td>nickel, bis[1-(4-(diethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-</td>
<td>51449-18-4</td>
</tr>
<tr>
<td>nickel, bis[1-(4-(dimethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-</td>
<td>38465-55-3</td>
</tr>
<tr>
<td>nickel, bis(2-hydroxy-4-octylphenyl)phenylmethanonato-O,O'-</td>
<td>68189-15-1</td>
</tr>
<tr>
<td>nickel, bis(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-</td>
<td>83864-02-2</td>
</tr>
<tr>
<td>nickel, bis[(dicyclohexyl-1,2-ethenedithiolato)(2)-S,S']- (OC-6-21)-</td>
<td>67906-12-1</td>
</tr>
<tr>
<td>nickel, bis[1,2-bis(4-methoxyphenyl)-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-</td>
<td>38951-97-2</td>
</tr>
<tr>
<td>nickel, bis[1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-</td>
<td>28984-20-5</td>
</tr>
<tr>
<td>nickel, bis[1-(4-(diethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-</td>
<td>51449-18-4</td>
</tr>
<tr>
<td>nickel, bis[1-(4-(diethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-</td>
<td>38465-55-3</td>
</tr>
<tr>
<td>nickel, bis(2-hydroxy-4-octylphenyl)phenylmethanonato-O,O'-</td>
<td>68189-15-1</td>
</tr>
<tr>
<td>nickel, bis(cyano-C)triphenylborato(1-)-N]bis(hexanedinitrile-N,N')-</td>
<td>83864-02-2</td>
</tr>
<tr>
<td>nickel, bis[(dicyclohexyl-1,2-ethenedithiolato)(2)-S,S']- (OC-6-21)-</td>
<td>67906-12-1</td>
</tr>
<tr>
<td>nickel, bis[1,2-bis(4-methoxyphenyl)-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-</td>
<td>38951-97-2</td>
</tr>
<tr>
<td>nickel, bis[1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, (SP-4-1)-</td>
<td>28984-20-5</td>
</tr>
<tr>
<td>nickel, bis[1-(4-(diethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-</td>
<td>51449-18-4</td>
</tr>
<tr>
<td>nickel, bis[1-(4-(dimethylamino)phenyl)-2-phenyl-1,2-ethenedithiolato(2-)-S,S']-</td>
<td>38465-55-3</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)], triammonium, (T-4)-</td>
<td>68025-40-1</td>
</tr>
<tr>
<td>nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)], tripotassium, (T-4)-</td>
<td>63597-34-2</td>
</tr>
<tr>
<td>nickelate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)], triammonium, (T-4)-</td>
<td>68025-41-2</td>
</tr>
<tr>
<td>nickelate(4-), <a href="5-">[nitritoltris(methylene)]tris[phosphonato]</a>-N29,N30,N31,N32]-, tetrapotassium, (T-4)-</td>
<td>63588-33-0</td>
</tr>
<tr>
<td>nickelate(4-), <a href="5-">[nitritoltris(methylene)]tris[phosphonato]</a>-N29,N30,N31,N32]-, triammonium, (T-4)-</td>
<td>68052-00-6</td>
</tr>
<tr>
<td>nickelate(4-), [4-[[5-[[3,6-dichloro-4-pyridazinyl]carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexahydrogen</td>
<td>68698-80-6</td>
</tr>
<tr>
<td>nickelate(4-), [C-[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-sulfo-5-[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, nickelate(6-), [<a href="8-">1,2-ethanediylbis[nitritolbis(methylene)]tetrakis[phosphonato]</a>], pentaammonium hydrogen,(OC-6-21)-</td>
<td>68958-86-1</td>
</tr>
<tr>
<td>nickelate(6-), [<a href="8-">1,2-ethanediylbis[nitritolbis(methylene)]tetrakis[phosphonato]</a>], pentapotassium hydrogen,(OC-6-21)-</td>
<td>68958-87-2</td>
</tr>
<tr>
<td>nickelate(6-), [<a href="8-">1,2-ethanediylbis[nitritolbis(methylene)]tetrakis[phosphonato]</a>], pentasodium hydrogen,(OC-6-21)-</td>
<td>68958-88-3</td>
</tr>
<tr>
<td>nickelate(8-), bis-[2-(amino-8-hydroxy-6-sulfo-1-naphthalenyl)azo]-2-hydroxy-5-sulfobenzoato(5-)]-, hexasodium dihydrogen</td>
<td>72139-08-3</td>
</tr>
<tr>
<td>nickelocene</td>
<td>1271-28-9</td>
</tr>
<tr>
<td>octadecanoic acid, nickel(2+) salt</td>
<td>2223-95-2</td>
</tr>
<tr>
<td>octanoic acid, nickel(2+) salt</td>
<td>4995-91-9</td>
</tr>
<tr>
<td>Oxalic acid, nickel salt</td>
<td>20543-06-0</td>
</tr>
<tr>
<td>perchloric acid, nickel(2+) salt, hexahydrate</td>
<td>13520-61-1</td>
</tr>
<tr>
<td>phosphonic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]-, monoethyl ester, nickel(2+) salt (2:1)</td>
<td>30947-30-9</td>
</tr>
<tr>
<td>phosphoric acid, calcium nickel salt</td>
<td>17169-61-8</td>
</tr>
<tr>
<td>nickel phosphate / phosphoric acid, nickel(2+) salt (2:3)</td>
<td>10381-36-9</td>
</tr>
<tr>
<td>potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']nickelate(1-)</td>
<td>63640-18-6</td>
</tr>
<tr>
<td>Rammelsbergite (NiAs2)</td>
<td>1303-22-6</td>
</tr>
<tr>
<td>silicic acid (H2SiO3), nickel(2+) salt (4:3)</td>
<td>31748-25-1</td>
</tr>
<tr>
<td>Spinels, cobalt nickel zinc grey</td>
<td>95046-47-2</td>
</tr>
<tr>
<td>Sulfamic acid, nickel(2+) salt (2:1)</td>
<td>13770-89-3</td>
</tr>
<tr>
<td>sulfuric acid, ammonium nickel(2+) salt</td>
<td>7785-20-8</td>
</tr>
<tr>
<td>sulfuric acid, nickel salt, reaction products with sulfurized calcium phenolate</td>
<td>72162-32-4</td>
</tr>
<tr>
<td>nickel(II) sulfate heptahydrate / sulfuric acid, nickel(2+) salt (1:1), heptahydrate</td>
<td>10101-98-1</td>
</tr>
<tr>
<td>sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO)</td>
<td>68585-48-8</td>
</tr>
<tr>
<td>telluric acid (H2TeO3), nickel(2+) salt (1:1)</td>
<td>15851-52-2</td>
</tr>
<tr>
<td>Telluric acid (H2TeO4), nickel(2+) salt (1:1)</td>
<td>15852-21-8</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>Titane(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)-</td>
<td>34109-80-3</td>
</tr>
<tr>
<td>trinickel bis[arsenate]</td>
<td>13477-70-8</td>
</tr>
<tr>
<td>Zirconate(2-), hexafluoro-, nickel(2+) (1:1), (OC-6-11)-</td>
<td>30868-55-4</td>
</tr>
<tr>
<td>Zirconium alloy, base, Zr 40-82, Ni 18-60</td>
<td>42612-06-6</td>
</tr>
<tr>
<td>Aluminiummagnesiumnickelsiliziumoxide</td>
<td>198831-12-8</td>
</tr>
<tr>
<td>antimony nickel titanium oxide yellow</td>
<td>8007-18-9</td>
</tr>
<tr>
<td>iron nickel zinc oxide</td>
<td>12645-50-0</td>
</tr>
<tr>
<td>methyl 3-chlorobenzothioephene-2-carboxylate</td>
<td>14406-71-4</td>
</tr>
<tr>
<td>5,5-azobis(2,4,6-pyrimidinetriol), nickel complex</td>
<td>68511-62-6</td>
</tr>
<tr>
<td>chrome iron nickel black spinel</td>
<td>71631-15-7</td>
</tr>
<tr>
<td>nickel niobium titanium yellow rutile</td>
<td>68611-43-8</td>
</tr>
<tr>
<td>nickel phosphate</td>
<td>14396-43-1</td>
</tr>
<tr>
<td>nickel sulfide</td>
<td>11113-75-0</td>
</tr>
<tr>
<td>phosphoric acid, compounds, nickel(2+) zinc salt (2:1:2)</td>
<td>90053-13-7</td>
</tr>
<tr>
<td>phosphoric acid, compounds, nickel(2+) zinc salt (2:1:2) tetrahydrate</td>
<td>501953-51-1</td>
</tr>
<tr>
<td>nickel compounds</td>
<td>AL34</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>arsenic and its compounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>monoammonium methane arsonate</td>
</tr>
<tr>
<td>dimethylarsinic acid ; cacodylic acid</td>
</tr>
<tr>
<td>benzenearsonic acid</td>
</tr>
<tr>
<td>arsenic pentafluoride</td>
</tr>
<tr>
<td>arsenic pentachloride</td>
</tr>
<tr>
<td>arsenic disulfide</td>
</tr>
<tr>
<td>2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate</td>
</tr>
<tr>
<td>2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate</td>
</tr>
<tr>
<td>4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate</td>
</tr>
<tr>
<td>6,6'-dihydroxy-3,3'-diarsene-1,2-diyldianilinium dichloride</td>
</tr>
<tr>
<td>aluminum arsenide (AlAs)</td>
</tr>
<tr>
<td>aluminum gallium arsenide ((Al,Ga)As)</td>
</tr>
<tr>
<td>ammonium arsenate</td>
</tr>
<tr>
<td>ammonium-magnesium-arsenat</td>
</tr>
<tr>
<td>antimony arsenate</td>
</tr>
<tr>
<td>antimony arsenic oxide</td>
</tr>
<tr>
<td>antimony arsenide (Sb3As)</td>
</tr>
<tr>
<td>antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3)</td>
</tr>
<tr>
<td>arsenargentite (Ag3As)</td>
</tr>
<tr>
<td>arsenate(1-), hexafluoro-, hydrogen</td>
</tr>
<tr>
<td>arsenate(1-), hexafluoro-, lithium</td>
</tr>
<tr>
<td>arsenate(1-), hexafluoro-, potassium</td>
</tr>
<tr>
<td>arsenate, dimethyl, sodium</td>
</tr>
<tr>
<td>arsenenous acid, lithium salt</td>
</tr>
<tr>
<td>arsenic acid</td>
</tr>
<tr>
<td>arsenic acid</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), ammonium copper(2+) salt (1:1:1)</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), barium salt (2:3)</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), bismuth salt (1:1)</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), cobalt(2+) salt (2:5)</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), copper salt</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), copper(2+) salt (2:3)</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), dipotassium salt</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), magnesium salt, manganese-doped</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), monoammonium salt</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), stronium salt (2:3)</td>
</tr>
<tr>
<td>Substance</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), trilithium salt</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), trisilver(1+) salt</td>
</tr>
<tr>
<td>arsenic acid, lead (4+) salt</td>
</tr>
<tr>
<td>arsenic acid, trisodium salt</td>
</tr>
<tr>
<td>arsenic bromide</td>
</tr>
<tr>
<td>arsenic bromide</td>
</tr>
<tr>
<td>arsenic chloride</td>
</tr>
<tr>
<td>arsino thioxo</td>
</tr>
<tr>
<td>arsenic sulfide (AsS2)</td>
</tr>
<tr>
<td>arsenic pentoxide</td>
</tr>
<tr>
<td>arsenic selenide (As2Se3)</td>
</tr>
<tr>
<td>arsenic sulfide</td>
</tr>
<tr>
<td>arsenic sulfide (As2S4)</td>
</tr>
<tr>
<td>arsenic telluride (As2Te3)</td>
</tr>
<tr>
<td>arsenic trichloride</td>
</tr>
<tr>
<td>arsenic trioxide</td>
</tr>
<tr>
<td>arsenic trisulfide</td>
</tr>
<tr>
<td>arsenic, elemental</td>
</tr>
<tr>
<td>arsenopyrite, cobaltaloo</td>
</tr>
<tr>
<td>arsenous acid, trisodium salt</td>
</tr>
<tr>
<td>arsenous trichloride</td>
</tr>
<tr>
<td>arsenous trifluoride</td>
</tr>
<tr>
<td>arsenous triiodide</td>
</tr>
<tr>
<td>barium arsenide (Ba3As2)</td>
</tr>
<tr>
<td>benzenediazonium, 3-methyl-4-(1-pyrrolidinyl)-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>benzenediazonium, 4-(diethylamino)-2-ethoxy-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>benzenediazonium, 4-(ethylamino)-2-methyl-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>benzenesulfonic acid, 4-arsenoso-</td>
</tr>
<tr>
<td>benzenesulfonic acid, 4-arsenoso-, sodium salt</td>
</tr>
<tr>
<td>boron(1+), bis(2,4-pentanedionato-O,O')-, (T-4)-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>calcium arsenate</td>
</tr>
<tr>
<td>calcium arsenate</td>
</tr>
<tr>
<td>calcium arsenide (Ca3As2)</td>
</tr>
<tr>
<td>calcium arsenide</td>
</tr>
<tr>
<td>calcium arsenite (2:1)</td>
</tr>
<tr>
<td>calcium arsenite (2:3)</td>
</tr>
<tr>
<td>cobalt arsenide (CoAs)</td>
</tr>
<tr>
<td>cobalt arsenide (CoAs2)</td>
</tr>
<tr>
<td>cobalt arsenide (CoAs3)</td>
</tr>
<tr>
<td>copper acetarsenide</td>
</tr>
<tr>
<td>copper arsenate</td>
</tr>
<tr>
<td>copper arsenate hydroxide (Cu2(AsO4)(OH))</td>
</tr>
<tr>
<td>copper arsenide (Cu3As)</td>
</tr>
<tr>
<td>copper arsenite</td>
</tr>
<tr>
<td>copper arsenite</td>
</tr>
<tr>
<td>copper diarsenite</td>
</tr>
<tr>
<td>diarsenic acid</td>
</tr>
<tr>
<td>diphenyldiarsenic acid</td>
</tr>
<tr>
<td>disodium hydrogen arsenate</td>
</tr>
<tr>
<td>disodium hydrogen arsenate</td>
</tr>
<tr>
<td>dysprosium arsenide (DyAs)</td>
</tr>
<tr>
<td>erbium arsenide (ErAs)</td>
</tr>
<tr>
<td>europium arsenide (EuAs)</td>
</tr>
<tr>
<td>ferric arsenate</td>
</tr>
<tr>
<td>ferric arsenite</td>
</tr>
<tr>
<td>Substance</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ferrous arsenate</td>
</tr>
<tr>
<td>gadolinium arsenide (GdAs)</td>
</tr>
<tr>
<td>gallium arsenide</td>
</tr>
<tr>
<td>Gallium arsenide phosphate</td>
</tr>
<tr>
<td>gallium arsenide phosphate (Ga2AsP)</td>
</tr>
<tr>
<td>gallium zinc triarsenide</td>
</tr>
<tr>
<td>germanium arsenide (GeAs)</td>
</tr>
<tr>
<td>holmium arsenide (HoAs)</td>
</tr>
<tr>
<td>indium arsenide (InAs)</td>
</tr>
<tr>
<td>iodonium, diphenyl-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>iron arsenide (FeAs)</td>
</tr>
<tr>
<td>iron arsenide (FeAs)</td>
</tr>
<tr>
<td>iron arsenide (FeAs2)</td>
</tr>
<tr>
<td>lanthanum arsenide (LaAs)</td>
</tr>
<tr>
<td>lithium arsenide (Li3As)</td>
</tr>
<tr>
<td>lutetium arsenide (LuAs)</td>
</tr>
<tr>
<td>magnesium arsenide</td>
</tr>
<tr>
<td>magnesium arsenide (Mg3As2)</td>
</tr>
<tr>
<td>manganese arsenide (Mn2As)</td>
</tr>
<tr>
<td>manganese arsenide (MnAs)</td>
</tr>
<tr>
<td>manganese hydrogenarsenate</td>
</tr>
<tr>
<td>metaarsenic acid</td>
</tr>
<tr>
<td>methyllyium, triphenyl-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>m-(p-Arsenosophenyl)-1,3,5-triazine-2,4,6-triamine</td>
</tr>
<tr>
<td>neodymium arsenide (NdAs)</td>
</tr>
<tr>
<td>nickel arsenide (NiAs)</td>
</tr>
<tr>
<td>nickel diarsenide</td>
</tr>
<tr>
<td>niobium arsenide (NbAs)</td>
</tr>
<tr>
<td>platinum arsenide (PtAs2)</td>
</tr>
<tr>
<td>potassium arsenate</td>
</tr>
<tr>
<td>potassium arsenide (K3As)</td>
</tr>
<tr>
<td>potassium arsenite</td>
</tr>
<tr>
<td>potassium arsenite</td>
</tr>
<tr>
<td>praseodymium arsenide (PrAs)</td>
</tr>
<tr>
<td>samarium arsenide (SmAs)</td>
</tr>
<tr>
<td>silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide(As2O3)</td>
</tr>
<tr>
<td>silicon(1+), tris(2,4-pentanedionato-O,O')-, (OC-6-11)-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>silver arsenide (Ag2As)</td>
</tr>
<tr>
<td>sodium arsenate</td>
</tr>
<tr>
<td>sodium arsenide (Na3As)</td>
</tr>
<tr>
<td>sodium arsenite</td>
</tr>
<tr>
<td>sodium metaarsenate</td>
</tr>
<tr>
<td>strontium arsenide (Sr3As2)</td>
</tr>
<tr>
<td>strontium arsenite</td>
</tr>
<tr>
<td>strontium arsenite</td>
</tr>
<tr>
<td>strychnidin-10-one, arsenite (1:1)</td>
</tr>
<tr>
<td>strychnine arsenate</td>
</tr>
<tr>
<td>sulfonium, triphenyl-, hexafluoroarsenate(1-)</td>
</tr>
<tr>
<td>terbium arsenide (TbAs)</td>
</tr>
<tr>
<td>thallium arsenide (TlAs)</td>
</tr>
<tr>
<td>thallium triarsenide</td>
</tr>
<tr>
<td>thulium arsenide (TmAs)</td>
</tr>
<tr>
<td>triammonium arsenate</td>
</tr>
<tr>
<td>triethyl arsenate</td>
</tr>
<tr>
<td>triethyl arsenite</td>
</tr>
<tr>
<td>Substance</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>trimanganese arsenide</td>
</tr>
<tr>
<td>trinickel bis(arsenate)</td>
</tr>
<tr>
<td>tris[(8a)-6’-methoxycinchonan-9(R)-ol] arsenite</td>
</tr>
<tr>
<td>tris[(8a,9R)-6’-methoxycinchonan-9-ol] bis(arsenate)</td>
</tr>
<tr>
<td>vanadium(4+) diarsenate (1:1)</td>
</tr>
<tr>
<td>ytterbium arsenide (YbAs)</td>
</tr>
<tr>
<td>yttrium arsenide (YAs)</td>
</tr>
<tr>
<td>zinc arsenate</td>
</tr>
<tr>
<td>zinc arsenate</td>
</tr>
<tr>
<td>zinc arsenide (Zn3As2)</td>
</tr>
<tr>
<td>zinc arsenide (ZnAs2)</td>
</tr>
<tr>
<td>zinc arsenite</td>
</tr>
<tr>
<td>zirconium arsenide (ZrAs)</td>
</tr>
<tr>
<td>arsorous acid</td>
</tr>
<tr>
<td>arsin</td>
</tr>
<tr>
<td>diphenoxarsin-10-yloxid</td>
</tr>
<tr>
<td>trisilver arsenite</td>
</tr>
<tr>
<td>arsenic compounds  [AL36]</td>
</tr>
<tr>
<td>organophosphorus compounds</td>
</tr>
<tr>
<td>triphenyl phosphate</td>
</tr>
<tr>
<td>tritolyl phosphate</td>
</tr>
<tr>
<td>triethyl phosphate</td>
</tr>
<tr>
<td>diphenyl tolyl phosphate</td>
</tr>
<tr>
<td>tris(2-chloroethyl)phosphate</td>
</tr>
<tr>
<td>phosphoric acid tributylerester</td>
</tr>
<tr>
<td>phosphoric acid, tris(2-methylphenyl) ester</td>
</tr>
<tr>
<td>trimethylphosphate</td>
</tr>
<tr>
<td>tris-(1-aziridinyl) phosphate oxime</td>
</tr>
<tr>
<td>tris(2,3-dibromopropyl)phosphate [tris]</td>
</tr>
<tr>
<td>tris(1,3-dichloro-2-propyl)phosphate</td>
</tr>
<tr>
<td>organic phosphorus compounds</td>
</tr>
<tr>
<td>poly( vinyl chloride)</td>
</tr>
<tr>
<td>poly(vinyl chloride)</td>
</tr>
<tr>
<td>poly(vinyl chloride)</td>
</tr>
<tr>
<td>Other polyvinyl chlorides</td>
</tr>
<tr>
<td>PVC copolymers</td>
</tr>
<tr>
<td>phthalic esters</td>
</tr>
<tr>
<td>N-pentyl-isopentylphthalate</td>
</tr>
<tr>
<td>benzyl butan-1-yl phthalate / benzylbutylphthalate (BBP) / bis(2-methoxyethyl)phthalate</td>
</tr>
<tr>
<td>bis(2-methoxyethyl)phthalate</td>
</tr>
<tr>
<td>bis(2-ethylhexan-1-yl) phthalate / di(2-ethylhexyl)phthalate (DEHP)</td>
</tr>
<tr>
<td>dibutan-1-yl phthalate / dibutyl phthalate (DBP)</td>
</tr>
<tr>
<td>d-isobutyl phthalate / diisobutylphthalate (DIBP)</td>
</tr>
<tr>
<td>di-isonylnyl phthalate, phthalic acid, di-C8-10 branched alkyl esters C9 rich</td>
</tr>
<tr>
<td>di-isonylnyl phthalate, phthalic acid, di-C8-10 branched alkyl esters C9 rich</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid diisodecyl ester (di-isodecyl phthalate)</td>
</tr>
<tr>
<td>phthalic acid, di-C9-11 branched alkyl esters C10 rich</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid diisodecyl ester (di-isodecyl phthalate)</td>
</tr>
<tr>
<td>phthalic acid, di-C9-11 branched alkyl esters C10 rich</td>
</tr>
<tr>
<td>di-n-octyl phthalate</td>
</tr>
<tr>
<td>di-ethyl phthalate</td>
</tr>
<tr>
<td>di-cyclohexyl phthalate</td>
</tr>
<tr>
<td>di-n-propyl phthalate</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>di-n-hexyl phthalate</td>
<td>84-75-3</td>
</tr>
<tr>
<td>di-methyl phthalate</td>
<td>131-11-3</td>
</tr>
<tr>
<td>di-n-heptyl phthalate</td>
<td>3648-21-3</td>
</tr>
<tr>
<td>diisopentylphthalate (DIPP)</td>
<td>605-50-5</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)</td>
<td>68515-42-4</td>
</tr>
<tr>
<td>(1,2-benzenedicarboxylic acid, diundecyl ester)</td>
<td>3648-20-2</td>
</tr>
<tr>
<td>1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)</td>
<td>71888-89-6</td>
</tr>
<tr>
<td>(1,2-benzenedicarboxylic acid, diheptyl ester, branched and linear)</td>
<td>68515-44-6</td>
</tr>
<tr>
<td>(1,2-benzenedicarboxylic acid, dinonyl ester, branched and linear)</td>
<td>111381-89-6</td>
</tr>
<tr>
<td>(1,2-benzenedicarboxylic acid, heptyl undecyl ester, branched and linear)</td>
<td>111381-90-9</td>
</tr>
<tr>
<td>(1,2-benzenedicarboxylic acid, nonyl undecyl ester, branched and linear)</td>
<td>111381-91-0</td>
</tr>
<tr>
<td>di-n-pentyl phthalate</td>
<td>131-18-0</td>
</tr>
<tr>
<td>phthalic esters</td>
<td>AL43</td>
</tr>
<tr>
<td>perfluorooctane sulfonate and its related substances</td>
<td></td>
</tr>
<tr>
<td>perfluorooctane sulfonate acid</td>
<td>1763-23-1</td>
</tr>
<tr>
<td>perfluorooctane sulfonate anion</td>
<td>45298-90-6</td>
</tr>
<tr>
<td>perfluoro-1-octanesulfonyl fluoride</td>
<td>307-35-7</td>
</tr>
<tr>
<td>2-propenoic acid, 2-methyl-, dodecyl ester, polymers with 2-[(perfluoro-C4-8-alkyl)-sulfonyl]amino]ethyl acrylate and vinylidene chloride</td>
<td>306975-62-2</td>
</tr>
<tr>
<td>glycine, N-ethyl-N-[(heptadecafluoroctyl)sulfonyl]-, potassium salt</td>
<td>2991-51-7</td>
</tr>
<tr>
<td>perfluoroocotane sulphonate / perfluorooctane sulfonate potassium salt</td>
<td>2795-39-3</td>
</tr>
<tr>
<td>perfluoroocotane sulfonate ammonium salt</td>
<td>29081-56-9</td>
</tr>
<tr>
<td>perfluoroocotane sulfonate lithium salt</td>
<td>29457-72-5</td>
</tr>
<tr>
<td>tetraethylammoniumheptadecafluorotansulfonate</td>
<td>56773-42-3</td>
</tr>
<tr>
<td>polycyclic aromatic hydrocarbons and its mixtures</td>
<td></td>
</tr>
<tr>
<td>anthracene oil</td>
<td>90640-80-5</td>
</tr>
<tr>
<td>anthracene oil, anthracene paste, distn. lights</td>
<td>91995-17-4</td>
</tr>
<tr>
<td>anthracene oil, anthracene paste, anthracene fraction</td>
<td>91995-15-2</td>
</tr>
<tr>
<td>anthracene oil, anthracene-low</td>
<td>90640-82-7</td>
</tr>
<tr>
<td>anthracene oil, anthracene-paste</td>
<td>90640-81-6</td>
</tr>
<tr>
<td>acenaphthylene</td>
<td>208-96-8</td>
</tr>
<tr>
<td>acenaphthen</td>
<td>83-32-9</td>
</tr>
<tr>
<td>fluorene</td>
<td>86-73-7</td>
</tr>
<tr>
<td>phenanthrene</td>
<td>85-01-8</td>
</tr>
<tr>
<td>fluoranthene</td>
<td>206-44-0</td>
</tr>
<tr>
<td>pyrene</td>
<td>129-00-0</td>
</tr>
<tr>
<td>benzo[ghi]fluoranthene</td>
<td>203-12-3</td>
</tr>
<tr>
<td>cyclopenta(cd)pyrene</td>
<td>27208-37-3</td>
</tr>
<tr>
<td>perylene</td>
<td>198-55-0</td>
</tr>
<tr>
<td>indeno[1,2,3-cd]pyrene</td>
<td>193-39-5</td>
</tr>
<tr>
<td>benzo[ghi]perylene</td>
<td>191-24-2</td>
</tr>
<tr>
<td>dibenz[def,mno]chrysene</td>
<td>191-26-4</td>
</tr>
<tr>
<td>coronene</td>
<td>191-07-1</td>
</tr>
<tr>
<td>naphthalene</td>
<td>91-20-3</td>
</tr>
<tr>
<td>9,10-anthracenedione, 1-[(5,7-dichloro-1,9-dihydro-2-methyl-9-oxopyrazolo[5,1-b]quinazolin-3-yl]azo]-</td>
<td>74336-60-0</td>
</tr>
<tr>
<td>polycyclic aromatic hydrocarbons (PAH; PCAH) in extender oils and extender oils in tyres, selected</td>
<td>AL49</td>
</tr>
<tr>
<td>polycyclic aromatic hydrocarbons (PAH; PCAH) in polymers, selected</td>
<td>AL49</td>
</tr>
<tr>
<td>benzo[a]pyrene</td>
<td>50-32-8</td>
</tr>
<tr>
<td>benzo[e]pyrene</td>
<td>192-97-2</td>
</tr>
<tr>
<td>anthracene</td>
<td>120-12-7</td>
</tr>
<tr>
<td>benzo[a]anthracene</td>
<td>56-55-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>chrysene</td>
<td>218-01-9</td>
</tr>
<tr>
<td>benz(j)fluoranthene</td>
<td>205-82-3</td>
</tr>
<tr>
<td>benzo[k]fluoranthene</td>
<td>207-08-9</td>
</tr>
<tr>
<td>dibenz[a,h]anthracene</td>
<td>53-70-3</td>
</tr>
<tr>
<td>benzo[b]fluoranthene / benz(e)acephenanthrylene</td>
<td>205-99-2</td>
</tr>
<tr>
<td>Other polycyclic aromatic hydrocarbons and its mixtures</td>
<td>AL49</td>
</tr>
<tr>
<td>cobalt(II) sulphate / sulfuric acid, cobalt(2+) salt (1:1)-</td>
<td>10124-43-3</td>
</tr>
<tr>
<td>sodium [4-[[6-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-1-hydroxy-3-sulpho-2-naphthyl]azo]-3-hydroxy-7-nitronaphthalene-1-sulphonato(4-)]cobaltate(1-)</td>
<td>100231-59-2</td>
</tr>
<tr>
<td>[(\mu)-carbonato(2-)-O:O']dihydroxydicobalt</td>
<td>12069-68-0</td>
</tr>
<tr>
<td>1,2,4-benzenetricarboxylic acid, cobalt(2+) salt (1:1)</td>
<td>67801-57-4</td>
</tr>
<tr>
<td>1,4-benzenedicarboxylic acid, cobalt salt</td>
<td>34262-88-9</td>
</tr>
<tr>
<td>1,4-benzenedicarboxylic acid, monomethyl ester, cobalt(2+) salt</td>
<td>51084-32-3</td>
</tr>
<tr>
<td>benzo[ghi]quinoline-7,8-dione, cobalt(2+) salt</td>
<td>29904-98-1</td>
</tr>
<tr>
<td>cobalt(2+) methacrylate</td>
<td>67952-53-8</td>
</tr>
<tr>
<td>cobalt(2+) acrylate</td>
<td>58197-53-8</td>
</tr>
<tr>
<td>cobalt (9Z,12Z)-octadeca-9,12-dienoate</td>
<td>14666-96-7</td>
</tr>
<tr>
<td>cobalt oleate</td>
<td>14666-94-5</td>
</tr>
<tr>
<td>acetic acid, bromo-, cobalt(2+) salt</td>
<td>54846-43-4</td>
</tr>
<tr>
<td>cobalt(II) acetate tetrahydrate</td>
<td>6147-53-1</td>
</tr>
<tr>
<td>cobalt triacetate</td>
<td>917-69-1</td>
</tr>
<tr>
<td>adipic acid, cobalt salt</td>
<td>54437-56-8</td>
</tr>
<tr>
<td>aluminum boron cobalt lithium nickel oxide</td>
<td>207803-51-8</td>
</tr>
<tr>
<td>aluminum cobalt lithium nickel oxide</td>
<td>193214-24-3</td>
</tr>
<tr>
<td>aluminum cobalt oxide (AlCoO)</td>
<td>12672-27-4</td>
</tr>
<tr>
<td>aluminum cobalt oxide (Al2CoO4)</td>
<td>1333-88-6</td>
</tr>
<tr>
<td>ammonium bis[4-hydroxy-3-[[5-hydroxynaphth[2,1-d]-1-oxathiol-4-yl]azo]-N-methylbenzenesulphonamide S,S-dioxidato(2-)]cobaltate(1-)</td>
<td>83847-05-6</td>
</tr>
<tr>
<td>ammonium cobalt orthophosphate</td>
<td>36835-61-7</td>
</tr>
<tr>
<td>antimony, compound with cobalt (1:1)</td>
<td>12052-42-5</td>
</tr>
<tr>
<td>arsenic acid (H3AsO4), cobalt(2+) salt (2:3)</td>
<td>24719-19-5</td>
</tr>
<tr>
<td>benzoic acid, 4-amino-, cobalt(2+) salt (2:1)</td>
<td>68123-03-5</td>
</tr>
<tr>
<td>benzoic acid, methyl-, cobalt salt</td>
<td>42978-77-8</td>
</tr>
<tr>
<td>bis(1,3-diphenylpropane-1,3-dionato-O,O')cobalt</td>
<td>14405-50-6</td>
</tr>
<tr>
<td>bis(1-phenylbutane-1,3-dionato-O,O')cobalt</td>
<td>14128-95-1</td>
</tr>
<tr>
<td>bis(6-methylheptane-2,4-dionato-O,O')cobalt</td>
<td>79215-59-1</td>
</tr>
<tr>
<td>bisD-gluconato-O1,O2)cobalt</td>
<td>71957-08-9</td>
</tr>
<tr>
<td>bis(dibutylidithiocarbamato-S,S')cobalt</td>
<td>14591-57-2</td>
</tr>
<tr>
<td>bis(diyldithiocarbamato-S,S')cobalt</td>
<td>15974-34-2</td>
</tr>
<tr>
<td>bis[2-[(5-chloro-2-pyridyl)azo]-5-(diethylamino)phenol,ato]cobalt(1+) chloride</td>
<td>81342-98-5</td>
</tr>
<tr>
<td>carbonic acid, cobalt salt</td>
<td>7542-09-8</td>
</tr>
<tr>
<td>cassiterite, cobalt manganese nickel grey</td>
<td>99749-23-2</td>
</tr>
<tr>
<td>cerium, compound with cobalt (1:5)</td>
<td>12214-13-0</td>
</tr>
<tr>
<td>cerium, compound with cobalt (2:7)</td>
<td>12515-29-6</td>
</tr>
<tr>
<td>chloro[2,2',2''-nitrilotris[ethanolato]-N,O,O',O'']cobalt</td>
<td>36217-04-6</td>
</tr>
<tr>
<td>chloropentakis(methylamine)cobalt dichloride</td>
<td>15392-59-3</td>
</tr>
<tr>
<td>cobalt (II) chloride, hexahydrate</td>
<td>7791-13-1</td>
</tr>
<tr>
<td>cobalt arsenide (CoAs)</td>
<td>27016-73-5</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>cobalt arsenide (CoAs2)</td>
<td>12044-42-7</td>
</tr>
<tr>
<td>cobalt arsenide (CoAs3)</td>
<td>12256-04-1</td>
</tr>
<tr>
<td>cobalt bis(2-ethylhexanoate)</td>
<td>136-52-7</td>
</tr>
<tr>
<td>cobalt bis(nonylphenol,ate)</td>
<td>83970-30-3</td>
</tr>
<tr>
<td>cobalt bis[citrato(3-)]di-.mu.-oxodioxodimolybdate(2-)</td>
<td>93776-58-0</td>
</tr>
<tr>
<td>cobalt boride (Co2B)</td>
<td>12045-01-1</td>
</tr>
<tr>
<td>cobalt boride (Co3B)</td>
<td>12006-78-9</td>
</tr>
<tr>
<td>cobalt(II) carbonate / cobalt carbonate</td>
<td>513-79-1</td>
</tr>
<tr>
<td>cobalt carbonyl</td>
<td>10210-68-1</td>
</tr>
<tr>
<td>cobalt chloride (CoCl3)</td>
<td>10241-04-0</td>
</tr>
<tr>
<td>cobalt chromite blue green spinel</td>
<td>68187-50-8</td>
</tr>
<tr>
<td>cobalt cyanide (Co(CN)2)</td>
<td>542-84-7</td>
</tr>
<tr>
<td>cobalt cyanide (Co(CN)3)</td>
<td>14965-99-2</td>
</tr>
<tr>
<td>cobalt dilactate</td>
<td>16039-54-6</td>
</tr>
<tr>
<td>cobalt dilaurate</td>
<td>14960-16-8</td>
</tr>
<tr>
<td>cobalt diniloleate</td>
<td>6401-84-9</td>
</tr>
<tr>
<td>cobalt dinicotinate</td>
<td>28029-53-0</td>
</tr>
<tr>
<td>cobalt dioctanoate</td>
<td>1588-79-0</td>
</tr>
<tr>
<td>cobalt dioleate</td>
<td>19192-71-3</td>
</tr>
<tr>
<td>cobalt dipalmitate</td>
<td>14582-18-4</td>
</tr>
<tr>
<td>cobalt disodium ethylenediaminetetraacetate</td>
<td>15137-09-4</td>
</tr>
<tr>
<td>cobalt distearate</td>
<td>1002-88-6</td>
</tr>
<tr>
<td>cobalt disulfide</td>
<td>12013-10-4</td>
</tr>
<tr>
<td>cobalt fluoride (CoF3)</td>
<td>10026-18-3</td>
</tr>
<tr>
<td>cobalt glycinate</td>
<td>17829-66-2</td>
</tr>
<tr>
<td>cobalt hexafluorosilicate(2-)</td>
<td>12021-67-9</td>
</tr>
<tr>
<td>cobalt hydroxide</td>
<td>21041-93-0</td>
</tr>
<tr>
<td>cobalt hydroxide (Co(OH)3)</td>
<td>1307-86-4</td>
</tr>
<tr>
<td>cobalt hydroxide oxide (Co(OH)O)</td>
<td>12016-80-7</td>
</tr>
<tr>
<td>cobalt iodide (CoI2)</td>
<td>15238-00-3</td>
</tr>
<tr>
<td>cobalt iron oxide (CoFe2O4)</td>
<td>12052-28-7</td>
</tr>
<tr>
<td>cobalt lithium manganese nickel oxide</td>
<td>182442-95-1</td>
</tr>
<tr>
<td>cobalt magnesium red blue borate</td>
<td>346417-97-8</td>
</tr>
<tr>
<td>cobalt metasilicate</td>
<td>68608-93-5</td>
</tr>
<tr>
<td>cobalt molybdenum nickel oxide (CoMo2NiO8)</td>
<td>25139-08-6</td>
</tr>
<tr>
<td>cobalt naphthenate</td>
<td>68016-03-5</td>
</tr>
<tr>
<td>cobalt neodecanoate</td>
<td>61789-51-3</td>
</tr>
<tr>
<td>cobalt nickel oxide (CoNiO2)</td>
<td>27253-31-2</td>
</tr>
<tr>
<td>cobalt nitrate</td>
<td>58591-45-0</td>
</tr>
<tr>
<td>cobalt octoate</td>
<td>10026-22-9</td>
</tr>
<tr>
<td>cobalt oxide</td>
<td>13586-82-8</td>
</tr>
<tr>
<td>cobalt oxide (Co2O3)</td>
<td>1307-96-6</td>
</tr>
<tr>
<td>cobalt oxide (Co3O4)</td>
<td>1308-04-9</td>
</tr>
<tr>
<td>cobalt phosphide (Co2P)</td>
<td>1308-06-1</td>
</tr>
<tr>
<td>cobalt propionate</td>
<td>12134-02-0</td>
</tr>
<tr>
<td>cobalt selenide (CoSe)</td>
<td>1560-69-6</td>
</tr>
<tr>
<td>cobalt selenate</td>
<td>1307-99-9</td>
</tr>
<tr>
<td>cobalt silicate</td>
<td>26686-74-8</td>
</tr>
<tr>
<td>cobalt silicide (CoSi2)</td>
<td>12017-12-8</td>
</tr>
<tr>
<td>cobalt succinate</td>
<td>3267-76-3</td>
</tr>
<tr>
<td>cobalt sulfate heptahydrate</td>
<td>10026-24-1</td>
</tr>
<tr>
<td>cobalt sulfide (Co2S3)</td>
<td>1332-71-4</td>
</tr>
<tr>
<td>cobalt telluride (CoTe)</td>
<td>61789-52-4</td>
</tr>
<tr>
<td>cobalt tetra(2-ethylhexyl) bis(phosphate)</td>
<td>12017-13-9</td>
</tr>
<tr>
<td>cobalt tetra(2-ethylhexyl) bis(phosphate)</td>
<td>24828-46-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>cobalt tin oxide (CoSnO3)</td>
<td>1345-19-3</td>
</tr>
<tr>
<td>cobalt titanium oxide (Co2TiO4)</td>
<td>12017-38-8</td>
</tr>
<tr>
<td>cobalt titanium trioxide</td>
<td>12017-01-5</td>
</tr>
<tr>
<td>cobalt titanium tungsten oxide ((Co,Ti,W)O2)</td>
<td>144437-67-2</td>
</tr>
<tr>
<td>cobalt tungsten oxide (CoWO4)</td>
<td>10101-58-3</td>
</tr>
<tr>
<td>cobalt zirconium oxide (CoZrO3)</td>
<td>69011-09-2</td>
</tr>
<tr>
<td>cobalt(2+) dibromate</td>
<td>14732-58-2</td>
</tr>
<tr>
<td>cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]</td>
<td>94232-44-7</td>
</tr>
<tr>
<td>cobalt(2+) ethanolate</td>
<td>19330-29-1</td>
</tr>
<tr>
<td>cobalt(2+) hydrogen citrate</td>
<td>18727-04-3</td>
</tr>
<tr>
<td>cobalt(2+) selenite</td>
<td>10026-23-0</td>
</tr>
<tr>
<td>cobalt(2+) tert-decanoate</td>
<td>84195-99-3</td>
</tr>
<tr>
<td>cobalt(2+), bis(1,2-ethanediame-N,N')-, bis[bis(cyano-C)aurate(1-)]</td>
<td>68958-90-7</td>
</tr>
<tr>
<td>cobalt(2+), bis(1,2-propanediamine-N,N')-, bis[bis(cyano-C)aurate(1-)]</td>
<td>67906-18-7</td>
</tr>
<tr>
<td>cobalt(2+), pentaamminechloro-, dichloride, (OC-6-22)-</td>
<td>13859-51-3</td>
</tr>
<tr>
<td>cobalt(3+), hexaammine-, (OC-6-11)-, phosphate (1:1)</td>
<td>55494-92-3</td>
</tr>
<tr>
<td>cobalt(3+), hexaammine-, (OC-6-11)-, salt with trifluoroacetic acid(1:3)</td>
<td>59561-55-6</td>
</tr>
<tr>
<td>cobalt(3+), hexaammine-, (OC-6-11)-, triacetate</td>
<td>14023-85-9</td>
</tr>
<tr>
<td>cobalt(3+), hexaammine-, (OC-6-11)-, tricarbonyl</td>
<td>10534-86-8</td>
</tr>
<tr>
<td>cobalt(3+), hexaammine-, trichloride, (OC-6-11)-</td>
<td>10534-89-1</td>
</tr>
<tr>
<td>cobalt(3+), tris(1,2-ethanediame-N,N')-, trichloride, (OC-6-11)-</td>
<td>13408-73-6</td>
</tr>
<tr>
<td>cobalt(II) diacetate / cobalt(II) acetate</td>
<td>26490-63-1</td>
</tr>
<tr>
<td>cobalt(II) fluoroborate</td>
<td>10026-17-2</td>
</tr>
<tr>
<td>cobalt(II) fluoride</td>
<td>13762-14-6</td>
</tr>
<tr>
<td>cobalt(II) molybdate</td>
<td>1317-42-6</td>
</tr>
<tr>
<td>cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluorophenolato)(2-))N,N',O,O')-</td>
<td>62207-76-5</td>
</tr>
<tr>
<td>cobalt, (2-amino-2-oxoethoxyacetato(2-))-</td>
<td>68133-85-7</td>
</tr>
<tr>
<td>cobalt, [2H3,3H-phthalocyaninato(2-)-N29,N30,N31,N32]-, (SP-4-1)-</td>
<td>3317-67-7</td>
</tr>
<tr>
<td>cobalt, [2H3,3H-phthalocyanine-C-sulfonyl chloridato(2-)-N29,N30,N31,N32]-</td>
<td>67875-38-1</td>
</tr>
<tr>
<td>cobalt, [3-hydroxy-4-[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]o-benzenesulfonanisididato(2-)-, S-(hydrogen sulfate), monosodium salt</td>
<td>18285-21-7</td>
</tr>
<tr>
<td>cobalt, [4-hydroxy-3-[1-(p-mercaptophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]o-benzenesulfonanethidato(2-)-, S-(hydrogen sulfate), monosodium salt</td>
<td>19052-32-5</td>
</tr>
<tr>
<td>cobalt, [N-(carboxymethyl)glycinato(2-)-N,O,ON]-</td>
<td>13869-30-2</td>
</tr>
<tr>
<td>cobalt, bis(2,4-pentanedionato-O,O')-, (T-4)-</td>
<td>14024-48-7</td>
</tr>
<tr>
<td>cobalt, bis(acetato-O)(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer</td>
<td>68239-56-5</td>
</tr>
<tr>
<td>cobalt, bis(D-glycero-D-ido-heptonato)-</td>
<td>68475-45-6</td>
</tr>
<tr>
<td>cobalt, bis(dicyclohexylphosphinodithioato-S,S')-</td>
<td>40621-10-1</td>
</tr>
<tr>
<td>cobalt, bis(2,3-butanedione dioxitmato(1-)-N,N')-, (SP-4-1)-</td>
<td>3252-99-1</td>
</tr>
<tr>
<td>cobalt, bis[alpha-,1-oxy-1H-isoindol-3-yl)-1H-benzimidazole-2-acetonitrilato]-, (T-4)-</td>
<td>60109-88-8</td>
</tr>
<tr>
<td>cobalt, bis[3-[1H-benzimidazol-2-ylamino]-1H-isoindol-1-onato]-, (T-4)-</td>
<td>63287-28-5</td>
</tr>
<tr>
<td>cobalt, bis[carbonato(2-)]hexahydroxypenta-</td>
<td>12602-23-2</td>
</tr>
<tr>
<td>cobalt, C4-10-fatty acid naphthenate complexes</td>
<td>84066-85-3</td>
</tr>
<tr>
<td>cobalt, C5-23-branched carboxylyte C4-10-fatty acid naphthenate complexes</td>
<td>83711-42-6</td>
</tr>
<tr>
<td>cobalt, C5-23-branched carboxylate naphthenate complexes</td>
<td>83711-43-7</td>
</tr>
<tr>
<td>cobalt, C5-23-branched carboxylate naphthenate octanoate complexes</td>
<td>83711-44-8</td>
</tr>
<tr>
<td>cobalt, compound with gadolinium (3:1)</td>
<td>12017-50-4</td>
</tr>
<tr>
<td>cobalt, compound with gadolinium (5:1)</td>
<td>12017-61-7</td>
</tr>
<tr>
<td>cobalt, compound with gadolinium (7:2)</td>
<td>11139-24-5</td>
</tr>
<tr>
<td>cobalt, compound with lanthanum (3:1)</td>
<td>61419-68-9</td>
</tr>
<tr>
<td>cobalt, compound with lanthanum (5:1)</td>
<td>12297-66-4</td>
</tr>
<tr>
<td>cobalt, compound with lanthanum (7:2)</td>
<td>12268-07-4</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>cobalt, compound with neodymium (3:1)</td>
<td>12187-43-8</td>
</tr>
<tr>
<td>cobalt, compound with neodymium (5:1)</td>
<td>12017-65-1</td>
</tr>
<tr>
<td>cobalt, compound with neodymium (7:2)</td>
<td>12516-51-7</td>
</tr>
<tr>
<td>cobalt, compound with praseodymium (5:1)</td>
<td>12017-67-3</td>
</tr>
<tr>
<td>cobalt, compound with praseodymium (7:2)</td>
<td>12516-52-8</td>
</tr>
<tr>
<td>cobalt, compound with samarium (17:2)</td>
<td>12052-78-7</td>
</tr>
<tr>
<td>cobalt, compound with samarium (2:1)</td>
<td>12017-43-5</td>
</tr>
<tr>
<td>cobalt, compound with samarium (3:1)</td>
<td>12017-68-4</td>
</tr>
<tr>
<td>cobalt, compound with samarium (5:1)</td>
<td>12017-71-9</td>
</tr>
<tr>
<td>cobalt, compound with yttrium (3:1)</td>
<td>12052-70-9</td>
</tr>
<tr>
<td>cobalt, compound with yttrium (5:1)</td>
<td>12017-71-9</td>
</tr>
<tr>
<td>cobalt, compound with yttrium (7:2)</td>
<td>12052-71-9</td>
</tr>
<tr>
<td>cobalt, dibromobis(triphenylphosphine)-, (T-4)-</td>
<td>14126-32-0</td>
</tr>
<tr>
<td>cobalt, dibromobis[tris(3,5-dimethylphenyl)phosphine]-, (T-4)-</td>
<td>69198-43-2</td>
</tr>
<tr>
<td>cobalt, dibromobis[tris(3-methylphenyl)phosphine]-, (T-4)-</td>
<td>49651-10-7</td>
</tr>
<tr>
<td>cobalt, dichloro(1,4-diazabicyclo[2.2.2]octane-N1)-, homopolymer</td>
<td>68239-58-7</td>
</tr>
<tr>
<td>cobalt, elemental</td>
<td>7440-48-4</td>
</tr>
<tr>
<td>cobalt, tetrakis[(2,3-butanedione dioximato)(1-)-N,N']bis(pyridine)di-, (Co-Co)</td>
<td>25971-15-7</td>
</tr>
<tr>
<td>cobalt, tris(2,4-pentanedionato-O,O')-, (OC-6-11)-</td>
<td>15218-44-7</td>
</tr>
<tr>
<td>cobalt-acetate</td>
<td>5931-89-5</td>
</tr>
<tr>
<td>cobaltate (6-), [[[<a href="6-">1,2-ethanediylbis[nitrilotris(methylene)]tetrakis(phosphonato)</a>-N,N',O,O'',O'''''']-,pentaammonium hydrogen, (OC-6-21)-</td>
<td>68025-39-8</td>
</tr>
<tr>
<td>cobaltate (6-), [[[<a href="8-">1,2-ethanediylbis[nitrilotris(methylene)]tetrakis(phosphonato)</a>]-N,N',O,O',O'''',O'''''']-,pentapotassium hydrogen, (OC-6-21)-</td>
<td>67924-23-6</td>
</tr>
<tr>
<td>cobaltate (6-), [[[<a href="8-">1,2-ethanediylbis[nitrilotris(methylene)]tetrakis(phosphonato)</a>]-N,N',O,O',O'''',O'''''']-,pentasodium hydrogen, (OC-6-21)-</td>
<td>67969-67-9</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen, compound with 1-tridecanamine (1:1)</td>
<td>12190-79-3</td>
</tr>
<tr>
<td>cobaltate(1-), [1-[[5-(ethylsulfonyl)-2-hydroxyphenyl]azo]-2-naphthalenolato(2-)]-methyl[8-[[5-ethylsulfonyl]-2-hydroxyphenyl]azo]-7-hydroxy-2-naphthalenyl[methylcarbamato(2-)], sodium</td>
<td>103241-62-9</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>70815-19-9</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>55668-56-9</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>73507-66-1</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>52277-73-3</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>73507-66-1</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>73324-02-4</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>72845-76-2</td>
</tr>
<tr>
<td>cobaltate(1-), [2,4-dihydro-4-[(2-hydroxy-5-(methylsulfonyl)phenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-N-[7-hydroxy-8-[[2-hydroxy-5-(methylsulfonyl)phenyl]azo]-1-naphthalenyl]acacetamidato(2-), sodium</td>
<td>70236-41-8</td>
</tr>
<tr>
<td>cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32], hydrogen</td>
<td>30638-08-5</td>
</tr>
<tr>
<td>cobaltate(1-), [29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32], hydrogen</td>
<td>52729-67-6</td>
</tr>
<tr>
<td>cobaltate(1-), [3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]-2-naphthalenolato(2-), hydrogen</td>
<td>72928-77-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>cobaltate(1-), [3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen</td>
<td>72928-76-8</td>
</tr>
<tr>
<td>cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl)azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)][N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)], hydrogen</td>
<td>68413-61-6</td>
</tr>
<tr>
<td>cobaltate(1-), [3-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl)azo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)][N-[7-hydroxy-8-[[2-hydroxy-5-[(methylamino)sulfonyl]phenyl]azo]-1-naphthalenyl]acetamidato(2-)], sodium</td>
<td>74499-63-1</td>
</tr>
<tr>
<td>cobaltate(1-), [3-[4-[(5-chloro-2-hydroxyphenyl)azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)][4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], sodium</td>
<td>72403-33-9</td>
</tr>
<tr>
<td>cobaltate(1-), [3-[[4-chloro-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)][4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]benzenesulfonamidato(2-)], hydrogen, compound with 3-[(2-ethylhexyl)oxy]-1-propanamine (1:1)</td>
<td>73297-17-3</td>
</tr>
<tr>
<td>cobaltate(1-), [6-amino-5-[(2-hydroxy-4-nitrophenyl)azo]-N-(2-hydroxypropyl)-2-naphthalenesulfonamidato(2-)][1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], sodium</td>
<td>73195-17-2</td>
</tr>
<tr>
<td>cobaltate(1-), [C-(chlorosulfonyl)-29H,31H-phthalocyanine-C-sulfonato(3-)-N29,N30,N31,N32]-, hydrogen, (T-4)-</td>
<td>53108-50-2</td>
</tr>
<tr>
<td>cobaltate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, hydrogen, (T-4)-</td>
<td>68213-72-9</td>
</tr>
<tr>
<td>cobaltate(1-), [N-8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)][3-[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], hydrogen</td>
<td>68239-47-4</td>
</tr>
<tr>
<td>cobaltate(1-), [N-8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)][3-[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], sodium</td>
<td>68966-96-1</td>
</tr>
<tr>
<td>cobaltate(1-), [N-8-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-7-hydroxy-1-naphthalenyl]acetamidato(2-)][3-[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzenesulfonamidato(2-)], sodium</td>
<td>59487-93-3</td>
</tr>
<tr>
<td>cobaltate(1-), bis(2,4-dihydro-4-[[2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)], sodium</td>
<td>67486-73-1</td>
</tr>
<tr>
<td>cobaltate(1-), bis(1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)], sodium</td>
<td>64611-71-8</td>
</tr>
<tr>
<td>cobaltate(1-), bis(1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], hydrogen</td>
<td>52277-69-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis(1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)], sodium</td>
<td>73297-09-3</td>
</tr>
<tr>
<td>cobaltate(1-), bis(1-[(5-chloro-2-hydroxyphenyl)azo]-2-naphthalenolato(2-)], sodium</td>
<td>70236-44-1</td>
</tr>
<tr>
<td>cobaltate(1-), bis(2,4-dihydro-4-[[2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)], hydrogen, compound with 3-[(2-ethylhexyl)oxy]-1-propanamine (1:1)</td>
<td>71566-27-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium</td>
<td>71839-88-8</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2,4-dinitro-6-[[2-(phenylamino)-1-naphthalenyl]azo]phenol,ato(2-)]- , sodium</td>
<td>125378-91-8</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-amino-1-naphthalenyl]azo-5-nitrophenol,ato(2-)]- , hydrogen</td>
<td>71566-34-2</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-amino-1-naphthalenyl]azo-5-nitrophenol,ato(2-)]- , sodium</td>
<td>68966-98-3</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-hydroxy-4-nitrophenyl]azo-1-naphthalenolato(2-)]- , hydrogen</td>
<td>6421-64-3</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-hydroxy-4-nitrophenyl]azo-3-oxo-N-phenylbutanamidato(2-)]- , sodium</td>
<td>81361-02-6</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-hydroxy-5-nitrophenyl]azo-3-oxo-N-phenylbutanamidato(2-)]- , hydrogen, compound with 1-butanimine (1:1)</td>
<td>1301-62-6</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-hydroxy-5-nitrophenyl]azo-3-oxo-N-phenylbutanamidato(2-)]- , sodium</td>
<td>71566-26-2</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-hydroxy-5-[[phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]- , ammonium</td>
<td>125408-78-8</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-hydroxy-5-[[phenylamino)sulfonyl]phenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]- , sodium</td>
<td>71562-83-9</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]- , sodium</td>
<td>66104-83-4</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)]- , sodium</td>
<td>72928-91-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-chlorophenyl)-3-oxobutanamidato(2-)]- , sodium</td>
<td>34735-28-9</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-N-(2-ethylhexyl)-3-oxobutanamidato(2-)]- , sodium</td>
<td>72403-31-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-[[4-[[5-chloro-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]- , sodium</td>
<td>74082-15-8</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-chloro-5-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-N-methylbenzenesulfonamidato(2-)]- , sodium</td>
<td>71839-87-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[2-chloro-5-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-N-methylbenzenesulfonamidato(2-)]- , sodium</td>
<td>70179-69-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]- , hydrogen</td>
<td>68568-52-5</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)]- , sodium, (OC-6-22')</td>
<td>34664-47-6</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxy-N-(1-methylethyl)benzenesulfonamidato(2-)]- , hydrogen, compound with 2-propanamine (1:1)</td>
<td>71839-74-2</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxy-N-[3-(1-methylethoxy)propyll]benzenesulfonamidato(2-)]- , sodium</td>
<td>72479-33-5</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[8-hydroxy-5-quinoliny]azo]benzenesulfonato(2-)]- , sodium</td>
<td>72905-57-8</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[1-[2,5-dichlorophenyl]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-ylazo]-4-hydroxybenzenesulfonamidato(2-)]- , sodium</td>
<td>75214-67-4</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[1-[3-chlorophenyl]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-ylazo]-4-hydroxybenzenesulfonamidato(2-)]- , sodium</td>
<td>73612-40-5</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[1-[3-chlorophenyl]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-ylazo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]- , sodium</td>
<td>71701-14-9</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[1-[4-chlorophenyl]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-ylazo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]- , sodium</td>
<td>67952-74-3</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[1-[4-chlorophenyl]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-ylazo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]- , sodium</td>
<td>71566-39-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[4,5-dihydro-3-methyl-1-[4-methylphenyl]-5-oxo-1H-pyrazol-4-ylazo]-4-hydroxy-N-methylbenzenesulfonamidato(2-)]- , sodium</td>
<td>70281-40-2</td>
</tr>
<tr>
<td>cobaltate(1-), bis[3-[[4-[5-chloro-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonamidato(2-)]- , sodium</td>
<td>72403-34-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[[2-hydroxy-1-naphthalenyl]amino]-N-(3-methoxypropyl]benzenesulfonamidato(2-)]-N3,O3,O4 , sodium</td>
<td>71735-52-9</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]benzenesulfonamidato(2-)]-</td>
<td>63971-70-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]benzenesulfonamidato(2-)]-, hydrogen</td>
<td>50525-57-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]benzenesulfonamidato(2-)]-, hydrogen, compound with 2-propanamine (1:1)</td>
<td>71839-84-4</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]benzenesulfonamidato(2-)]-, lithium</td>
<td>125252-57-5</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]benzenesulfonamidato(2-)]-, sodium</td>
<td>58302-43-5</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylhexyl)benzenesulfonamidato(2-)]-, sodium</td>
<td>72391-09-4</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(2-methoxyethyl)benzenesulfonamidato(2-)]-, sodium</td>
<td>83847-06-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(1-methylhexyl)benzenesulfonamidato(2-)]-, sodium</td>
<td>83804-08-4</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-(2-methoxyethyl)benzenesulfonamidato(2-)]-, sodium</td>
<td>83804-07-3</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, ammonium</td>
<td>63971-70-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, lithium</td>
<td>70236-43-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, sodium</td>
<td>70236-44-1</td>
</tr>
<tr>
<td>cobaltate(1-), bis[4-hydroxy-3-[(2-hydroxy-1-naphthalenyl)azo]-N-methylbenzenesulfonamidato(2-)]-, sodium</td>
<td>70236-43-0</td>
</tr>
<tr>
<td>cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-</td>
<td>26921-01-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-</td>
<td>26921-01-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-</td>
<td>26921-01-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-</td>
<td>26921-01-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-</td>
<td>26921-01-7</td>
</tr>
<tr>
<td>cobaltate(1-), bis[hydrogen 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(2-)]-</td>
<td>26921-01-7</td>
</tr>
<tr>
<td>cobaltate(2-), [1-[(5-chloro-2-hydroxyphenyl)azo]-6-hydroxy-N-(2-hydroxyethyl)-N-methyl-2-naphthalenesulfonamidato(2-)]-, sodium</td>
<td>73455-76-2</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium, hydrogen</td>
<td>73455-76-2</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium, hydrogen</td>
<td>73455-76-2</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium, hydrogen</td>
<td>73455-76-2</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium, hydrogen</td>
<td>73455-76-2</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]-, sodium, hydrogen</td>
<td>73455-76-2</td>
</tr>
</tbody>
</table>

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 3: Detailed List of Environmentally Hazardous Substances
<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS №</th>
</tr>
</thead>
<tbody>
<tr>
<td>cobaltate(2-), [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)], dihydrogen, compound with 2,2’-iminobis[ethanol] (1:2)</td>
<td>72987-07-6</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dinitro-6-[(2-phenylamino)-1-naphthalenyl]azo[phenol,ato(2-)]3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonato(3-)], sodium hydrogen</td>
<td>72102-52-4</td>
</tr>
<tr>
<td>cobaltate(2-), [2,4-dinitro-6-[(2-phenylamino)-1-naphthalenyl]azo][2-(2-ethylhexyl)-3-oxobutanamidato(2-)]4-[(1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphthalenyl]amino[benzenesulfonato(3-)]-</td>
<td>68928-31-4</td>
</tr>
<tr>
<td>cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, dihydrogen</td>
<td>29383-29-7</td>
</tr>
<tr>
<td>cobaltate(2-), [29H,31H-phthalocyanine-C,C-disulfonato(4-)-N29,N30,N31,N32]-, disodium</td>
<td>61045-13-4</td>
</tr>
<tr>
<td>cobaltate(2-), bis[2-[[5-[(amino sulfonyl)]-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], disodium</td>
<td>12715-61-6</td>
</tr>
<tr>
<td>cobaltate(2-), bis[2-[[5-[(amino sulfonyl)]-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], dihydrogen</td>
<td>67906-22-3</td>
</tr>
<tr>
<td>cobaltate(2-), bis[2-[[5-[(amino sulfonyl)]-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutanamidato(2-)], disodium</td>
<td>75522-91-7</td>
</tr>
<tr>
<td>cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], di lithium, (OC-6-22')-</td>
<td>67906-23-4</td>
</tr>
<tr>
<td>cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], disodium, (OC-6-22')-</td>
<td>72208-07-2</td>
</tr>
<tr>
<td>cobaltate(2-), bis[3-[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], lithium sodium, (OC-6-22')-</td>
<td>75557-21-0</td>
</tr>
<tr>
<td>cobaltate(2-), bis[3-[[1-(3-chlorophenyl)-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulfonamidato(2-)], disodium</td>
<td>70529-03-2</td>
</tr>
<tr>
<td>cobaltate(2-), bis[4-hydroxy-3-[[2-hydroxy-1-naphthalenyl]azo]benzenesulfonamidato(2-)], disodium</td>
<td>71060-75-8</td>
</tr>
<tr>
<td>cobaltate(3-), [4-amino-3-[[2-hydroxy-3,5-dinitrophenyl]azo]-1-naphthalenesulfonato(3-)]5-amino-6-[[2-hydroxy-3,5-dinitrophenyl]azo]-1-naphthalenesulfonato(3-)], trisodium</td>
<td>82457-28-1</td>
</tr>
<tr>
<td>cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)], trimmonium, (T-4)-</td>
<td>67968-65-4</td>
</tr>
<tr>
<td>cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)], tripotassium, (T-4)-</td>
<td>63597-33-1</td>
</tr>
<tr>
<td>cobaltate(3-), [N,N-bis(phosphonomethyl)glycinato(5-)], trisodium, (T-4)-</td>
<td>67968-66-5</td>
</tr>
<tr>
<td>cobaltate(3-), bis[2-[[4-hydroxy-3-[[2-phenylamino]-1-naphthalenyl]azo]phenyl]sulfonatoyl]aminobenzoato(3-)], trisodium</td>
<td>82556-12-5</td>
</tr>
<tr>
<td>cobaltate(3-), bis[2-hydroxy-5-nitro-3-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]benzenesulfonato(3-)], sodium dihydrogen</td>
<td>73507-73-0</td>
</tr>
<tr>
<td>cobaltate(3-), bis[3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfona to(3-)], trihydrogen</td>
<td>125378-89-4</td>
</tr>
<tr>
<td>cobaltate(3-), bis[3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)], trihydrogen</td>
<td>72797-08-1</td>
</tr>
<tr>
<td>cobaltate(3-), bis[3-hydroxy-4-[[2-hydroxy-1-naphthalenyl]azo]-7-nitro-1-naphthalenesulfonato(3-)], trihydrogen, compound with 2,2’-iminobis[ethanol] (1:3)</td>
<td>72797-09-2</td>
</tr>
<tr>
<td>cobaltate(3-), bis[3-hydroxy-7-nitro-4-[[1,2,3,4-tetrahydro-2,4-dioxo-3-quinolinyl]azo]-1-naphthalenesulfonato(3-)], trisodium</td>
<td>74196-11-5</td>
</tr>
<tr>
<td>cobaltate(3-), bis[4-[[2-[(2-hydroxy-5-nitrophenyl)azo]-1,3-dioxobutyl]amino]-5-methoxy-2-methylbenzenesulfonato(3-)], trihydrogen</td>
<td>62598-42-9</td>
</tr>
<tr>
<td>cobaltate(3-), bis[4-[[4-[[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxyphenyl]sulfonyl]amino[phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)], trisodium</td>
<td>75234-42-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>cobaltate(3-), bis[4-[[4-[[[5-(aminosulfonyl)-2-hydroxyphenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulfonato(3-)], trisodium</td>
<td>75214-72-1</td>
</tr>
<tr>
<td>cobaltate(3-), bis[5-chloro-2-hydroxy-3-[[2-oxo-1-[(phenylamino)carbonyl]propyl]azo]benzenesulfonato(3-)], trisodium</td>
<td>73324-01-3</td>
</tr>
<tr>
<td>cobaltate(3-), bis[6-amino-5-[[2-hydroxy-3,5-dinitrophenyl]azo]-1-naphthalenesulfonato(3-)], sodium dihydrogen</td>
<td>73297-10-6</td>
</tr>
<tr>
<td>cobaltate(3-), bis[6-amino-5-[[2-hydroxy-4-nitrophenyl]azo]-2-naphthalenesulfonato(3-)], trisodium</td>
<td>77630-54-7</td>
</tr>
<tr>
<td>cobaltate(3-), hexakis(cyano-C)-, cobalt(2+) (2:3), (OC-6-11)-</td>
<td>14123-08-1</td>
</tr>
<tr>
<td>cobaltate(3-), hexakis(cyano-C)-, tripotassium, (OC-6-11)-</td>
<td>13963-58-1</td>
</tr>
<tr>
<td>cobaltate(3-), hexakis(cyano-C)-, trisodium, (OC-6-11)-</td>
<td>14039-23-7</td>
</tr>
<tr>
<td>cobaltate(3-), hexakis(cyano-C)-, zinc (2:3), (OC-6-11)-</td>
<td>14049-79-7</td>
</tr>
<tr>
<td>cobaltate(3-), hexakis(nitrito-N)-, tripotassium, (OC-6-11)-</td>
<td>13782-01-9</td>
</tr>
<tr>
<td>cobaltate(3-), hexakis(nitrito-O)-, trisodium, (OC-6-11)-</td>
<td>14649-73-1</td>
</tr>
<tr>
<td>cobaltate(4-), [[nitrilotris(methylene)]tris<a href="6-">phosphonato</a>-N,OP,OP',OP'']-, tetrapotassium, (T-4)-</td>
<td>68000-01-1</td>
</tr>
<tr>
<td>cobaltate(4-), [[nitrilotris(methylene)]tris<a href="6-">phosphonato</a>-N,OP,OP',OP'']-, triammonium hydrogen, (T-4)-</td>
<td>67968-64-3</td>
</tr>
<tr>
<td>cobaltate(4-), [29H,31H-phthalocyanine-2,9,16,23-tetrasulfonato(6-)-N29,N30,N31,N32]-, tetrahydrogen, (SP-4-1)-</td>
<td>14285-59-7</td>
</tr>
<tr>
<td>cobaltate(4-), hexakis(cyano-C)-, tripotassium, (OC-6-11)-</td>
<td>14564-70-6</td>
</tr>
<tr>
<td>cobaltate(4-), hexakis(cyano-C)-, trisodium, (OC-6-11)-</td>
<td>14217-00-6</td>
</tr>
<tr>
<td>cobaltate(5-), bis[4-[[5-chloro-2,6-difluoro-4-pyrimidinyl]azo]-2-[[4-chloro-6-[[4,5-dihydro-4-[[2-hydroxy-5-sulfophenyl]azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]phenyl]amino]-1,3,5-triazin-2-yl]amino]benzenesulfonato(4-)], pentasodium</td>
<td>83417-32-7</td>
</tr>
<tr>
<td>cobaltate(5-), bis[4-[[6-[4-chloro-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-1-hydroxy-3-sulfob-2-naphthalenylazo]-3-hydroxy-7-nitro-1-naphthalenesulfonato(4-)], pentasodium</td>
<td>75284-36-5</td>
</tr>
<tr>
<td>cobaltate(5-), bis[4-[[4-[[4,6-dichloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)], pentasodium</td>
<td>75214-71-0</td>
</tr>
<tr>
<td>cobaltate(5-), bis[4-[[6-[4-chloro-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-1-hydroxy-3-sulfob-2-naphthalenylazo]-3-hydroxy-7-nitro-1-naphthalenesulfonato(4-)], pentasodium</td>
<td>75284-36-5</td>
</tr>
<tr>
<td>cobaltate(5-), bis[4-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)], pentasodium</td>
<td>79817-88-2</td>
</tr>
<tr>
<td>cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)], pentasodium</td>
<td>73038-30-9</td>
</tr>
<tr>
<td>cobaltate(5-), bis[5-[[4-amino-6-chloro-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)], tetrapotassium sodium</td>
<td>70776-55-5</td>
</tr>
<tr>
<td>cobaltate(5-), bis[5-[[4-chloro-6-methoxy-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitrophenyl]azo]-2,7-naphthalenedisulfonato(4-)], tetrasodium hydrogen</td>
<td>68132-93-4</td>
</tr>
<tr>
<td>cobaltate(5-), bis[6-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-4-hydroxy-3-[[2-hydroxy-5-nitro-3-sulfophenylazo]-2-naphthalenesulfonato(4-)], tetrapotassium sodium</td>
<td>74196-12-6</td>
</tr>
<tr>
<td>cobaltate(5-), bis[6-amino-5-[[2-hydroxy-5-[[2-sulfoxoyethyl]sulfonyl]phenyl]azo]-1-naphthalenesulfonato(4-)], potassium sodium</td>
<td>72269-32-0</td>
</tr>
<tr>
<td>cobaltate(5-), bis[7-hydroxy-8-[[2-hydroxy-5-nitro-3-sulfophenylazo]-6-[[2,5,6-trichloro-4-pyrimidinyl]amino]-2-naphthalenesulfonato(4-)], potassium sodium</td>
<td>74196-13-7</td>
</tr>
<tr>
<td>cobaltate(7-), [5-[[4-chloro-6-[[5-[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-2-sulfophenyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[2-hydroxy-5-sulfophenylazo]-2,7-naphthalenedisulfonato(6-)] [4-[[5-chloro-2,6-difluoro-4-pyrimidinyl]amino]-2-</td>
<td>83417-33-8</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>cobaltate(7-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonopheny)]aminonaphthalenesulfonato(5-)]-, disodium pentahydrogen</td>
<td>69898-68-6</td>
</tr>
<tr>
<td>cobaltate(7-), bis[4-hydroxy-5-[(2-hydroxy-1-naphthalenyl)azo]-3-[(2-hydroxy-3-nitro-5-sulfophenyl)azo]-2-naphthalenedisulfonato(5-)]-, heptasodium</td>
<td>74196-18-2</td>
</tr>
<tr>
<td>cobaltate(8-), bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonopheny)]aminonaphthalenesulfonato(5-)]-, tetraammonium tetrahydrogen</td>
<td>70833-34-0</td>
</tr>
<tr>
<td>cobaltate(9-), bis[5-[(4-chloro-6-[[5-[(5-chloro-2,6-difluoro-4-pyrimidinyl)aminophenyl]azophenylnaphthalene-2-sulphonato(5-)]-], nonasodium</td>
<td>83417-34-9</td>
</tr>
<tr>
<td>cobalt(II) dinitrate / cobalt-dinitrate</td>
<td>10141-05-6</td>
</tr>
<tr>
<td>cobaltocene</td>
<td>1277-43-6</td>
</tr>
<tr>
<td>cobaltocene sulphate</td>
<td>544-18-3</td>
</tr>
<tr>
<td>cobaltous bromide</td>
<td>7789-43-7</td>
</tr>
<tr>
<td>cobalt dichloride</td>
<td>7646-79-9</td>
</tr>
<tr>
<td>cobaltous formate</td>
<td>11077-19-3</td>
</tr>
<tr>
<td>cyclohexanebutanoic acid, cobalt(2+) salt</td>
<td>14017-41-5</td>
</tr>
<tr>
<td>di(5-methyl-2-cyclopentadienyl) cobalt</td>
<td>38582-17-1</td>
</tr>
<tr>
<td>di(acetato-O)(1,4-diazabicyclo[2.2.2]octane-N1)cobalt</td>
<td>68239-55-4</td>
</tr>
<tr>
<td>di-mu-carbonyltetracarbonylbis(triphenylphosphine)dicobalt</td>
<td>24121-54-2</td>
</tr>
<tr>
<td>diammonium pentahydrogen bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonopheny)]aminonaphthalene-2-sulphonato(5-)]cobaltate(7-)</td>
<td>83803-62-7</td>
</tr>
<tr>
<td>diboron cobalt(2+) tetraoxide</td>
<td>38233-75-9</td>
</tr>
<tr>
<td>dicarbonyl(eta.5-2,4-cyclopentadien-1-yl)cobalt</td>
<td>12078-25-0</td>
</tr>
<tr>
<td>dichloro(1,4-diazabiclyclo[2.2.2]octane-N1)cobalt</td>
<td>68239-57-6</td>
</tr>
<tr>
<td>dichlorobis(3-pyridylcarboxamide-N1)cobalt</td>
<td>6856-47-9</td>
</tr>
<tr>
<td>dicobalt edetate</td>
<td>36499-65-7</td>
</tr>
<tr>
<td>dicobalt orthosilicate</td>
<td>13455-33-9</td>
</tr>
<tr>
<td>dicobalt tris(sulphate)</td>
<td>13478-09-6</td>
</tr>
<tr>
<td>dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]</td>
<td>94232-84-5</td>
</tr>
<tr>
<td>dihydrogen bis[L-glutamato(2-)-N,O1]cobaltiate(2-)</td>
<td>19224-80-7</td>
</tr>
<tr>
<td>diphosphoric acid, cobalt(2+) salt (1:2)</td>
<td>14640-56-3</td>
</tr>
<tr>
<td>dipotassium [<a href="4-">N,N'-ethylenebis[N-(carboxymethyl)glycinato]</a>-N,N',O,O',ON,ON']cobaltate(2-)</td>
<td>14025-10-6</td>
</tr>
<tr>
<td>dipotassium disulphato-cobaltate</td>
<td>13596-22-0</td>
</tr>
<tr>
<td>disodium [5-[(1-anilinocarbonyl)-2-oxopropyl]azo]-4-hydroxy-3-nitrobenzenesulphonato(3-)]]<a href="2+">2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutyramidato(2-)</a>cobaltate(2-)</td>
<td>76762-27-1</td>
</tr>
<tr>
<td>Electrolytes, cobalt-manufacturing A solution used in the electrolytic refining of cobalt. The composition varies according to the particular process involved. The electrolyte generally contains high levels of cobalt ions and lower levels of impurity me</td>
<td>121053-28-9</td>
</tr>
<tr>
<td>ethanedioic acid, cobalt(2+) salt (1:1)</td>
<td>814-89-1</td>
</tr>
<tr>
<td>fatty acids, soya, polymers with acetic acid, fumaric acid, linseedoil, maleic anhydride, pentaerythritol, resin, tall oil, tall-oil fatty acids and tripentaerythritol, cobalt salts</td>
<td>70131-61-2</td>
</tr>
<tr>
<td>formic acid, cobalt salt</td>
<td>15731-88-1</td>
</tr>
<tr>
<td>heptahydrogen bis[4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]-7-[(3-phosphonopheny)]aminonaphthalene-2-sulphonato(5-)]cobaltate(7-)</td>
<td>65335-15-1</td>
</tr>
<tr>
<td>hexa(cyano-c)cobaltate(4-)</td>
<td>23209-26-9</td>
</tr>
<tr>
<td>hexanoic acid, 3,5,5-trimethyl-, cobalt(2+) salt</td>
<td>49676-83-7</td>
</tr>
<tr>
<td>hydrazinium[1+], (OC-6-21) [<a href="4-">N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]</a>-N,N',O,O',ON,ON']cobaltate(2-) (2:1)</td>
<td>68201-98-9</td>
</tr>
<tr>
<td>hydrofluoric acid, reaction products with alumina and cobalt chloride (CoCl2)</td>
<td>68442-96-6</td>
</tr>
<tr>
<td>hydrogen <a href="1-">2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)</a>[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)]cobaltate(1-)</td>
<td>52277-72-2</td>
</tr>
<tr>
<td>hydrogen [2-[(5-aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]3-[(1-(benzothiazol-2-yl)-2-oxopropyl)azo]-4-hydroxybenzenesulphonamidato(2-)cobaltate(1-)</td>
<td>83249-70-1</td>
</tr>
<tr>
<td>hydrogen bis[1-[(2-hydroxy-4-nitrophenyl)azo]naphthalen-2-olato(2-)]cobaltate(1-)</td>
<td>32517-38-7</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>hydrogen bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)</td>
<td>84030-59-1</td>
</tr>
<tr>
<td>hydrogen bis[2,4-dihydro-4-[(2-hydroxy-5-mesylphenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]cobaltate(1-)</td>
<td>29998-71-8</td>
</tr>
<tr>
<td>hydrogen bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-), compound with 2,2'-dodecyliminobis[ethanol] (1:1)</td>
<td>84030-58-0</td>
</tr>
<tr>
<td>hydrogen bis[3-[[1-(benzoiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)</td>
<td>83249-73-4</td>
</tr>
<tr>
<td>hydrogen bis[5,8-dichloro-2-[(2-hydroxy-4-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)</td>
<td>82338-72-5</td>
</tr>
<tr>
<td>hydrogen bis[5,8-dichloro-2-[(2-hydroxy-5-nitrophenyl)azo]-1-naphtholato(2-)]cobaltate(1-), compound with cyclohexylamine (1:1)</td>
<td>82338-74-7</td>
</tr>
<tr>
<td>hydrogen bis[N-[7-hydroxy-8-[(2-hydroxy-5-mesylphenyl)azo]-1-naphthyl]cobaltate(1-)</td>
<td>29616-23-7</td>
</tr>
<tr>
<td>isononanoic acid, cobalt salt</td>
<td>57364-75-7</td>
</tr>
<tr>
<td>leach residues, zinc ore-calcine, cobalt repulp</td>
<td>69012-71-1</td>
</tr>
<tr>
<td>leach residues, zinc ore-calcine, zinc cobalt</td>
<td>69012-72-2</td>
</tr>
<tr>
<td>lithium [2-[[5-(aminosulphonyl)-2-hydroxynaphtyle][3-oxo-N-phenylbutyramidato(2-)]][3-[[1-(benzoiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)</td>
<td>83270-30-8</td>
</tr>
<tr>
<td>lithium bis[2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-)</td>
<td>83733-13-5</td>
</tr>
<tr>
<td>lithium bis[3-[[1-(benzoiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)</td>
<td>83249-72-3</td>
</tr>
<tr>
<td>molybdate (Mo7O246-), cobalt(3+) (2:1)</td>
<td>68647-47-2</td>
</tr>
<tr>
<td>molybdate(3-), tetracosa-.mu.-oxododecaoxo[.mu.12-[phosphato(3-)-O:O:O:O':O':O':O'':O'':O'':O'''-dodeca-], cobalt(2+) (2:3)</td>
<td>12263-08-0</td>
</tr>
<tr>
<td>N,N'-ethylenebis(glycinato-O,N)cobalt</td>
<td>29977-10-4</td>
</tr>
<tr>
<td>neodecanoic acid, cobalt(2+) salt</td>
<td>52270-44-7</td>
</tr>
<tr>
<td>nitric acid, cobalt salt</td>
<td>14216-74-1</td>
</tr>
<tr>
<td>nitric acid, cobalt(3+) salt</td>
<td>15520-84-0</td>
</tr>
<tr>
<td>octadecanoic acid, cobalt salt</td>
<td>13586-84-0</td>
</tr>
<tr>
<td>octanoic acid, cobalt salt</td>
<td>6700-85-2</td>
</tr>
<tr>
<td>pentapotassium bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]naphthalene-2,7-disulphonato(4-)]cobaltate(5-)</td>
<td>79817-89-3</td>
</tr>
<tr>
<td>perchloric acid, cobalt(2+) salt</td>
<td>13455-31-7</td>
</tr>
<tr>
<td>phosphonic acid, (1-hydroxyethylidene)bis-, ammonium cobalt(2+) salt (1:2:1)</td>
<td>69178-34-3</td>
</tr>
<tr>
<td>phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) potassium salt (1:1:2)</td>
<td>69140-59-6</td>
</tr>
<tr>
<td>phosphonic acid, (1-hydroxyethylidene)bis-, cobalt(2+) sodium salt (1:1:2)</td>
<td>69140-60-9</td>
</tr>
<tr>
<td>phosphoric acid, ammonium cobalt(2+) salt (1:1:1)</td>
<td>14590-13-7</td>
</tr>
<tr>
<td>phosphoric acid, cobalt(2+) salt (1:1)</td>
<td>13596-21-9</td>
</tr>
<tr>
<td>phosphoric acid, cobalt(2+) salt (2:1)</td>
<td>18718-10-0</td>
</tr>
<tr>
<td>phosphoric acid, cobalt(2+) salt (2:3), hydrate</td>
<td>10101-56-1</td>
</tr>
<tr>
<td>potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cobaltate(1-)</td>
<td>63640-17-5</td>
</tr>
<tr>
<td>propanoic acid, 2,2-dimethyl-, cobalt(2+) salt</td>
<td>15520-31-7</td>
</tr>
<tr>
<td>selenic acid, cobalt(2+) salt (1:1)</td>
<td>14590-19-3</td>
</tr>
<tr>
<td>sodium [2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)][3-[[1-(benzoiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)</td>
<td>83249-69-8</td>
</tr>
<tr>
<td>sodium bis[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-2-naphtholato(2-)cobaltate(1-)</td>
<td>58870-94-5</td>
</tr>
<tr>
<td>sodium bis[3-[[1-(benzoiazol-2-yl)-2-oxopropyl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)</td>
<td>83249-71-2</td>
</tr>
<tr>
<td>sodium bis[3-[[4,5-dihydro-3-methyl-1-(4-nitrophenyl)-5-oxo-1H-pyrazol-4-yl]azo]-4-hydroxybenzenesulphonamidato(2-)]cobaltate(1-)</td>
<td>83803-65-0</td>
</tr>
<tr>
<td>sodium bis[[4-(4-chloro-1-hydroxy-2-naphthyl)azo]-N,N'-diethy1-5-hydroxybenzene-1,3-disulphonamidato(2-)]cobaltate(1-)</td>
<td>24215-94-9</td>
</tr>
<tr>
<td>sodium bis[4-hydroxy-3-[[5-hydroxynaphth[2,1-d]-1,3-oxathiol-4-yl]azo]-N-methylbenzenesulphonamid S,S-dioxidato(2-)]cobaltate(1-)</td>
<td>83877-78-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>sodium bis[methyl [8-[[[5-(ethylsulphonyl)-2-hydroxyphenyl]azo]-7-hydroxy-2-</td>
<td>55870-93-4</td>
</tr>
<tr>
<td>naphthyl]methylcarbamato(2-)]cobaltate(1-)</td>
<td></td>
</tr>
<tr>
<td>spinels, cobalt nickel zinc grey</td>
<td>95046-47-2</td>
</tr>
<tr>
<td>sulfuric acid, ammonium cobalt(2+) salt</td>
<td>13586-38-4</td>
</tr>
<tr>
<td>sulfuric acid, ammonium cobalt(2+) salt (2:2:1)</td>
<td>13596-46-8</td>
</tr>
<tr>
<td>sulfuric acid, cobalt salt hydrate</td>
<td>65492-00-4</td>
</tr>
<tr>
<td>tetrakis[(decanoato-O)cobalt]tetra-μ-oxotitanium</td>
<td>84145-31-3</td>
</tr>
<tr>
<td>tetrakis[(octanoato-O)cobalt]tetra-μ-oxotitanium</td>
<td>84176-59-0</td>
</tr>
<tr>
<td>thiocyanic acid, cobalt(2+) salt</td>
<td>3017-60-5</td>
</tr>
<tr>
<td>tri-μ- carbonylnonacarbonyltetracobalt</td>
<td>17786-31-1</td>
</tr>
<tr>
<td>tri-μ- carbonyltetracarbonyl(pentacarbonyldicobalt)dirhodium</td>
<td>50696-78-1</td>
</tr>
<tr>
<td>tricarbenylnitrosylcobalt</td>
<td>14096-82-3</td>
</tr>
<tr>
<td>tricobalt bis(orthophosphate)</td>
<td>13455-36-2</td>
</tr>
<tr>
<td>tricopper bis[hexa(cyanocarbonyl)co)allate(3-)]</td>
<td>14518-26-4</td>
</tr>
<tr>
<td>tris(heptane-3,5-dionato-O,O')cobalt</td>
<td>15188-91-7</td>
</tr>
<tr>
<td>trisodium [N,N-bis[[2-[bis(carboxymethyl)amino]ethyl]glycinato(5-)]cobalt(3-)</td>
<td>6255-07-8</td>
</tr>
<tr>
<td>trisodium bis[[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-2-hydroxy-5-nitrobenzenesulfonato(3-)cobaltate(3-)</td>
<td>84204-70-6</td>
</tr>
<tr>
<td>trisodium bis[5-amino-3-methyl-1-phenyl-1H-pyrazol-4-yl]azo]-2-hydroxy-5-nitrobenzenesulfonato(3-)cobaltate(3-)</td>
<td>83804-04-0</td>
</tr>
<tr>
<td>trisodium bis[4-[4,5-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzene-1-sulfonato(3-)]cobaltate(3-)</td>
<td>79135-28-7</td>
</tr>
<tr>
<td>trisodium bis[4-hydroxy-3-nitro-5-[[2-oxo-1-[(phenylamino)carbonyl]carbonyl]propyl][azo]benzenesulfonato(3-)]cobaltate(3-)</td>
<td>83733-22-6</td>
</tr>
<tr>
<td>trisodium bis[5-chloro-2-hydroxy-3-[2-hydroxy-1-naphthyl]azo]benzenesulfonato(3-)]cobaltate(3-)</td>
<td>6771-86-4</td>
</tr>
<tr>
<td>trisodium bis[6-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalene-1-sulfonato(3-)]cobaltate(3-)</td>
<td>84057-73-8</td>
</tr>
<tr>
<td>trisodium bis[amino[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalenesulfonato(3-)]cobaltate(3-)</td>
<td>74220-71-6</td>
</tr>
<tr>
<td>trisodium hexanitritocobaltate</td>
<td>13600-98-1</td>
</tr>
<tr>
<td>xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, bis[4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl]azo]-4-hydroxy-N-[3-(1-methylethoxy)propyl]benzenesulfonamidato(2-)cobaltate(1-)</td>
<td>71566-55-7</td>
</tr>
<tr>
<td>C.I. acid red 182</td>
<td>61901-42-6</td>
</tr>
<tr>
<td>1-propanamin, N,N-dipropyl-, cobalt complex</td>
<td>75101-45-0</td>
</tr>
<tr>
<td>cobalt borate neodecanoate complexes,</td>
<td>68457-13-6</td>
</tr>
<tr>
<td>C.I. pigment blue 28</td>
<td>1345-16-0</td>
</tr>
<tr>
<td>cobalt aluminate blue spinel</td>
<td>68186-86-7</td>
</tr>
<tr>
<td>C.I. acid blue</td>
<td>51053-44-2</td>
</tr>
<tr>
<td>C.I. pigment blue 36</td>
<td>68187-11-1</td>
</tr>
<tr>
<td>C.I. pigment green 26</td>
<td>68187-49-5</td>
</tr>
<tr>
<td>C.I. pigment violet 47</td>
<td>68610-13-9</td>
</tr>
<tr>
<td>C.I. pigment green 50</td>
<td>68186-85-6</td>
</tr>
<tr>
<td>C.I. pigment blue 72</td>
<td>68186-87-8</td>
</tr>
<tr>
<td>C.I. pigment green 19</td>
<td>8011-87-8</td>
</tr>
<tr>
<td>C.I. pigment black 27</td>
<td>68186-97-0</td>
</tr>
<tr>
<td>cobalt(II) isoalkanoates(C6-C19)</td>
<td>68409-81-4</td>
</tr>
<tr>
<td>(C9-C13) neoalkanoic acids, cobalt(2+) salts</td>
<td>68955-83-9</td>
</tr>
<tr>
<td>trisodium bis[(2-hydroxy-5-nitro-3-((phenylamino)carbonyl)propyl]azo]benzenesulfonato(3-)]cobaltate(3-)</td>
<td>85959-73-5</td>
</tr>
<tr>
<td>zinc chrome cobalt aluminate blue spinel</td>
<td>74665-01-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1-tert-butyl-3,5-dimethyl-2,4,6-trinitrobenzene</td>
<td>81-15-2</td>
</tr>
<tr>
<td>5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)</td>
<td></td>
</tr>
<tr>
<td>coal tar pitch, high temperature</td>
<td>65996-93-2</td>
</tr>
<tr>
<td>alumino-silicate, refractory ceramic fibres</td>
<td>AL57</td>
</tr>
<tr>
<td>zirconia alumino-silicate, refractory ceramic fiber</td>
<td>AL58</td>
</tr>
<tr>
<td>ceramic fibers</td>
<td>142844-00-6</td>
</tr>
<tr>
<td>calcium-magnesium-zirconium-silicate mixture</td>
<td>329211-92-9</td>
</tr>
<tr>
<td>aluminium chloride, basic reaction products with silica</td>
<td>675106-31-7</td>
</tr>
<tr>
<td>cristobalite</td>
<td>14464-46-1</td>
</tr>
<tr>
<td>2,4-dinitrotoluene</td>
<td>121-14-2</td>
</tr>
<tr>
<td>acrylamide</td>
<td>79-06-1</td>
</tr>
<tr>
<td>boric acid</td>
<td>10043-35-3</td>
</tr>
<tr>
<td>tetraboron disodium heptaoxide</td>
<td>1330-43-4</td>
</tr>
<tr>
<td>tetraboron disodium heptaoxide hydrate</td>
<td>12179-04-3</td>
</tr>
<tr>
<td>tetraboron disodium heptaoxide hydrate</td>
<td>1303-96-4</td>
</tr>
<tr>
<td>propan-2-ol</td>
<td>67-63-0</td>
</tr>
<tr>
<td>toluene</td>
<td>108-88-3</td>
</tr>
<tr>
<td>acetone</td>
<td>67-64-1</td>
</tr>
<tr>
<td>butyl acetate</td>
<td>123-86-4</td>
</tr>
<tr>
<td>methanol</td>
<td>67-56-1</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
</tr>
<tr>
<td>2-butane</td>
<td>78-93-3</td>
</tr>
<tr>
<td>dichloromethane</td>
<td>75-09-2</td>
</tr>
<tr>
<td>styrene</td>
<td>100-42-5</td>
</tr>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
</tr>
<tr>
<td>ethyl benzene</td>
<td>100-41-4</td>
</tr>
<tr>
<td>tetrahydrofuran</td>
<td>109-99-9</td>
</tr>
<tr>
<td>2-propanol, 1-methoxy-</td>
<td>107-98-2</td>
</tr>
<tr>
<td>1-butanol</td>
<td>71-36-3</td>
</tr>
<tr>
<td>chloroform/trichloromethane (chloroform)</td>
<td>67-66-3</td>
</tr>
<tr>
<td>methyl isobutyl ketone</td>
<td>108-10-1</td>
</tr>
<tr>
<td>heptane</td>
<td>142-82-5</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>141-78-6</td>
</tr>
<tr>
<td>trichloroethylene</td>
<td>79-01-6</td>
</tr>
<tr>
<td>cyclohexanone</td>
<td>108-94-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>hydrazine</td>
<td>7803-57-8, 302-01-2</td>
</tr>
<tr>
<td>1-methylpyrrolidin-2-one(2-pyrrolidinone, 1-methyl)</td>
<td>872-50-4</td>
</tr>
<tr>
<td>1-methylpyrrolidin-2-one (2-Pyrrolidinone, 1-methyl)</td>
<td></td>
</tr>
<tr>
<td>formaldehyde, oligomeric reaction products with aniline</td>
<td>25214-70-4</td>
</tr>
<tr>
<td>4-(1,1,3,3-tetramethylbutyl)phenol</td>
<td>140-66-9</td>
</tr>
<tr>
<td>N,N-dimethylacetamide</td>
<td>127-19-5</td>
</tr>
<tr>
<td>phenolphthalein</td>
<td>77-09-8</td>
</tr>
<tr>
<td>hexachlorobenzene</td>
<td>118-74-1</td>
</tr>
<tr>
<td>chlorinated or brominated dibenzo-p-dioxins or dibenzofurans</td>
<td></td>
</tr>
<tr>
<td>1,2,3,4,6,7,8-heptachlorodibenzofuran</td>
<td>67562-39-4</td>
</tr>
<tr>
<td>1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin</td>
<td>35822-46-9</td>
</tr>
<tr>
<td>1,2,3,4,7,8,9-hexachlorodibenzofuran</td>
<td>55673-89-7</td>
</tr>
<tr>
<td>1,2,3,4,7,8-hexachlorodibenzofuran</td>
<td>70648-26-9</td>
</tr>
<tr>
<td>1,2,3,4,7,8-hexachlorodibenzo-p-dioxin</td>
<td>39227-28-6</td>
</tr>
<tr>
<td>1,2,3,6,7,8-hexachlorodibenzofuran</td>
<td>57117-44-9</td>
</tr>
<tr>
<td>1,2,3,6,7,8-hexachlorodibenzo-p-dioxin</td>
<td>57653-85-7</td>
</tr>
<tr>
<td>1,2,3,7,8,9-hexachlorodibenzofuran</td>
<td>72918-21-9</td>
</tr>
<tr>
<td>1,2,3,7,8,9-hexachlorodibenzo-p-dioxin</td>
<td>19408-74-3</td>
</tr>
<tr>
<td>1,2,3,7,8-pentachlorodibenzo-p-dioxin</td>
<td>57117-41-6</td>
</tr>
<tr>
<td>2,3,4,6,7,8-hexachlorodibenzofurans</td>
<td>40321-76-4</td>
</tr>
<tr>
<td>2,3,4,7,8-pentachlorodibenzofurans</td>
<td>60851-34-5</td>
</tr>
<tr>
<td>2,3,7,8-tetrachlorodibenzofurans</td>
<td>57117-31-4</td>
</tr>
<tr>
<td>2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)</td>
<td>51207-31-9</td>
</tr>
<tr>
<td>2,7-dichlorodibenzo-p-dioxin</td>
<td>1746-01-6</td>
</tr>
<tr>
<td>hexachlorodibenzodioxin</td>
<td>33857-26-0</td>
</tr>
<tr>
<td>octachlorodibenzofuran</td>
<td>34465-46-8</td>
</tr>
<tr>
<td>octachlorodibenzo-p-dioxin</td>
<td>39001-02-0</td>
</tr>
<tr>
<td>dodecachloropentacyclo 1, 3, 4-metheno-1H-cyclobuta(cd)pentalene, mirex</td>
<td>3268-87-9</td>
</tr>
<tr>
<td>dodecachloropentacyclo 1, 3, 4-metheno-1H-cyclobuta(cd)pentalene, mirex</td>
<td>2385-85-5</td>
</tr>
<tr>
<td>4-nitrophenyl and its salts</td>
<td>92-93-3</td>
</tr>
<tr>
<td>N-nitrosamines</td>
<td></td>
</tr>
<tr>
<td>N-nitroso diethanol amine</td>
<td>1116-54-7</td>
</tr>
<tr>
<td>N-nitroso diethyl amine</td>
<td>55-18-5</td>
</tr>
<tr>
<td>N-nitroso dimethyl amine</td>
<td>62-75-9</td>
</tr>
<tr>
<td>N-nitroso ethyl phenyl amine</td>
<td>612-64-6</td>
</tr>
<tr>
<td>N-nitroso methyl ethyl amine</td>
<td>10595-95-6</td>
</tr>
<tr>
<td>N-nitroso methyl phenyl amine</td>
<td>614-00-6</td>
</tr>
<tr>
<td>N-nitroso morpholine</td>
<td>59-89-2</td>
</tr>
<tr>
<td>N-nitroso pyrrolidine</td>
<td>930-55-2</td>
</tr>
<tr>
<td>N-nitrosodi-i-propyl amine</td>
<td>601-77-4</td>
</tr>
<tr>
<td>N-nitrosodi-n-butylamine</td>
<td>924-16-3</td>
</tr>
<tr>
<td>N-nitrosodi-n-propyl amine</td>
<td>621-64-7</td>
</tr>
<tr>
<td>N-nitrosopiperidine</td>
<td>100-75-4</td>
</tr>
<tr>
<td>phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-</td>
<td>3846-71-7</td>
</tr>
<tr>
<td>phenol., 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>vinyl chloride monomer</td>
<td>75-01-4</td>
</tr>
<tr>
<td>[4-(4',4'-bis(dimethylamino)benzhydrylidene)cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride</td>
<td>548-62-9</td>
</tr>
<tr>
<td>chlorinated flame retardants</td>
<td></td>
</tr>
<tr>
<td>monomethyltetrachlorodiphenylmethane</td>
<td>76253-60-6</td>
</tr>
<tr>
<td>tetrakis(2-chloroethyl)dichloroisopentylidipate</td>
<td>38051-10-4</td>
</tr>
<tr>
<td>tris(1-chloro-2-propyl)phosphate</td>
<td>13674-84-5</td>
</tr>
<tr>
<td>tris(2,3-dichloro-1-propyl)phosphate</td>
<td>661108-37-0</td>
</tr>
<tr>
<td>other chlorinated flame retardants</td>
<td>AL47</td>
</tr>
<tr>
<td>specified organic pigment</td>
<td></td>
</tr>
<tr>
<td>4-[(2,5-dichlorophenyl)azo]-3-hydroxy-N-phenylnaphthalene-2-carboxamide (pigment red 2)</td>
<td>6041-94-7</td>
</tr>
<tr>
<td>quino[2,3-b]acridine-7,14-dione, 5,12-dihydro-2,9-dimethyl- (pigment red 122)</td>
<td>980-26-7</td>
</tr>
<tr>
<td>2-[(2,5-Dichlorophenyl)diazeyln]-N-(6-ethoxy-1,3-benzothiazol-2-yl)-3-oxobutanamide (C. I. pigment yellow 165)</td>
<td>38489-25-7</td>
</tr>
<tr>
<td>N,N,N'-Bis(2,4-dimethylphenyl)-3,3'-dioxo-2,2'-(3,3'-dichlorobiphenyl-4,4'-diyl)bis(diazeylnediyl)ditobutanamide</td>
<td>5102-83-0</td>
</tr>
<tr>
<td>butanamide, 2,2'-(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxo-</td>
<td>5567-15-7</td>
</tr>
<tr>
<td>1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)</td>
<td>112-49-2</td>
</tr>
<tr>
<td>diboron trioxide</td>
<td>1303-86-2</td>
</tr>
<tr>
<td>formamide</td>
<td></td>
</tr>
<tr>
<td>formamide</td>
<td>75-12-7</td>
</tr>
<tr>
<td>TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6,(1H,3H,5H)-trione)</td>
<td></td>
</tr>
<tr>
<td>TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6,(1H,3H,5H)-trione)</td>
<td>2451-62-9</td>
</tr>
<tr>
<td>β-TGIC (1,3,5-tris((2S and 2R)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)</td>
<td></td>
</tr>
<tr>
<td>β-TGIC (1,3,5-tris((2S and 2R)-2,3-epoxypropyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)</td>
<td>59653-74-6</td>
</tr>
<tr>
<td>4,4'-bis(dimethylamino)benzophenone (michler's ketone)</td>
<td>90-94-8</td>
</tr>
<tr>
<td>N,N,N',N'-tetramethyl-4,4'-methylenedianiline (michler's base)</td>
<td>101-61-1</td>
</tr>
<tr>
<td>N,N,N,N'-tetramethyl-4,4'-methylenedianiline (michler's base)</td>
<td></td>
</tr>
<tr>
<td>[4-[(4-anilino-1-naphthyl)[4-(dimethylamino)phenyl)methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. basic blue 26)</td>
<td></td>
</tr>
<tr>
<td>4,4'-bis(dimethylamino)phenyl-4-(phenylamino)naphthalene-1-methanol (C.I. solvent blue 4)</td>
<td>6786-83-0</td>
</tr>
<tr>
<td>4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol</td>
<td>561-41-1</td>
</tr>
<tr>
<td>pentacosafluorotridecanoic acid</td>
<td>72629-94-8</td>
</tr>
<tr>
<td>tricosafluorododecanoic acid</td>
<td>307-55-1</td>
</tr>
<tr>
<td>heptacosafluoroundecanoic acid</td>
<td>2058-94-8</td>
</tr>
<tr>
<td>heptacosafluorotetradecanoic acid</td>
<td></td>
</tr>
<tr>
<td>diazene-1,2-dicarboxamide (C,C'-azodi(formamide))</td>
<td>376-06-7</td>
</tr>
<tr>
<td>diazene-1,2-dicarboxamide (C,C'-azodi(formamide))</td>
<td>123-77-3</td>
</tr>
<tr>
<td>cyclohexane-1,2-dicarboxylic anhydride (hexahydrophthalic anhydride - HHPA)</td>
<td></td>
</tr>
<tr>
<td>cyclohexane-1,2-dicarboxylic anhydride (hexahydrophthalic anhydride - HHPA)</td>
<td>85-42-7</td>
</tr>
<tr>
<td>13149-00-3</td>
<td></td>
</tr>
<tr>
<td>14166-21-3</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>hexahydromethylphthalic anhydride</td>
<td>25550-51-0</td>
</tr>
<tr>
<td></td>
<td>19438-60-9</td>
</tr>
<tr>
<td></td>
<td>48122-14-1</td>
</tr>
<tr>
<td></td>
<td>57110-29-9</td>
</tr>
<tr>
<td>4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</td>
<td>AL61</td>
</tr>
<tr>
<td>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - [covering well-defined substances and UVCB substances, polymers and homologues]</td>
<td></td>
</tr>
<tr>
<td>methoxyacetic acid</td>
<td>625-45-6</td>
</tr>
<tr>
<td>methylxirane (propylene oxide)</td>
<td>75-56-9</td>
</tr>
<tr>
<td>1,2-benzenedicarboxylic acid, dipentylester, branched and linear</td>
<td>84777-06-0</td>
</tr>
<tr>
<td>1,2-dioxyethane</td>
<td>629-14-1</td>
</tr>
<tr>
<td>furan</td>
<td>110-00-9</td>
</tr>
<tr>
<td>diethyl sulphate</td>
<td>64-67-5</td>
</tr>
<tr>
<td>dimethyl sulphate</td>
<td>77-78-1</td>
</tr>
<tr>
<td>3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine</td>
<td>143860-04-2</td>
</tr>
<tr>
<td>3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine, dinoseb (6-sec-butyl-2,4-dinitrophenol)</td>
<td>88-85-7</td>
</tr>
<tr>
<td>dinoseb (6-sec-butyl-2,4-dinitrophenol)</td>
<td></td>
</tr>
<tr>
<td>acetamide, N-methyl-</td>
<td>79-16-3</td>
</tr>
<tr>
<td>dimethylformamide (N,N-dimethylformamide)</td>
<td>68-12-2</td>
</tr>
<tr>
<td>4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</td>
<td></td>
</tr>
<tr>
<td>PFOA and its salts, perfluorooctanoic acids C8F15O2X (X = H, NH4, and Metal salts)</td>
<td></td>
</tr>
<tr>
<td>PFOA - perfluorooctanoic acid</td>
<td>335-67-1</td>
</tr>
<tr>
<td>ammonium salt of PFOA</td>
<td>3825-26-1</td>
</tr>
<tr>
<td>sodium salt of PFOA</td>
<td>335-95-5</td>
</tr>
<tr>
<td>potassium salt of PFOA</td>
<td>2395-00-8</td>
</tr>
<tr>
<td>silver salt of PFOA</td>
<td>335-93-3</td>
</tr>
<tr>
<td>phenol,, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1’-dimethylethyl)-phenol,, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1’-dimethylethyl)-</td>
<td>3864-99-1</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>acetamide</td>
<td>60-35-5</td>
</tr>
<tr>
<td>acetonitrile</td>
<td>75-05-8</td>
</tr>
<tr>
<td>acrylonitrile</td>
<td>107-13-1</td>
</tr>
<tr>
<td>ammonium perchlorate</td>
<td>7790-98-9</td>
</tr>
<tr>
<td>aniline</td>
<td>62-53-3</td>
</tr>
<tr>
<td>aniline chloride</td>
<td>142-04-1</td>
</tr>
<tr>
<td>anilinetrifluoroboron</td>
<td>660-53-7</td>
</tr>
<tr>
<td>benzenamine sulfate (2:1)</td>
<td>542-16-5</td>
</tr>
<tr>
<td>salts from 2,2’-dichloro-4,4’-methylendianilin</td>
<td>AL66</td>
</tr>
<tr>
<td>3,5-dichloro-4-(1,1,2,2-tetrafluorooxy)aniline</td>
<td>104147-32-2</td>
</tr>
<tr>
<td>salts from 4,4’-carbonimidoylbis[N,N-dimethylanilin]</td>
<td>AL66</td>
</tr>
<tr>
<td>aniline and its salts</td>
<td>AL66</td>
</tr>
<tr>
<td>aromatic amines</td>
<td></td>
</tr>
<tr>
<td>n-phenyl-2-naphthylamine</td>
<td>135-88-6</td>
</tr>
<tr>
<td>diphenylmethylbenzenediamine</td>
<td>68479-98-1</td>
</tr>
<tr>
<td>diphenylamine</td>
<td>106264-79-3</td>
</tr>
<tr>
<td>1,3-benzenediamine, 4,6-diethyl-2-methyl-</td>
<td>2095-01-4</td>
</tr>
<tr>
<td>1,3-benzenediamine, 2,4-diethyl-6-methyl-</td>
<td>2095-02-5</td>
</tr>
<tr>
<td>o-toluidine, 4-chloro-, hydrochloride</td>
<td>3165-93-3</td>
</tr>
<tr>
<td>anisole, 2,4-diamino-, sulphate</td>
<td>39156-41-7</td>
</tr>
<tr>
<td>benzenamine, 2-methyl-5-nitro-, monohydrochloride</td>
<td>51085-52-0</td>
</tr>
<tr>
<td>3,5-dichloro-4-(1,1,2,2-tetrafluoroxy)aniline</td>
<td>104147-32-2</td>
</tr>
<tr>
<td>benzenamine, 4-[(4-aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl], monohydrochloride</td>
<td>569-61-9</td>
</tr>
<tr>
<td>barium compounds (organic or water soluble)</td>
<td></td>
</tr>
<tr>
<td>barium</td>
<td>7440-39-3</td>
</tr>
<tr>
<td>barium 2-(2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzoate (3:2)</td>
<td>15782-06-6</td>
</tr>
<tr>
<td>barium 4- (5-chloro-4-methyl-2-sulphonatophenyl)azo -3-hydroxy-2-naphthoate</td>
<td>7585-41-3</td>
</tr>
<tr>
<td>barium 4-(1,1-dimethyllethyl)benzoate</td>
<td>10196-68-6</td>
</tr>
<tr>
<td>barium bis 5-chloro-4-ethyl-2- (2-hydroxy-1-naphthyl)azo benzenesulp...</td>
<td>67801-01-8</td>
</tr>
<tr>
<td>barium bis(2-ethylhexanoate)</td>
<td>2457-01-4</td>
</tr>
<tr>
<td>barium bis(dinonylnaphthalenesulphonate)</td>
<td>25619-56-1</td>
</tr>
<tr>
<td>barium bis(4-nonylphenol)</td>
<td>28987-17-9</td>
</tr>
<tr>
<td>barium distearate</td>
<td>6865-35-6</td>
</tr>
<tr>
<td>barium oxide, obtained by calcining witherite</td>
<td>1304-28-5</td>
</tr>
<tr>
<td>barium(2+) hydrogen 2- (2-hydroxy-3,6-disulphonato-1-naphthyl)azo benzoate</td>
<td>1325-16-2</td>
</tr>
<tr>
<td>barium-chlorate</td>
<td>13477-00-4</td>
</tr>
<tr>
<td>barium-chloride</td>
<td>10361-37-2</td>
</tr>
<tr>
<td>barium-cyanide</td>
<td>542-62-1</td>
</tr>
<tr>
<td>barium-dilaurate</td>
<td>4696-57-5</td>
</tr>
<tr>
<td>barium-dioleate</td>
<td>591-65-1</td>
</tr>
<tr>
<td>barium-fluoride</td>
<td>7787-32-8</td>
</tr>
<tr>
<td>barium-hydroxide</td>
<td>17194-00-2</td>
</tr>
<tr>
<td>barium-hydroxide-octahydrate</td>
<td>12230-71-6</td>
</tr>
<tr>
<td>barium-neodecanoate</td>
<td>55172-98-0</td>
</tr>
<tr>
<td>barium-nitrate</td>
<td>10022-31-8</td>
</tr>
<tr>
<td>barium perchlorate</td>
<td>13465-95-7</td>
</tr>
<tr>
<td>barium-permanganate</td>
<td>7787-36-2</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>barium-peroxide</td>
<td>1304-29-6</td>
</tr>
<tr>
<td>barium-sebacate</td>
<td>19856-32-7</td>
</tr>
<tr>
<td>naphthenic acid, barium salts</td>
<td>61789-67-1</td>
</tr>
<tr>
<td>benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)</td>
<td>68921-45-9</td>
</tr>
<tr>
<td>1,4-benzenediamine, N,N' -mixed Ph and tolyl derivs</td>
<td>68953-84-4</td>
</tr>
<tr>
<td>2-benzothiazolesulphenamide, N, N-dicyclohexyl-</td>
<td>4979-32-2</td>
</tr>
<tr>
<td>butadiene, 1,3 -</td>
<td>106-99-0</td>
</tr>
<tr>
<td>colophony (rosin)</td>
<td></td>
</tr>
<tr>
<td>rosin</td>
<td>8050-09-7</td>
</tr>
<tr>
<td>colophony resin</td>
<td>148499-15-4</td>
</tr>
<tr>
<td>resin acids and rosin acids zinc salts</td>
<td>91081-53-7</td>
</tr>
<tr>
<td>copper</td>
<td></td>
</tr>
<tr>
<td>copper (metallic)</td>
<td></td>
</tr>
<tr>
<td>cyclohexane</td>
<td>7440-50-8</td>
</tr>
<tr>
<td>2-cyclohexen-1-one, 3,5,5-trimethyl-</td>
<td></td>
</tr>
<tr>
<td>cyclopentasiloxane, decamethyl-</td>
<td></td>
</tr>
<tr>
<td>cyclopentasiloxane, heptamethylphenyl-</td>
<td></td>
</tr>
<tr>
<td>cyclohexane</td>
<td>110-82-7</td>
</tr>
<tr>
<td>2-cyclohexen-1-one, 3,5,5-trimethyl-</td>
<td>78-59-1</td>
</tr>
<tr>
<td>decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl)ester</td>
<td></td>
</tr>
<tr>
<td>decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl)ester</td>
<td>41556-26-7</td>
</tr>
<tr>
<td>epichlorohydrin (1-chloro-2,3-epoxypropane)</td>
<td>106-89-8</td>
</tr>
<tr>
<td>1-ethylnpyrrolidin-2-one (2-Pyrrolidione, 1-ethenyl-)</td>
<td>104-48-0-6</td>
</tr>
<tr>
<td>1-ethylnpyrrolidin-2-one (2-Pyrrolidione, 1-ethenyl-)</td>
<td>88-12-0</td>
</tr>
<tr>
<td>fatty acids, C6-19-branched, zinc salts</td>
<td>68551-44-0</td>
</tr>
<tr>
<td>fluorotelomers (Some substances may not have CAS#s)</td>
<td></td>
</tr>
<tr>
<td>8-2 telomer alcohol</td>
<td>678-39-7</td>
</tr>
<tr>
<td>8-2 telomer olefin</td>
<td>21652-58-4</td>
</tr>
<tr>
<td>2-(perfluoroctyl)ethyl iodide, 8-2 telomer iodide</td>
<td>2043-53-0</td>
</tr>
<tr>
<td>C8 iodide</td>
<td>507-63-1</td>
</tr>
<tr>
<td>C10-2 fluorotelomer alcohol</td>
<td>865-86-1</td>
</tr>
<tr>
<td>C10-2 telomer B iodide</td>
<td>2043-54-1</td>
</tr>
<tr>
<td>2-furancarboxaldehyde</td>
<td></td>
</tr>
<tr>
<td>2-Furancarboxaldehyde</td>
<td>98-01-1</td>
</tr>
<tr>
<td>methylacrylamidomethoxy-acetate</td>
<td></td>
</tr>
<tr>
<td>hexanedioic acid, bis(2-ethylhexyl) ester</td>
<td>103-23-1</td>
</tr>
<tr>
<td>hexanoic acid, 2-ethyl-</td>
<td>149-57-5</td>
</tr>
<tr>
<td>methylacrylamidomethoxy-acetate</td>
<td></td>
</tr>
<tr>
<td>2-naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo]-</td>
<td>2425-85-6</td>
</tr>
<tr>
<td>2-naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo]-</td>
<td></td>
</tr>
<tr>
<td>nitrites</td>
<td>13446-48-5</td>
</tr>
<tr>
<td>ammonium nitrite</td>
<td></td>
</tr>
<tr>
<td>Substance</td>
<td>CAS No</td>
</tr>
<tr>
<td>---------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>amyl nitrite</td>
<td>110-46-3</td>
</tr>
<tr>
<td>barium nitrite hydrate</td>
<td>115216-77-8</td>
</tr>
<tr>
<td>butyl nitrite</td>
<td>544-16-1</td>
</tr>
<tr>
<td>calcium nitrite</td>
<td>13780-06-8</td>
</tr>
<tr>
<td>calcium nitrite hydrated</td>
<td>10031-34-2</td>
</tr>
<tr>
<td>ethyl nitrite</td>
<td>109-95-5</td>
</tr>
<tr>
<td>isobutyl nitrite</td>
<td>542-56-3</td>
</tr>
<tr>
<td>magnesium nitrite</td>
<td>15070-34-5</td>
</tr>
<tr>
<td>nickel nitrite</td>
<td>17861-62-0</td>
</tr>
<tr>
<td>potassium nitrite</td>
<td>7758-09-0</td>
</tr>
<tr>
<td>silver nitrite</td>
<td>7783-99-5</td>
</tr>
<tr>
<td>sodium nitrite</td>
<td>7632-00-0</td>
</tr>
<tr>
<td>tert-butyl nitrite</td>
<td>540-80-7</td>
</tr>
<tr>
<td>dicyclohexylammonium nitrite</td>
<td>3129-91-7</td>
</tr>
<tr>
<td>diethylene glycol, isononylphenyl ether</td>
<td>65455-72-3</td>
</tr>
<tr>
<td>ethanol, 2-[2-(nonylphenoxy)ethoxy]-</td>
<td>27176-93-8</td>
</tr>
<tr>
<td>ethylene oxide-nonylphenol, polymer</td>
<td>9016-45-9</td>
</tr>
<tr>
<td>nonylphenol, polyethylene glycol ether</td>
<td>20636-48-0</td>
</tr>
<tr>
<td>nonylphenol, polyethylene glycol ether</td>
<td>27177-01-1</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy</td>
<td>27942-26-3</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(1-oxo-2-propenyl)-omega-(nonylphenox)</td>
<td>50974-47-5</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, phosphate</td>
<td>51811-79-1</td>
</tr>
<tr>
<td>nonylphenol polyoxyethylene sulfosuccinate</td>
<td>54612-36-1</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched, phosphates</td>
<td>68412-53-3</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(nonylphenox), branched, ammonium salt</td>
<td>68649-55-8</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-sulfoxo)-, sodium salt</td>
<td>9014-90-8</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-(nonylphenox), ammonium salt</td>
<td>9051-57-4</td>
</tr>
<tr>
<td>poly (oxy-1,2-ethanediyl), alpha -(4-nonylphenyl)-omega-hydroxy -</td>
<td>26027-38-3</td>
</tr>
<tr>
<td>poly (oxy-1,2-ethanediyl), alpha –(nonylphenyl)-omega-hydroxy, branched</td>
<td>68412-54-4</td>
</tr>
<tr>
<td>poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched</td>
<td>127087-87-0</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(2-nonylphenyl)-omega-hydroxy-</td>
<td>51938-25-1</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-(isonoonylphenyl)-omega-hydroxy-</td>
<td>37205-87-1</td>
</tr>
<tr>
<td>ammonium perchlorate</td>
<td>7790-98-9</td>
</tr>
<tr>
<td>barium perchlorate</td>
<td>13465-95-7</td>
</tr>
<tr>
<td>lead perchlorate</td>
<td>13637-76-8</td>
</tr>
<tr>
<td>lithium perchlorate</td>
<td>7791-03-9</td>
</tr>
<tr>
<td>magnesium perchlorate</td>
<td>10034-81-8</td>
</tr>
<tr>
<td>perchloric acid, reaction products with lead oxide (pbo) and triethanolamine</td>
<td>99749-31-2</td>
</tr>
<tr>
<td>perchloric acid, cobalt (2+) salt</td>
<td>13455-31-7</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------</td>
<td>-------</td>
</tr>
<tr>
<td>perchloric acid, mercury(2+) salt</td>
<td>7616-83-3</td>
</tr>
<tr>
<td>perchloric acid, nickel(2+) salt, hexahydrate</td>
<td>13520-61-1</td>
</tr>
<tr>
<td>nickel perchlorate</td>
<td>13637-71-3</td>
</tr>
<tr>
<td>potassium perchlorate</td>
<td>7778-74-3</td>
</tr>
<tr>
<td>sodium perchlorate</td>
<td>7601-89-0</td>
</tr>
<tr>
<td>thallium(3+) perchlorate</td>
<td>15596-83-5</td>
</tr>
<tr>
<td>phenol</td>
<td>108-95-2</td>
</tr>
<tr>
<td>phenol, 2,4,6-tris(1,1-dimethylethyl)-</td>
<td>732-26-3</td>
</tr>
<tr>
<td>phenylenediamines and its salts</td>
<td></td>
</tr>
<tr>
<td>2,6-dichloro-p-phenylenediamine</td>
<td>609-20-1</td>
</tr>
<tr>
<td>2-ethoxy-N4,N4-diethyl-p-phenylenediamine</td>
<td>2359-46-8</td>
</tr>
<tr>
<td>2-methoxy-5-methyl-p-phenylenediamine</td>
<td>5307-00-6</td>
</tr>
<tr>
<td>2-nitro-p-phenylenediamine</td>
<td>5307-14-2</td>
</tr>
<tr>
<td>4-chloro-o-phenylenediamine</td>
<td>95-83-0</td>
</tr>
<tr>
<td>dimethyl-p-phenylenediamine</td>
<td>99-98-9</td>
</tr>
<tr>
<td>m-phenylenediamine</td>
<td>108-45-2</td>
</tr>
<tr>
<td>m-phenylenediamine dihydrochloride</td>
<td>541-69-5</td>
</tr>
<tr>
<td>N,N'-diphenyl-p-phenylenediamine</td>
<td>74-31-7</td>
</tr>
<tr>
<td>o-phenylenediamine</td>
<td>95-54-5</td>
</tr>
<tr>
<td>o-phenylenediamine dihydrochloride</td>
<td>615-28-1</td>
</tr>
<tr>
<td>phenylenediamines</td>
<td>25265-76-3</td>
</tr>
<tr>
<td>p-phenylenediamine</td>
<td>106-50-3</td>
</tr>
<tr>
<td>p-phenylenediamine dihydrochloride</td>
<td>624-18-0</td>
</tr>
<tr>
<td>p-phenylenediamine hydrochloride</td>
<td>55972-71-9</td>
</tr>
<tr>
<td>phosphonium, triphenyl(phenylmethyl)-, salt with 4,4′-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol,] (1:1)</td>
<td>75768-65-9</td>
</tr>
<tr>
<td>polyamine curing agents</td>
<td></td>
</tr>
<tr>
<td>bis-hexamethylenetriamine</td>
<td>143-23-7</td>
</tr>
<tr>
<td>triethyleneglycoldiamine</td>
<td>929-59-9</td>
</tr>
<tr>
<td>poly(propyleneglycol)triamine</td>
<td>64852-22-8</td>
</tr>
<tr>
<td>poly(propyleneglycol)diamine</td>
<td>9046-10-0</td>
</tr>
<tr>
<td>pentaethylenhexamine</td>
<td>4067-16-7</td>
</tr>
<tr>
<td>hexamethylenetetramine</td>
<td>100-97-0</td>
</tr>
<tr>
<td>silica, crystalline</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>siloxanes and silicones</td>
<td></td>
</tr>
<tr>
<td>silanamine, 1,1,1-trimethyl-N-((trimethylsilyl)-, reaction products with ammonia, octamethylycyclotrimersiloxane and silica</td>
<td>68937-51-9</td>
</tr>
<tr>
<td>siloxanes and silicones, di-Me, hydrogen-terminated</td>
<td>70900-21-9</td>
</tr>
<tr>
<td>siloxanes and Silicons, Me 3,3,3-trifluoropropyl, Me vinyl,hydroxy-terminated</td>
<td>68952-02-3</td>
</tr>
<tr>
<td>sodium azide</td>
<td>26628-22-8</td>
</tr>
<tr>
<td>styrene ( vinyl benzene )</td>
<td>100-42-5</td>
</tr>
<tr>
<td>styrene oxide (epoxy styrene)</td>
<td>96-09-3</td>
</tr>
<tr>
<td>thallium and its compounds</td>
<td></td>
</tr>
<tr>
<td>(pentane-2,4-dionato-O,O')thallium</td>
<td>14219-90-0</td>
</tr>
<tr>
<td>thallium (III) acetate sesquihydrate (C2H4O2.1/3Tl)</td>
<td>2570-63-0</td>
</tr>
<tr>
<td>thallium(III) trifluoroacetate (C2HF3O2.1/3Tl)</td>
<td>23586-53-0</td>
</tr>
<tr>
<td>antimony, compound with thallium (1:1)</td>
<td>29095-38-3</td>
</tr>
<tr>
<td>Substance</td>
<td>CAS №</td>
</tr>
<tr>
<td>-----------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>bismuth, compound with thallium (1:1)</td>
<td>12048-36-1</td>
</tr>
<tr>
<td>dithallium telluride (TeTI2)</td>
<td>12040-13-0</td>
</tr>
<tr>
<td>thallium (I) ethanolate</td>
<td>20398-06-5</td>
</tr>
<tr>
<td>thallium formate</td>
<td>992-98-3</td>
</tr>
<tr>
<td>niobium thallium trioxide</td>
<td>12396-77-9</td>
</tr>
<tr>
<td>thallium trinitrate (HNO3.1/3Tl)</td>
<td>13746-98-0</td>
</tr>
<tr>
<td>silver thallium dinitrate</td>
<td>25822-21-3</td>
</tr>
<tr>
<td>thallic oxide</td>
<td>1314-32-5</td>
</tr>
<tr>
<td>thallium</td>
<td>7440-28-0</td>
</tr>
<tr>
<td>thallium(III) nitrate trihydrate</td>
<td>13453-38-8</td>
</tr>
<tr>
<td>thallium acetate</td>
<td>15843-14-8</td>
</tr>
<tr>
<td>thallium arsenide (TlAs)</td>
<td>12006-09-6</td>
</tr>
<tr>
<td>thallium bromide</td>
<td>7789-40-4</td>
</tr>
<tr>
<td>thallium bromide (TIBr3)</td>
<td>13701-90-1</td>
</tr>
<tr>
<td>thallium chlorate</td>
<td>13453-30-0</td>
</tr>
<tr>
<td>thallium chloride (TICl3)</td>
<td>13453-32-2</td>
</tr>
<tr>
<td>thallium fluoride (TIF3)</td>
<td>7783-57-5</td>
</tr>
<tr>
<td>thallium hydrogen carbonate</td>
<td>29809-42-5</td>
</tr>
<tr>
<td>thallium hydroxide (Tl(OH))</td>
<td>12026-06-1</td>
</tr>
<tr>
<td>thallium iodate</td>
<td>14767-09-0</td>
</tr>
<tr>
<td>thallium iodide (TlI2)</td>
<td>57232-83-4</td>
</tr>
<tr>
<td>thallium nitrate (V.A.N.)</td>
<td>16901-76-1</td>
</tr>
<tr>
<td>thallium oxide (Tl2O)</td>
<td>1314-12-1</td>
</tr>
<tr>
<td>thallium phosphate</td>
<td>51833-34-2</td>
</tr>
<tr>
<td>thallium selenide (Tl2Se)</td>
<td>15572-25-5</td>
</tr>
<tr>
<td>thallium sulfate</td>
<td>10031-59-1</td>
</tr>
<tr>
<td>thallium sulfide (Tl2S)</td>
<td>1314-97-2</td>
</tr>
<tr>
<td>thallium sulfide (Tl2S3)</td>
<td>12039-17-7</td>
</tr>
<tr>
<td>thallium telluride (Tl2Te3)</td>
<td>12040-16-3</td>
</tr>
<tr>
<td>thallium telluride (TlTe)</td>
<td>12040-12-9</td>
</tr>
<tr>
<td>thallium thiocyanate</td>
<td>3535-84-0</td>
</tr>
<tr>
<td>thallium triarsenide</td>
<td>84057-85-2</td>
</tr>
<tr>
<td>thallium triiodide</td>
<td>13453-37-7</td>
</tr>
<tr>
<td>thallium(1+) propan-2-olate</td>
<td>39262-04-9</td>
</tr>
<tr>
<td>thallium(3+) perchlorate</td>
<td>15596-83-5</td>
</tr>
<tr>
<td>thallium(3+) triformate</td>
<td>71929-23-2</td>
</tr>
<tr>
<td>thallium(I) acetate</td>
<td>563-68-8</td>
</tr>
<tr>
<td>thallium(I) fluoride</td>
<td>7789-27-7</td>
</tr>
<tr>
<td>thallium(I) iodide</td>
<td>7790-30-9</td>
</tr>
<tr>
<td>thallium(I) nitrate</td>
<td>10102-45-1</td>
</tr>
<tr>
<td>thallium(I) selenide</td>
<td>12039-52-0</td>
</tr>
<tr>
<td>thallium(III) sulfate</td>
<td>16222-66-5</td>
</tr>
<tr>
<td>thallium, 2,4-cyclopentadien-1-yl-</td>
<td>34822-90-7</td>
</tr>
<tr>
<td>thallous malonate</td>
<td>2757-18-8</td>
</tr>
<tr>
<td>thallous sulfate</td>
<td>7446-18-6</td>
</tr>
<tr>
<td>carbonic acid, dithallium(1+) salt (U215)</td>
<td>6533-73-9</td>
</tr>
<tr>
<td>thallous chloride (U216)</td>
<td>7791-12-0</td>
</tr>
<tr>
<td>thioperoxydicarbonic diamide([H2N]C(S)2S2), tetramethyl-</td>
<td>137-26-8</td>
</tr>
<tr>
<td>thioperoxydicarbonic diamide ([H2N]C(S)2S2), tetramethyl-</td>
<td>137-26-8</td>
</tr>
<tr>
<td>vanadium(V) oxide</td>
<td>1314-62-1</td>
</tr>
</tbody>
</table>
Appendix 4: Analytical Method

1. Analysis of cadmium in plastics

| Pretreatment method | Plastic is decomposed and liquefied using either one of the following methods in (1) to (3). (1) Wet decomposition using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (for example, EN1122-2001 “Plastic- Determination of cadmium – Wet decomposition method), (2) Pressure decomposition in sealed container using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (microwave decomposition method, (3) After ashing under presence of sulfuric acid, acid is dissolved. If residues remain when methods (1) to (3) are used, they shall be liquefied by using any method. |
| Measuring method | When induced plasma emission spectral analyzer (ICP-AES, ICP-OES) or induced plasma mass analyzer (ICP-MS) or atomic absorption spectrophotometer (AAS) is used, lower limit of quantification in either case. Cadmium of less than 5 ppm must be guaranteed. |
| Allowable concentration | Cadmium : less than 5 ppm |

2. Analysis of lead in plastics

| Pretreatment method | Plastic is decomposed and liquefied using either one of the following methods in (1) to (3). (It is preferable that analysis is performed without using sulfuric acid whenever possible.) (1) Wet decomposition using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (for example, “Plastic- Determination of cadmium – Wet decomposition method), (2) Pressure decomposition in sealed container using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (microwave decomposition method, (3) After ashing under presence of sulfuric acid, acid is dissolved. If residues remain when methods (1) to (3) are used, they shall be liquefied by using any method. |
| Measuring method | When induced plasma emission spectral analyzer (ICP-AES, ICP-OES) or induced plasma mass analyzer (ICP-MS) or atomic absorption spectrophotometer (AAS) is used, lower limit of quantification in either case. Lead of less than 30 ppm must be guaranteed. |
| Allowable concentration | Lead: less than 100 ppm |

3. Analysis of packaging materials (cadmium, lead, hexavalent chromium and mercury)

| Pretreatment method (other than mercury) | Sample is decomposed and liquefied using either one of the following methods in (1) to (3). (1) Wet decomposition using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (for example, EN1122-2001 “Plastic- Determination of cadmium – Wet decomposition method), (2) Pressure decomposition in sealed container using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (microwave decomposition method, (3) After ashing under presence of sulfuric acid, acid is dissolved. If residues remain when methods (1) to (3) are used, they shall be liquefied by using any method. |
| Measuring method (other than mercury) | When induced plasma emission spectral analyzer (ICP-AES, ICP-OES) or induced plasma mass analyzer (ICP-MS) or atomic absorption spectrophotometer (AAS) is used, lower limit of quantification in either case. Cadmium of less than 5 ppm, chromium of less than 2 ppm, and lead of less than 30 ppm must be guaranteed. |
| Pretreatment method (mercury) | Sample is decomposed and liquefied using either one of the following methods in (1) or (2). (1) Wet decomposition using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid, or (2) Pressure decomposition in sealed container using nitric acid, sulfuric acid, hydrogen peroxide, fluorine, and hydrochloric acid (microwave decomposition method. If residues remain when method (1) or (2) is used, they shall be liquefied by using any method. |
### Measuring method (mercury)

When exclusive mercury analyzer (atomic absorption for producing atomic vapor by reduction (reduction vaporization AAS), and atomic absorption for producing atomic vapor by heating (heating vaporization AAS), however, in case of atomic absorption for producing atomic vapor by heating, pretreatment of the above liquefaction is unnecessary), induced plasma emission spectral analyzer (ICP-AES, ICP-OES) or induced plasma mass analyzer (ICP-MS) or atomic absorption spectrophotometer (AAS) is used, lower limit of quantification in either case. Confirmation is made if total of cadmium, lead, hexavalent chromium and mercury is less than 5 ppm.

### Allowable concentration

If total of four elements exceeds 100 ppm, confirmation is made in reference to component tables or any other data whether the product contains hexavalent chromium. Confirmation is made if total of cadmium, lead, hexavalent chromium and mercury is 100 ppm or less.

### Remarks

Chromium shall be analyzed as total chromium amount.
Appendix5: Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use)

Here, the image of the “Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use)” is published.

**Environmentally Hazardous Substance Inclusion Report (serving also as guarantee on non-use of substances prohibited of use)**

<table>
<thead>
<tr>
<th>ALPS parts number</th>
<th>Supplier product number</th>
<th>Supplier product name</th>
<th>Product mass (g)</th>
<th>Parts/Material Name</th>
<th>Parts mass (g)</th>
<th>Package insert number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The products delivered as described in the table below contain the environmentally hazardous substances among those specified by ALPS Electric Company. The environmentally hazardous substances not stated herein are not contained. It is guaranteed that prohibited substances described below are not contained.
# Appendix 6: Reasons for Regulating the Environmentally Hazardous Substances

(applyable laws and effects on human bodies)

<table>
<thead>
<tr>
<th>Regulations, standards etc.</th>
<th>revise date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc</td>
<td>Japan</td>
</tr>
<tr>
<td>Industrial Safety and Health Act</td>
<td>Japan</td>
</tr>
<tr>
<td>Poisonous and Deleterious Substances Control Law</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on Special Measures against Dioxins</td>
<td>Japan</td>
</tr>
<tr>
<td>Offensive Odor Control Act</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on Control of Household Products Containing Harmful Substances</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on Prevention of Marine Pollution and Maritime Disaster</td>
<td>Japan</td>
</tr>
<tr>
<td>Water Pollution Control Act</td>
<td>Japan</td>
</tr>
<tr>
<td>Air Pollution Control Act</td>
<td>Japan</td>
</tr>
<tr>
<td>Agricultural Land Soil Pollution Prevention Act</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on Promotion of Global Warming Countermeasures</td>
<td>Japan</td>
</tr>
<tr>
<td>Act on the Rational Use of Energy</td>
<td>Japan</td>
</tr>
<tr>
<td>Narcotics and Psychotropic Control Act</td>
<td>Japan</td>
</tr>
<tr>
<td>Waste Management and Public Cleansing Act</td>
<td>Japan</td>
</tr>
<tr>
<td>REACH Annex XVII [except: CLP Annex VI Table 3.2 CMR–cat 1,2]</td>
<td>EU</td>
</tr>
<tr>
<td>Candidate List of Substances of Very High Concern for Authorisation ECHA : EUROPEAN CHEMICAL AGENCY Helsinki, 19 December 2011</td>
<td>EU</td>
</tr>
<tr>
<td>Restrictions of marketing and use of certain chemicals 76/769/EEC (7/26/1976)</td>
<td>EU</td>
</tr>
<tr>
<td>Regulations, standards etc.</td>
<td>revise date</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>ESIS PBT [Fulfilled] European chemical Substances Information System</td>
<td>EU</td>
</tr>
<tr>
<td>Consumer Goods Ordinance (4/1997)</td>
<td>Germany</td>
</tr>
<tr>
<td>Danish regulation</td>
<td>Danish</td>
</tr>
<tr>
<td>Statutory Order banning the import and sale of commodities for indoor use containing phthalates DEHP, DBP, BBP, and DBP, and commodities which parts of these substances can come into contact with skin or mucous membranes (No1113)</td>
<td>2012/11/30</td>
</tr>
<tr>
<td>TSCA Asbestos 40 CFR Part 763 (1976)</td>
<td>US</td>
</tr>
<tr>
<td>TSCA Significant New Uses of Chemical Substances (SNURs) 40CFR Part 721(1976)</td>
<td>US</td>
</tr>
<tr>
<td>TSCA: Chemical Imports and Export 40 C.F.R. § 707</td>
<td>US</td>
</tr>
<tr>
<td>TSCA: Reporting and Recordkeeping Requirement 40 C.F.R. § 704</td>
<td>US</td>
</tr>
<tr>
<td>Proposition65 (1986) [California State, USA]</td>
<td>US</td>
</tr>
<tr>
<td>Perfluorooctane Sulfate and its Salts and Certain Other Compounds Regulations [Federal]</td>
<td>Canada</td>
</tr>
<tr>
<td>Prohibition of Certain Toxic Substances Regulations, 2012</td>
<td>Canada</td>
</tr>
<tr>
<td>Stockholm Convention on Persistent Organic Pollutants (POPs) Annex I</td>
<td>global treaty</td>
</tr>
<tr>
<td>Montreal Protocol on Substances that Deplete the Ozone Layer (ODS)</td>
<td>global treaty</td>
</tr>
<tr>
<td>Regulations, standards etc.</td>
<td>revise date</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>International Agency for Research on Cancer (IARC)</td>
<td>2004/12</td>
</tr>
<tr>
<td>GADSL : Global Automotive Declarable Substance List</td>
<td>GADSL 2013 Version 1.0 (2013/02/01)</td>
</tr>
<tr>
<td>IEC62474</td>
<td>2013/6/13</td>
</tr>
<tr>
<td></td>
<td>JIG-201 Ed 1.0 (2011/08/23)</td>
</tr>
</tbody>
</table>
Appendix 7-1: Application Routes for Exemption (Cancellation of Exemption) of Prohibited (Totally Eliminated) Substances

Rules for exemptions and cancellation of exemptions for unfungible substances

**Route for Application for Exemption**

1. Head of Applying Sector: Issuance of exemption application form
2. Confirmation seal by personnel in charge of environmental
3. Confirmation seal by Division Manager
4. Reception by personnel in charge of chemical substances in Environmental Planning Dept.

**YES**

- Examination by Chemical Substance Working Member. Confirmation by Environmental Planning Dept. Manager

**NO**

- Approval by manager of Environmental Planning Dept. of Headquarters

- Personnel in charge of chemical substances in Environmental Planning Dept.
- Notification of results to the head of applying sector
- Revision of Environmentally Hazardous Substance Control Standard

**Route for Application for Cancellation of Exemption**

1. Head of Applying Sector: Issuance of cancellation of exemption application form
2. Confirmation seal by personnel in charge of environmental
3. Reception by personnel in charge of chemical substances in Environmental Planning Dept.
4. Confirmation by Manager of Environmental Planning Dept. of

- Personnel in charge of chemical substances in Environmental Planning Dept.
- Notification of results to the head of applying sector
- Revision of Environmentally Hazardous Substance Control Standard

ALPS Environmental Hazardous Substance Control Standard (Revision 13): Appendix 7-1
**Application for Exemption/Cancellation of Exemption of Prohibited/Totally Eliminated Substances**

**Applicant:** (H) Environmental Planning Department

---

<table>
<thead>
<tr>
<th>Division</th>
<th>Application Date</th>
<th>Head of Applying Sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site of Usage</td>
<td>Product □ Process □</td>
<td>Description:</td>
</tr>
<tr>
<td>Name of Product/Process</td>
<td>Mass of Product</td>
<td></td>
</tr>
<tr>
<td>ALPS Product No.</td>
<td>Customer Name</td>
<td></td>
</tr>
<tr>
<td>Customer Product No.</td>
<td>Environmental Management Supervisor</td>
<td></td>
</tr>
</tbody>
</table>

**Details of prohibited chemical substance**

<table>
<thead>
<tr>
<th>Inclusion Position/ Materials Included</th>
<th>Mass by Position</th>
<th>Name of prohibited substance</th>
<th>CAS-No</th>
<th>Inclusion Rate</th>
<th>Regulated Substance Inclusion Report No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Reason for application:**

---

**Total elimination plan:**

---

**Results of review**

---

**Committee members:**

---

**Conclusion**

- □ Accepted
- □ Not Accepted
- □ Cancellation of Exemption of Prohibited Substances

**Scheduled maintenance of ALPS E.H.S. List (MM/DD/YY):**

---

**Scheduled maintenance of chemical substance control standards (MM/DD/YY):**

---

ALPS Electric Co., Ltd.