# Revisions

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**Document: RSL 005 Rev. 06 Effective Date: 03/30/26**

| Revision Number | Revision Date | Nature of Revision |
|---|---|---|
| 0 | 8/19/2022 | Initial Release |
| 01 | 8/31/2022 | Website added to RSL Declaration |
| 02 | 2/20/2023 | 9 substances added to SVHC list:<br>3 substances added to Proposition 65 list:<br>Regulation type added to regulation table on declaration page |
| 03 | 4/19/2024 | 7 substances added to the SVHC list, 2 substances added to the Restricted list, and substances added to the Proposition 65 List |
| 04 | 1/29/2025 | 7 Substances added to the SVHC list, additions to PFC/PFAS list, updated Proposition 65 list |
| 05 | 8/12/2025 | 3 Substances added to the SVHC list,added entries to REACH Restricted List, 1 Substance added to POP list |
| 06 | 3/30/2026 | 3 Substances added to the SVHC list, added entry to REACH Restricted List, added entries to POP List, and updated Proposition 65 list |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy] trisiloxane | 17928-28-8 | Used as a laboratory reagent, in cosmetics and personal care products and perfumes and fragrances |
| Decamethyltetrasiloxane | 141-62-8 | Used in cosmetics and personal care products, in lubricants and greases and in automotive care products |
| Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51 | EC 466-490-7 | Used in textile treatment products and dyes |
| 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid | 2156592-54-8 | Lubricants, greases, release products and metal working fluids |
| O,O,O-triphenyl phosphorothioate | 597-82-0 | Lubricants and greases |
| Octamethyltrisiloxane | 107-51-7 | Manufacture and/or formulation of: cosmetics, personal/health care products, pharmaceuticals, washing and cleaning products, coating and non-metal surface treatment and in sealants and adhesives |
| Perfluamine | 338-83-0 | Manufacture of electrical, electronic and optical equipment and machinery and vehicles |
| Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 192268-65-8 | No active registrations |
| Triphenyl phosphate | 115-86-6 | Adhesives and sealants, coating products and cosmetics and personal care products. |
| Bis(α,α-dimethylbenzyl) peroxide | 80-43-3 | Polymers |
| 2,4,6-tri-tert-butylphenol | 732-26-3 | Manufacture of another substance; formulation of mixtures and in fuel products. |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol | 3147-75-9 | Air care products, coating products, adhesives and sealants, lubricants and greases, polishes and waxes and washing and cleaning products. |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | Inks and toners, coating products. |
| Bumetrizole | 3896-11-5 | Coating products, adhesives and sealants and washing and cleaning products. |
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | - | Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, inks and toners and polymers. |
| Bis(4-chlorophenyl) sulphone | 80-07-9 | Manufacture of chemicals, plastic products and rubber products. |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | Inks and toners, coating products, photo-chemicals, polymers, adhesives and sealants and fillers, putties, plasters, modelling clay. |
| 1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] (BTBPE) | 37853-59-1 | Additive in flame retardants and in thermoplastics.<br>Acrylonitrile butadiene-polystyrene (ABS), high-impact polystyrene (HIPS) resins, including electronics, electrical products, and some construction materials. |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA) | 79-94-7 | Brominated flame-retardant used in epoxy coated circuit boards, printed circuit boards, printed wiring boards (PWB), paper, and textiles |
| 4,4'-sulphonyldiphenol (BPS) | 80-09-01 | Used in thermal paper, leather products, recycled paper and the manufacture of Polyethersulfone (PESU) polymer, Synthetic tanning agents (Syntans) (e.g., for tanning in leather production), and polymers. |
| Barium diboron tetraoxide | 13701-59-2 | Coating of PVC truck foil and electrical wires. Paints, coatings, thinners, and paint removers. |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Bis(2-ethylhexyl) tetrabromophthalate (TBPH) covering any of the individual isomers and/or combinations thereof | | Electrical/electronic articles<br>Plastic and rubber articles e.g., flexible PVC, wires, and cable insulation<br>Adhesives and sealants<br>Additive in flame retardants<br>Film and sheeting, carpet backing, coated fabrics, and wall coverings<br>One component foam e.g., polyurethane foam |
| Isobutyl 4-hydroxybenzoate (IBP) | 4247.02-3 | Coating and paint products, fillers, putties, plasters, modelling clay, inks, and toners<br>Intermediate in chemical production or refinery processes |
| Melamine | 108-78-1 | Production of formaldehyde-based resins often used in the woodworking industry (e.g., laminate flooring, wood-based panels, surface-coating panels).<br>Coatings for foams and to produce consumer goods like tableware.<br>Intermediate for adhesives, lacquers, pigment, coatings, inks, rigid foams, polyurethane foams, rubbers, and polymers often used for fire safety applications.<br>Leather manufacturing processes. |
| Perfluoroheptanoic acid (PFHpA) and its salts | | Stain or water repellent<br>Wetting, dispersing, emulsifying, and foaming agents |
| Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | | Formulation into mixtures<br>Industrial and professional use in closed systems. E.g., it is used as a laboratory reagent and as a functional fluid at an industrial site and indoors. |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | Rubbers, lubricants, adhesives, inks, fuels |
| tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | Rubbers, plastics, sealants |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | | Cosmetics |
| S-(tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | Lubricants, greases |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 2580-56-5 | Carcinogenic (Article 57a). used in inks, dyes, paints, and pigments, dyeing a variety of materials, such as paper, cosmetic products |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 548-62-9 | Carcinogenic (Article 57a). dye in ink applied in cartridges for printers and in ball pens and as dyestuff for paper colouring https://echa.europa.eu/documents/10162/13638/svhc_axvre |
| [Phthalato(2-)]dioxotrilead | 69011-06-9 | Is a RoHS substance. Toxic for reproduction (Article 57 c) |
| 1,2,3-Trichloropropane (1,2,3-TCP) | 96-18-4 | Carcinogenic and toxic for reproduction (articles 57 a and 57) |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate | 68515-51-5, 68648-93-1 | Toxic for reproduction (article 57c). uses are for example in adhesives, lubricants, coatings, building material, cable |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) | 71888-89-6 | Toxic for reproduction (article 57c). Plasticiser in PVC |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) | 68515-42-4 | Toxic for reproduction (article 57c). Electrical cables |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | Toxic for reproduction (Article 57 c). There is no reported use |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | Toxic for reproduction (Article 57 c). Used as plasticizers |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | Toxic for reproduction (Article 57 c). Solvent or process |
| 1,2-dichloroethane | 107-06-2 | Carcinogenic (article 57 a). Intermediate in the manufacture |
| 1,2-Diethoxyethane | 629-14-1 | Toxic for reproduction (Article 57 c). Used as solvent |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | Toxic for reproduction (Article 57 c), in lithium manganese |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 2451-62-9 | Mutagenic (Article 57b). Is used as a hardener in resins |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) | 59653-74-6 | Mutagenic (Article 57b). Hardener in resins and coatings |
| 1,3-propanesultone | 1120-71-4 | It is used as a chemical intermediate |
| 1,4-dioxane | 123-91-1 | Mainly a solvent in the synthesis of chemicals. Found as a by- product, a constituent, or an impurity in mixtures Source: https://echa.europa.eu/documents/10162/435f5245-3bad- 5ff5-65f3-0b279c9b6847 |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one; 3-benzylidene camphor; 3-BC | 15087-24-8 | Endocrine disrupting properties. Used in personal care products and cosmetics as a UV filter. https://chemicalwatch.com/8343/france-bans-3-benzylidene- camphor-in-cosmetics https://academic.oup.com/toxsci/article/93/2/311/1707808 |
| 1-bromopropane (n-propyl bromide) | 106-94-5 | Toxic for reproduction (Article 57 c). It is a solvent |
| 1-Methyl-2-pyrrolidone (NMP) | 872-50-4 | Toxic for reproduction (article 57c). Solvent |
| 1-vinylimidazole | 1072-63-5 | Intermediate and monomer for polymer production of paints |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | UV-stabilisers, especially for transparent plastic materials |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | PBT (Article 57 d), vPvB (Article 57 e) |
| 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | | An intermediate or chemical compound in mixtures |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane; BisP-MIBK | 6807-17-6 | Toxic for reproduction. May be used in thermal paper |
| 2,2-bis(bromomethyl)propane 1,3-diol (BMP) | 1522-92-5, 3296-90-0, 36483-57-5, 96- | Flame retardants |
| 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) | 13-9 | Manufacture of polymer resins or chemicals |
| 2,3-dibromo-1-propanol (2,3-DBPA) | | |
| 2,2'-dichloro-4,4'-methylenedianiline | 101-14-4 | Carcinogenic (article 57 a). Has been used as a curing agent |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof); HFPO-DA | | In the manufacturing process of fluoropolymer resins that are used in many applications such as wire cables or PTFE |
| 2,4-Dinitrotoluene | 121-14-2 | Carcinogenic (article 57a) |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | UV-protection agent in plastics, rubber and polyurethanes. |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | PBT (Article 57 d), vPvB (Article 57 e). Used as UV-absorbers |
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | Is a photosensitive agent in the manufacture of printing inks |
| 2-Ethoxyethanol | 110-80-5 | Toxic for reproduction (article 57c) |
| 2-Ethoxyethyl acetate (2-EEA) | 111-15-9 | Toxic for reproduction (article 57c) |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | Toxic for reproduction. Used as heat stabiliser for PVC |
| 2-Methoxyaniline; o-Anisidine | 90-04-0 | Carcinogenic (article 57 a) |
| 2-Methoxyethanol (ethylene glycol monomethyl ether; EGME) | 109-86-4 | Toxic for reproduction (article 57c) |
| 2-methoxyethyl acetate | 110-49-6 | Was historically used as a process solvent for gums and resins |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | Used in polymer production. Photoinitiator in coatings |
| 2-methylimidazole | 693-98-1 | Component in the manufacture of pharmaceuticals |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | Toxic for reproduction (Article 57 c) |
| 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | Equivalent level of concern having probable serious effects |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] (4-tert-Octylphenol ethoxylates) (4-tertOPnEO) | | Equivalent level of concern having probable serious effects to the environment (Article 57f). Used in formulation of paints |
| 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B; BPB) | 77-40-7 | It may be used in the manufacture of phenolic and polycarbonate resins. Source: https://echa.europa.eu/documents/10162/526bbb99-fc0e- 2959-eff4-bac584db1f24 |
| 4,4'-Diaminodiphenylmethane (MDA) | 101-77-9 | Carcinogenic (article 57a) |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 561-41-1 | Carcinogenic (Article 57a). Used in inks and dyes - ball point pens, computer cartridges, typewriter, ribbons, paper |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | Carcinogenic (Article 57a) |
| 4,4'-methylenedi-o-toluidine | 838-88-0 | Carcinogenic (Article 57a) |
| 4,4'-oxydianiline and its salts | 101-80-4 | Carcinogenic (Article 57a); Mutagenic (Article 57b) |
| 4-Aminoazobenzene | 58687 | Carcinogenic (Article 57a). Is used as a dye for lacquer |
| 4-heptylphenol, branched and linear (4-HPbl) | 6465-71-0, 6465-74-3, 6863-24-7, 1987-50-4, 72624-02-3, 1824346-00-0, 1139800-98-8, 911371-07-8, 911371-06-7, 911370-98-4, 861011-60-1, 861010-65-3, 857629-71-1, 854904-93-1, 854904-92-0, 102570-52-5, 100532-36-3, 72861-064, 71945-81-8, 37872-24-5, 33104-11-9, 30784-32-8, 30784-31-7, 30784-27-9, 30784-32-8, 30784-31-7, 30784-27-1, etc. | Usually used in lubricant additives in vehicles or machinery |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | Carcinogenic (Article 57a). Used in making dyes for furs |
| 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] | | Equivalent level of concern having probable serious effects to the environment (Article 57 f). Used as floating agent in mining applications; formulation and use of paints; emulsion |
| 4-tert-butylphenol | 98-54-4 | Plasticizer. Industrial intermediate in some resins |
| 4-tert-pentylphenol (PTAP), p-(1,1-dimethylpropyl)phenol | 80-46-6 | Used in paints and varnishes and as printing ink resins |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof] | 117933-89-8, 343934-04-3, 343934-05-4, 676367-02-5, 676367-03-6, 676367-04-7, 676367-05-8, 676367-06-9, 676367-07-0, 676367-08-1, 676367-09-2, 186309-28-4, etc | vPvB (Article 57 e). Trade name Karanal is used as a fragrance agent, in soaps and detergents |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 81-15-2 | vPvB (article 57e). Ingredient in fragrance compositions |
| 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | Carcinogenic (Article 57a). Is used exclusively as a synthetic |
| Acetic acid, lead salt, basic | 51404-69-4 | Is a RoHS subtance. Toxic for reproduction (Article 57 c) |
| Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 13530-68-2, 7738-94-5 | RoHS substances. Carcinogenic (article 57a). Metal finishing for electroplating e. g. hard chrome plating, decorative |
| Acrylamide | 65532 | Used in the production of polyacrylamides (flocculator) |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins, SCCPs) | 85535-84-8 | PBT and vPvB (articles 57 d and 57 e). In metal working fluids |
| Ammonium dichromate | 2151163 | Is a Cr6+ compound. Carcinogenic, mutagenic |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | APFO is used as an emulsion stabilizer to manufacture |
| Anthracene | 120-12-7 | PBT (article 57d) |
| Anthracene oil | 90640-80-5 | Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e) |
| Anthracene oil, anthracene paste | 90640-81-6 | Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d |
| Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d |
| Anthracene oil, anthracene paste,distn. lights | 91995-17-4 | Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d |
| Anthracene oil, anthracene low | 90640-82-7 | Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d |
| Arsenic acid | 7778-39-4 | Carcinogenic (article 57 a). Use as fining agent |
| Benz[a]anthracene (BaA) | 56-55-3, 1718-53-2 | Carcinogenic (Article 57a). PBT (Article 57d). vPvB |
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride; trimellitic anhydride; TMA | 552-30-7 | Respiratory sensitising properties (Article 57(f) - human |
| Benzo[def]chrysene | 50-32-8 | Carcinogenic (Article 57a), Mutagenic (Article 57b) |
| Benzo[ghi]perylene | 191-24-2 | PBT and vPvB (articles 57 d and 57 e). Only relatively small |
| Benzo[k]fluoranthene | 207-08-9 | Carcinogenic, PBT, vPvB. Is a polycyclic aromatic hydrocarbon |
| Benzyl butyl phthalate (BBP) | 85-68-7 | Is in the RoHS 10 substances list. Toxic for reproduction |
| Biphenyl-4-ylamine | 92-67-1 | Carcinogenic (Article 57a). Because of its carcinogenic effects |
| Bis (2-ethylhexyl)phthalate (DEHP) | 117-81-7 | Is part of EU RoHS 10 subtances list. Toxic for reproduction |
| Bis(2-methoxyethyl) ether (Diglyme, DEGDME) | 111-96-6 | Toxic for reproduction (article 57 c) |
| Bis(2-methoxyethyl) phthalate (DMEP) | 117-82-8 | Toxic for reproduction (article 57 c). Plasticiser |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 1163-19-5 | PBT (Article 57 d); vPvB (Article 57 e). Machinery, mechanical |
| Bis(tributyltin)oxide (TBTO) | 56-35-9 | PBT (article 57d). Biocides, pesticides. Use in polyurethane |
| Bisphenol A, 4,4'-(propane-2,2-diyl)diphenol | 65873 | Used in the manufacture of polycarbonate plastic products |
| Boric acid | 10043-35-3, 11113-50-1 | Toxic for reproduction (article 57 c) |
| Butyl 4-hydroxybenzoate | 94-26-8 | In cosmetics, personal care products, and pharmaceuticals |
| Cadmium | 7440-43-9 | Is a RoHS substance. Cadmium is used as a pigment |
| Cadmium carbonate | 513-78-0 | Is a RoHS Substance. Carcinogenic (Article 57a). Mutagenic |
| Cadmium chloride | 10108-64-2 | Is a RoHS substance. Carcinogenic (Article 57a); Mutagenic |
| Cadmium fluoride | 7790-79-6 | Is a RoHS substance. Carcinogenic (Article 57 a). Mutagenic |
| Cadmium hydroxide | 21041-95-2 | Is a RoHS Substance. Carcinogenic (Article 57a). Mutagenic |
| Cadmium nitrate | 10022-68-1, 10325-94-7 | Is a RoHS Substance. Carcinogenic (Article 57a). Mutagenic |
| Cadmium oxide | 1306-19-0 | Is a RoHS substance. Cadmium oxide is used as a heat |
| Cadmium sulphate | 10124-36-4; 31119-53-6 | Is a RoHS substance. Carcinogenic (Article 57 a). Mutagenic |
| Cadmium sulphide | 1306-23-6 | Is a RoHS substance |
| Calcium arsenate | 7778-44-1 | Carcinogenic (article 57 a). Herbicide, insecticide |
| Chromium trioxide | 1333-82-0 | Is a RoHS substance. Carcinogenic and mutagenic (articles 57) |
| Chrysene (Benzo(a)phenanthrene) | 218-01-9, 1719-03-5 | Carcinogenic (Article 57a). PBT (Article 57d) |
| Cobalt dichloride | 7646-79-9 | Carcinogenic and toxic for reproduction (articles 57 a and 57 |
| Cobalt(II) carbonate | 513-79-1 | Carcinogenic and toxic for reproduction (articles 57 a and 57 |
| Cobalt(II) diacetate | 71-48-7 | Carcinogenic and toxic for reproduction (articles 57 a and 57 |
| Cobalt(II) dinitrate | 10141-05-6 | Carcinogenic and toxic for reproduction (articles 57 a and 57 |
| Cobalt(II) sulphate | 10124-43-3 | Carcinogenic and toxic for reproduction (articles 57 a and 57 |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry] | 85-42-7, 13149-00-3, 14166-21-3 | Equivalent level of concern having probable serious effects to human health (Article 57 f). Used in the manufacture of polyester and alkyd resins and plasticizers for thermoplastic polymers. The anhydrides are also used as hardeners |
| Decamethylcyclopentasiloxane; D5 | 541-02-6 | PBT and vPvB (articles 57 d and 57 e). |
| Diarsenic pentaoxide | 1303-28-2 | Carcinogenic (article 57a). Wood preservation, glass |
| Diarsenic trioxide | 1327-53-3 | Carcinogenic (article 57a). Glass (tubes, bulbs, optical glass) |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | Equivalent level of concern having probable serious effects |
| Diboron trioxide | 1303-86-2 | Toxic for reproduction (Article 57 c). Glass Production, Glass |
| Dibutyl phthalate (DBP) | 84-74-2 | Metal working fluids, washing and cleaning products, laboratory chemicals and polymers. |
| Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | In adhesives, sealants, coatings and paints, thinners, paint |
| Dibutyltin dichloride (DBTC) | 683-18-1 | Toxic for reproduction (Article 57 c). Industrial use |
| Dichromium tris(chromate) | 24613-89-6 | Carcinogenic (article 57 a). Surface treatment of metals |
| Dicyclohexyl phthalate; DCHP | 84-61-7 | Toxic for reproduction (Article 57c) and Endocrine |
| Diethyl sulphate | 64-67-5 | Carcinogenic (Article 57a); Mutagenic (Article 57b). Diethyl |
| Dihexyl phthalate (DnHP) | 84-75-3 | Dihexyl phthalate (DnHP) is used as a plasticiser in polyvinyl |
| Diisobutyl phthalate (DIBP) | 84-69-5 | Is part of the RoHS 10 substances list. Toxic for reproduction |
| Diisohexyl phthalate (DIHP) | 71850-09-4 | Lubricant in steering fluid and plasticizers: auto transmission |
| Diisopentylphthalate (DIPP) | 605-50-5 | Toxic for reproduction (Article 57 c). Propellants |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Dimethyl sulphate (DMS) | 77-78-1 | Carcinogenic (Article 57a). Mainly used as a chemical |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | Toxic for reproduction (Article 57 c). Herbicide, insecticide. |
| Dioxobis(stearato)trilead | 12578-12-0 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Dipentyl phthalate (DPP) | 131-18-0 | Dipentyl phthalate (DPP) is used as a plasticiser in PVC |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | C.I. Direct Red 28 , also known as Congo Red, is used to color plastics, textiles, paper and PVA Polyvinyl acetate |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7- disulphonate (C.I. Direct Black 38) | 1937-37-7 | C.I. Direct Black 38 is used to dye cellulose, wool, silk, bast, and hog's hair; print cellulose, wool and silk; dye leather |
| Disodium octaborate | 12008-41-2 | Toxic for reproduction (Article 57c). Anti-freeze products |
| Disodium tetraborate, anhydrous (Borax) | 1303-96-4, 1330-43-4, 12179-04-3 | Toxic for reproduction (article 57 c). Wide-dispersiveness of uses: Micronutrient, flame retardant, complexing agent |
| Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof | | vPvB (Article 57e). Flame retardant in electronic wiring and cables, automobiles, hard plastic connectors and plastic |
| Dodecamethylcyclohexasiloxane, D6 | 540-97-6 | PBT and vPvB (articles 57 d and 57 e). Electronic articles |
| Ethylenediamine; EDA | 107-15-3 | Respiratory sensitising properties (Article 57(f) - human |
| Fatty acids, C16-18, lead salts | 91031-62-8 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Fluoranthene | 206-44-0, 93951-69-0 | PBT, vPvB. Is a polycyclic aromatic hydrocarbon (PAH) |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Formaldehyde, oligomeric reaction products with aniline (Polymeric MDA, PMDA) | 25214-70-4 | Carcinogenic (article 57 a). Curing agent |
| Formamide | 64260 | Toxic for reproduction (Article 57 c). For manufacture of sulfa |
| Furan | 110-00-9 | Carcinogenic (Article 57a) |
| Glutaral (Glutaraldehyde; GA) | 111-30-8 | Biocide in many industries (paper, paint, food, wood, cosmetics, medical devices, etc.), leather tanning, x-ray film processing, with possible other applications. Source: https://echa.europa.eu/documents/10162/ea9882b6-43f4- bf01-b54e-8ad9e4d047bf |
| Henicosafluoroundecanoic acid | 2058-94-8 | vPvB (Article 57 e). Used in the production of fluoropolymers (e.g. teflon) and Fluorotelomers and as additives and components in consumer and industrial products (paints, inks, coatings). Should not be present above 0.1% |
| Heptacosafluorotetradecanoic acid | 376-06-7 | vPvB (Article 57 e). In the production of fluoropolymers |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8) | PBT (article 57d). Brominated flame retardant used in Expanded Polystyrene (EPS), Extruded Polystyrene (XPS), High Impact Polystyrene (HIPS), Polymer dispersion for textiles |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] | 19438-60-9, 25550-51-0, 48122-14-1, 57110-29-9 | Equivalent level of concern having probable serious effects to human health (Article 57 f). Mainly used in in the manufacture of polyester and alkyd resins and plasticizers for thermoplastic polymers |
| Hydrazine | 302-01-2, 7803-57-8 | Carcinogenic (article 57a) |
| Imidazolidine-2-thione | 96-45-7 | Elastomer accelerator; chlorinated polyethylene (CPE) rubber |
| Lead | 7439-92-1 | Toxic for reproduction (Article 57c). Is a EU RoHS substance. |
| Lead bis(tetrafluoroborate) | 13814-96-5 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead chromate | 7758-97-6 | Is a RoHS substance. Carcinogenic and toxic for reproduction |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 | |
| Lead cyanamidate | 20837-86-9 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead di(acetate) | 301-04-2 | Is a RoHS substance. Coatings and paints, thinners, paint |
| Lead diazide, Lead azide | 13424-46-9 | Is a RoHS substance. Toxic for reproduction (article 57 c). |
| Lead dinitrate | 10099-74-8 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead dipicrate | 6477-64-1 | Is a RoHS substance. Toxic for reproduction (article 57 c). |
| Lead hydrogen arsenate | 7784-40-9 | Is a RoHS substance. Carcinogenic and toxic for reproduction |
| Lead monoxide (lead oxide) | 1317-36-8 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead oxide sulfate | 12036-76-9 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead styphnate - Lead 2,4,6-trinitro-m-phenylene dioxide | 15245-44-0 | Is a RoHS substance. Toxic for reproduction (article 57 c). |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | Is a RoHS substance. Carcinogenic and toxic for reproduction |
| Lead titanium trioxide | 12060-00-3 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead titanium zirconium oxide | 12626-81-2 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Lead(II) bis(methanesulfonate) | 17570-76-2 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17] | - | Flame retardants and secondary plasticizing additives in plastics (PVC, cables, paints, coatings, etc.), adhesives ('potting agents' in electronic equipment, printed circuit boards (PCBs), etc.), sealants (polysulphide, polyurethane, acrylic, and butyl sealants, etc.), rubber (butyl rubber, etc.), and textiles. Coolants and lubricants (working fluids) in machinery and manufacture for metal products (cutting, grinding). Source: https://echa.europa.eu/documents/10162/d76192af-d18b- 5a4e-2fc5-0219d09053a6 |
| Methoxyacetic acid | 625-45-6 | Toxic for reproduction (Article 57 c). |
| Methyloxirane (Propylene oxide) | 75-56-9 | Carcinogenic (Article 57a); Mutagenic (Article 57b). Propylene |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | Carcinogenic (Article 57a). |
| N,N-dimethylacetamide (DMAC) | 127-19-5 | Toxic for reproduction (article 57 c). |
| N,N-dimethylformamide | 61699 | Toxic for reproduction (Article 57 c). |
| Nitrobenzene | 98-95-3 | |
| N-methylacetamide | 79-16-3 | Toxic for reproduction (Article 57 c). |
| N-pentyl-isopentylphthalate | 776297-69-9 | Toxic for reproduction (Article 57 c). |
| o-aminoazotoluene | 97-56-3 | Carcinogenic (Article 57a). In the manufacture of pigments |
| Octamethylcyclotetrasiloxane, D4 | 556-67-2 | PBT and vPvB (articles 57 d and 57 e). Is used in electronics |
| Orange lead (lead tetroxide) | 1314-41-6 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Orthoboric acid, sodium salt | 13840-56-7 | Possible use as a solvent and a corrosion inhibitor. |
| o-Toluidine | 95-53-4 | Carcinogenic (Article 57a). In herbicides, rubber chemicals |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Pentacosafluorotridecanoic acid | 72629-94-8 | vPvB (Article 57 e). Used as polymerization |
| Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | PFOA (Teflon) is a SVHC and restricted under the REACh |
| Pentalead tetraoxide sulphate | 12065-90-6 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Pentazinc chromate octahydroxide | 49663-84-5 | Carcinogenic (article 57 a). |
| Perfluorinated chemical PFDA (nonadecafluorodecanoic acid) and its sodium and ammonium salts | 335-76-2, 3108-42-7, 3830-45-3 | Lubricant, wetting agent, plasticizer and corrosion inhibitor. |
| Perfluorobutane sulfonic acid (PFBS) and its salts | - | Used as surfactants and repellents (for leather, textile, carpets etc.). Additional applications include: flame retardants in polycarbonate. Used mainly in electrical and electronic equipment, metal plating and pesticides. https://www.miljodirektoratet.no/globalassets/publikasjoner /M759/M759.pdf |
| Perfluorohexane-1-sulfonic acid and its salts (PFHxS) | 355-46-4 | May be used as a plasticiser, lubricant, surfactant |
| Perfluorononan-1-oic acid (PNFA) and its sodium and ammonium salts (group entry) | 375-95-1, 21049-39-8, 4149-60-4 | Processing aid for fluoropolymer (e.g. teflon) |
| Phenanthrene | 67580 | vPvB. Is a polycyclic aromatic hydrocarbon (PAH) substance |
| Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | - | In the preparation of lubricant additives and fuel cleaners (in petrol- and diesel-powered engines). Chemical intermediate, transformed during the synthesis of chemicals (oil production), rubbers (tires), resins, paints, inks, and polymers plastic products. Source: https://echa.europa.eu/documents/10162/12b8138f-c562-8cd6-3da9-9492468d0ea8 |
| Phenolphthalein | 64901 | Carcinogenic (article 57 a). Ph indicator, laxative. |
| Pitch, coal tar, high temp. | 65996-93-2 | Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e). |
| Potassium chromate | 7789-00-6 | Carcinogenic and mutagenic (articles 57 a and 57 b). Metal |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Potassium dichromate | 7778-50-9 | Is a RoHS Cr6+ compound. Carcinogenic, mutagenic and toxic |
| Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 | Carcinogenic (article 57 a). Anti-corrosion agent |
| Pyrene | 129-00-0, 1718-52-1 | PBT, vPvB. Is a polycyclic aromatic hydrocarbon (PAH) |
| Pyrochlore, antimony lead yellow | 8012-00-8 | Is a RoHS Cr6+ compound. Toxic for reproduction (Article 57) |
| Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl | - | The reaction mass DOTE:MOTE |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP- | - | Endocrine disrupting properties (Article 57(f) - environment). |
| Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content | 68784-75-8 | Toxic for reproduction (Article 57 c). Used for coating glass |
| Silicic acid, lead salt | 11120-22-2 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Sodium chromate | 2146108 | Is a RoHS Cr6+ compound. Carcinogenic, mutagenic and toxic |
| Sodium dichromate | 7789-12-0, 10588-01-9 | Is a RoHS Cr6+ compound. Carcinogenic, mutagenic and toxic |
| Sodium perborate; perboric acid, sodium salt | - | Toxic for reproduction (Article 57 c). |
| Sodium peroxometaborate | 2093666 | Toxic for reproduction (Article 57 c). |
| Strontium chromate | 2151068 | Carcinogenic (article 57a). coil coated galvanised steel |
| Sulfurous acid, lead salt, dibasic | 62229-08-7 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Terphenyl, hydrogenated | 61788-32-7 | vPvB (Article 57e). Can be found in metal, wooden and plastic |
| Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | Toxic for reproduction (article 57 c). Used in nuclear power |
| Tetraethyllead (TEL) | 78-00-2 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Tetralead trioxide sulphate | 12202-17-4 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Trichloroethylene | 65386 | Carcinogenic (article 57 a). |
| Tricosafluorododecanoic acid | 307-55-1 | vPvB (Article 57 e). Used in production of fluoropolymers |
| Triethyl arsenate | 15606-95-8 | Carcinogenic (article 57a). Doping applications in fabricating |
| Trilead bis(carbonate)dihydroxide | 1319-46-6 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Trilead diarsenate | 3687-31-8 | Is a RoHS substance. Carcinogenic and toxic for reproduction |
| Trilead dioxide phosphonate | 12141-20-7 | Is a RoHS substance. Toxic for reproduction (Article 57 c). |
| Tris(2-chloroethyl)phosphate (TCEP) | 115-96-8 | Toxic for reproduction (article 57c). Plasticizer and viscosity |
| Tris(4-nonylphenyl, branched and linear) phosphite | | Polymers, adhesives, sealants and coatings |
| Trixylyl phosphate (TXP) | 25155-23-1 | Functional fluid (fire resistant fluids, hydraulic fluids |
| Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part | - | Carcinogenic (article 57 a). RCF is high-temperature |
| α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 6786-83-0 | Carcinogenic (Article 57a). Used in inks and dyes (typewriter ribbons, computer cartridge, etc., ball point pen inks |
| Bis(2-(2-methoxyethoxy)ethyl) ether - TetraEGDME | 143-24-8 | In lithium-ion battery technology.<br>- Manufacture of soldering fluxes and solder pastes, of computers, electronics, and optical products.<br>- Production of binders for paints, adhesives.<br>- Used In paints and adhesive removers. |

# REACH SVHC 253

| Substance Name | CAS Number | Where used |
|---|---|---|
| Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | 3648-18-8 and others | Widespread use for the Manufacture of plastic products, fabrics, textiles, apparel, and leather. Stabilizers and catalysts In the Production of plastics. |
| N-(hydroxymethyl)acrylamide | 924-42-5 | Polymers |
| n-Hexane | 110-54-3 | Industrial solvent used in cleaning agents, polymer processing, coatings, and formulation processes (e.g., degreasing, adhesive and coating manufacture). |
| 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol (commonly known as Bisphenol AF (BPAF)) | Not Assigned | Used as a process regulator and cross-linking agent in the manufacture of high-performance polymers, resins, and fluoroelastomers. |
| 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts (Bisphenol AF group) | Not Assigned | Cross-linking and processing agent in specialty and high-performance polymer systems. |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) | 81-15-2 | vPvB (Article 57 e) |
| 4,4'- Diaminodiphenylmethane (MDA) | 101-77-9 | Carcinogenic (Article 57a) |
| Hexabromocyclododecane (HBCDD) | - | PBT (Article 57 d) |
| Hexabromocyclododecane | 25637-99-4 | PBT (Article 57 d) |
| 1,2,5,6,9,10-hexabromocyclododecane | 3194-55-6 | PBT (Article 57 d) |
| alpha-hexabromocyclododecane | 134237-50-6 | PBT (Article 57 d) |
| beta-hexabromocyclododecane | 134237-51-7 | PBT (Article 57 d) |
| gamma-hexabromocyclododecane | 134237-52-8 | PBT (Article 57 d) |
| Bis(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | Toxic for reproduction (Article 57c) |
| Benzyl butyl phthalate (BBP) | 85-68-7 | Toxic for reproduction (Article 57c) |
| Dibutyl phthalate (DBP) | 84-74-2 | Toxic for reproduction (Article 57c) |
| Diisobutyl phthalate (DIBP) | 84-69-5 | Toxic for reproduction (Article 57c) |
| Diarsenic trioxide | 1327-53-3 | Carcinogenic (Article 57a) |
| Diarsenic pentaoxide | 1303-28-2 | Carcinogenic (Article 57a) |
| Lead chromate | 7758-97-6 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) |
| Lead sulfochromate yellow | 1344-37-2 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) |
| Lead chromate molybdate sulfate red | 12656-85-8 | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) |
| Tris(2-chloroethyl) phosphate | 115-96-8 | Toxic for reproduction (Article 57c) |
| 2,4-dinitrotoluene (2,4-DNT) | 121-14-2 | Carcinogenic (Article 57a) |
| Trichloroethylene | 79-01-6 | Carcinogenic (Article 57a) |
| Chromium trioxide | 1333-82-0 | Carcinogenic (Article 57a)#Mutagenic (Article 57b) |
| Acids generated from chromium trioxide and their oligomers | - | Carcinogenic (Article 57a) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| Oligomers of chromic acid and dichromic acid | - | Carcinogenic (Article 57a) |
| Chromic acid | 7738-94-5 | Carcinogenic (Article 57a) |
| Dichromic acid | 13530-68-2 | Carcinogenic (Article 57a) |
| Sodium dichromate | 10588-01-9, 7789-12-0 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) |
| Potassium dichromate | 7778-50-9 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) |
| Ammonium dichromate | 7789-09-5 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) |
| Potassium chromate | 7789-00-6 | Carcinogenic (Article 57a)#Mutagenic (Article 57b) |
| Sodium chromate | 7775-11-3 | Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c) |
| Formaldehyde, oligomeric reaction products with aniline | 25214-70-4 | Carcinogenic (Article 57a) |
| Arsenic acid | 7778-39-4 | Carcinogenic (Article 57a) |
| Bis(2-methoxyethyl) ether | 111-96-6 | Toxic for reproduction (Article 57c) |
| 1,2-dichloroethane (EDC) | 107-06-2 | Carcinogenic (Article 57a) |
| 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | Carcinogenic (Article 57a) |
| Dichromium tris(chromate) | 24613-89-6 | Carcinogenic (Article 57a) |
| Strontium chromate | 7789-06-2 | Carcinogenic (Article 57a) |
| Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 | Carcinogenic (Article 57a) |
| Pentazinc chromate octahydroxide | 49663-84-5 | Carcinogenic (Article 57a) |
| 1-bromopropane (n-propyl bromide) | 106-94-5 | Toxic for reproduction (Article 57c) |
| diisopentylphthalate | 605-50-5 | Toxic for reproduction (Article 57c) |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | Toxic for reproduction (Article 57c) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | Toxic for reproduction (Article 57c) |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | 84777-06-0 | Toxic for reproduction (Article 57c) |
| Bis(2-methoxyethyl) phthalate | 117-82-8 | Toxic for reproduction (Article 57c) |
| Dipentyl phthalate | 131-18-0 | Toxic for reproduction (Article 57c) |
| n-pentyl-isopentylphthalate | 776297-69-9 | Toxic for reproduction (Article 57c) |
| Anthracene oil | 90640-80-5 | Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e) |
| Pitch, coal tar, high-temp. | 65996-93-2 | Carcinogenic (Article 57a)#PBT (Article 57 d)#vPvB (Article 57 e) |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy- | 9036-19-5 | Endocrine disrupting properties (Article 57(f) - environment) |
| Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether | 9002-93-1 | Endocrine disrupting properties (Article 57(f) - environment) |
| 20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol | 2497-59-8 | Endocrine disrupting properties (Article 57(f) - environment) |
| 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol | 2315-67-5 | Endocrine disrupting properties (Article 57(f) - environment) |
| 2-{2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy}ethanol | 2315-61-9 | Endocrine disrupting properties (Article 57(f) - environment) |
| 4-Nonylphenol, branched and linear, ethoxylated | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated | 9016-45-9 | Endocrine disrupting properties (Article 57(f) - environment) |
| 4-Nonylphenol, ethoxylated | 26027-38-3 | Endocrine disrupting properties (Article 57(f) - environment) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol | 7311-27-5 | Endocrine disrupting properties (Article 57(f) - environment) |
| 2-[2-(4-nonylphenoxy)ethoxy]ethanol | 20427-84-3 | Endocrine disrupting properties (Article 57(f) - environment) |
| 20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol | 27942-27-4 | Endocrine disrupting properties (Article 57(f) - environment) |
| 26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan -1-ol | 14409-72-4 | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, branched, ethoxylated (CAS# 68412-54-4) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched (CAS# 68412-54-4) | 68412-54-4 | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (15-EO) (9016-45-9) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (10-EO) (9016-45-9) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (8-EO) (9016-45-9) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (6,5-EO) (9016-45-9) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, branched, ethoxylated | 68412-54-4 | Endocrine disrupting properties (Article 57(f) - environment) |
| 2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol | 1119449-37-4 | Endocrine disrupting properties (Article 57(f) - environment) |
| 14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol | 26264-02-8 | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (polymer) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (EO = 4) | - | Endocrine disrupting properties (Article 57(f) - environment) |
| Nonylphenol, ethoxylated (EO = 10) | - | Endocrine disrupting properties (Article 57(f) - environment) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| Nonylphenolpolyglycolether | - | Endocrine disrupting properties (Article 57(f) - environment) |
| 26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol | 26571-11-9 | Endocrine disrupting properties (Article 57(f) - environment) |
| Ethanol, 2-(4-nonylphenoxy)- | 104-35-8 | Endocrine disrupting properties (Article 57(f) - environment) |
| 4-Nonylphenol, branched, ethoxylated (CAS: 127087-87-0) | 127087-87-0 | Endocrine disrupting properties (Article 57(f) - environment) |
| 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)- | 20636-48-0 | Endocrine disrupting properties (Article 57(f) - environment) |
| 4-t-Nonylphenol-diethoxylate | 156609-10-8 | Endocrine disrupting properties (Article 57(f) - environment) |
| Isononylphenol, ethoxylated | 37205-87-1 | Endocrine disrupting properties (Article 57(f) - environment) |
| p-Nonylphenol hexaethoxylate | 34166-38-6 | Endocrine disrupting properties (Article 57(f) - environment) |
| Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9) | 9016-45-9 | Endocrine disrupting properties (Article 57(f) - environment) |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | Endocrine disrupting properties (Article 57(f) - environment) |
| 23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxatricosan-1-ol | 27177-05-5 | Endocrine disrupting properties (Article 57(f) - environment) |
| 2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol | 1119449-38-5 | Endocrine disrupting properties (Article 57(f) - environment) |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | Toxic for reproduction (Article 57c) |
| Dihexyl phthalate | 84-75-3 | Toxic for reproduction (Article 57c) |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters | - | Toxic for reproduction (Article 57c) |
| 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters | 68648-93-1 | Toxic for reproduction (Article 57c) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters | 68515-51-5 | Toxic for reproduction (Article 57c) |
| Trixylyl phosphate | 25155-23-1 | Toxic for reproduction (Article 57c) |
| Sodium perborate, perboric acid, sodium salt | - | Toxic for reproduction (Article 57c) |
| Perboric acid (H3BO2(O2)), monosodium salt, trihydrate | 13517-20-9 | Toxic for reproduction (Article 57c) |
| Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2) | 90568-23-3 | Toxic for reproduction (Article 57c) |
| Sodium perborate | 15120-21-5 | Toxic for reproduction (Article 57c) |
| Perboric acid, sodium salt | 11138-47-9 | Toxic for reproduction (Article 57c) |
| Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6) | 125022-34-6 | Toxic for reproduction (Article 57c) |
| Sodium peroxometaborate | 7632-04-4 | Toxic for reproduction (Article 57c) |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] | - | vPvB (Article 57e) |
| Reaction mass of 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | 117933-89-8 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | 676367-06-9 | vPvB (Article 57e) |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | - | vPvB (Article 57e) |
| 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | - | vPvB (Article 57e) |
| 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | 186309-28-4 | vPvB (Article 57e) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | 117933-89-8 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | 676367-05-8 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis-rel- | 343934-04-3 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | 676367-09-2 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1R,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans-rel- | 343934-05-4 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | 676367-04-7 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1R,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | 676367-08-1 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | 676367-03-6 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1S,2R)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, trans- | 676367-07-0 | vPvB (Article 57e) |
| 1,3-Dioxane, 2-[(1S,2S)-2,4-dimethyl-3-cyclohexen-1-yl]-5-methyl-5-(1-methylpropyl)-, cis- | 676367-02-5 | vPvB (Article 57e) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,6R)-4,6-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane | - | vPvB (Article 57e) |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | PBT (Article 57d)#vPvB (Article 57e) |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | vPvB (Article 57e) |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | vPvB (Article 57e) |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | PBT (Article 57d)#vPvB (Article 57e) |
| Tetraethyllead | 78-00-2 | Toxic for reproduction |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (with ≥ 0,1% of Michler's ketone (EC No 202-027-5) or Michler's base (EC No 202-959-2)) | 561-41-1 | Carcinogenic |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) (with ≥ 0,1% w/w 4-heptylphenol, branched and linear) | | Endocrine disrupting properties (Article 57, point (f) - environment) |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | Toxic for reproduction (category 1B) |

# Annex XIV Authorisation

| Substance Name | CAS No. | Detailed Concern |
|---|---|---|
| Reaction mass of 2- ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate and 2- ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7- oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | | Toxic for reproduction (category 1B) |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Polychlorinated terphenyls (PCTs) | | - |
| Chloroethene | Vinyl Chloride, Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 (See group members): Hazard class 4.1 Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10. Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F Hazard class 5.1. | 75-01-4 |
| Tris (2,3 dibromopropyl) phosphate | | 126-72-7 |
| Benzene | | 71-43-2 |
| Asbestos fibres | | - |
| Actinolite | | 77536-66-4 |
| Tremolite | | 77536-68-6 |
| Crocidolite | | 12001-28-4 |
| Amosite | | 12172-73-5 |
| Chrysotile | | 12001-29-5, 132207-32-0 |
| Anthophyllite | | 77536-67-5 |
| Tris(aziridinyl)phosphinoxide | | 545-55-1 |
| Polybromobiphenyls, Polybrominatedbiphenyls (PBB) | | - |
| Polybromobiphenyls, Polybrominatedbiphenyls (PBB) | | 59536-65-1 |
| Polybrominated biphenyls (PBB) except hexabromo-biphenyl | | - |
| 4-bromobiphenyl | | 92-66-0 |
| 4,4'-dibromobiphenyl | | 92-86-4 |
| Hexabromo-1,1'-biphenyl | | 36355-01-8 |
| Decabromo-1,1'-biphenyl | | 13654-09-6 |
| Nonabromo-1,1'-biphenyl | | 27753-52-2 |
| Tetrabromo(tetrabromophenyl)benzene | | 27858-07-7 |
| 3-bromobiphenyl | | 2113-57-7 |
| Entry 9 | | - |
| Benzidine and / or its derivatives | | - |
| Powder of the roots of Helleborus viridis and Helleborus niger | | - |
| Soap bark powder (Quillaja saponaria) and its derivatives containing saponines | Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Quillaja saponaria, Rosaceae. | 68990-67-0 |
| Wood powder | | - |

| Substance name | Description | CAS No. |
|---|---|---|
| o-Nitrobenzaldehyde | | 552-89-6 |
| Powder of the roots of Veratrum album and Veratrum nigrum | | - |
| Entry 10 | | - |
| Ammonium polysulphide | | 9080-17-5 |
| Ammonium sulphide | | 12135-76-1 |
| Ammonium hydrogen sulphide | | 12124-99-1 |
| Volatile esters of bromoacetic acids | | - |
| Propyl bromoacetate | | 35223-80-4 |
| Butyl bromoacetate | | 18991-98-5 |
| Ethyl bromoacetate | | 105-36-2 |
| Methyl bromoacetate | | 96-32-2 |
| 2-naphthylamine and its salts | | - |
| Salts of 2-naphthylamine | | - |
| 2-naphthylammonium chloride | | 612-52-2 |
| 2-naphthylammonium acetate | | 553-00-4 |
| 2-naphthylamine | | 91-59-8 |
| Benzidine and its salts | | - |
| Benzidine | | 92-87-5 |
| Salts of benzidine | | - |
| 1,3,6-Naphthalenetrisulfonic acid, 8-hydroxy-7-((4'-((2-hydroxy-1-naphthalenyl)azo)-(1,1'-biph | | 6426-67-1 |
| 2,[?]-Naphthalenedisulfonic acid, 4-[[][[]4-[[](4-amino-1-naphthalenyl)azo]-1-naphthalenyl]azo]-, disodium salt | | 8004-59-9 |
| Disodium 4,4'-diaminobiphenyl-2,2'-disulfonate | | 27336-24-9 |
| 1,1'-Biphenyl-4,4'-diamine, monoperchlorate | | 29806-76-6 |
| [1,1'-Biphenyl]-4,4'-diamine, perchlorate | | 38668-12-1 |
| Benzidine diperchlorate | | 41195-21-5 |
| (1,1'-Biphenyl)-4,4'-diamine, dihydrofluoride | | 41766-73-8 |
| (1,1'-Biphenyl)-4,4'-diamine, monoacetate | | 52754-64-0 |
| Benzidine, hydrochloride | | 14414-68-7 |
| (1,1'-Biphenyl)-ar,ar',4,4'-tetramine | | 66836-18-8 |
| benzidine, phosphate (1:1) | | 66907-22-0 |
| Nickel(2+), ((1,1'-biphenyl)-4,4'-diamine-N)- | | 67632-50-2 |
| (1,1'-Biphenyl)-4,4'-diamine, dihydriodide | | 75534-79-1 |
| (1,1'-Biphenyl)-4,4'-diamine, monohydrochloride | | 75752-15-7 |
| benzidine, mono(2-hydroxy-3,5-dinitrobenzoate) | | 78577-03-4 |
| benzidine, mono(3,5-dinitrobenzoate) | | 78577-08-9 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Benzidine dihydrochloride | | 531-85-1 |
| [[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate | | 531-86-2 |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) | | 573-58-0 |
| 4,4'-bi-o-toluidine dihydrochloride | | 612-82-8 |
| 3,3'-dichlorobenzidine dihydrochloride | | 612-83-9 |
| Tetrasodium 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] | | 72-57-1 |
| 3,3'-dichlorobenzidine | | 91-94-1 |
| 3,3'-dimethoxybenzidine | | 119-90-4 |
| 4,4'-bi-o-toluidine | | 119-93-7 |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate | | 1937-37-7 |
| Disodium 5-[[4'-[(1-amino-4-sulphonato-2-naphthyl)azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 2429-79-0 |
| Tetrasodium 5-[[4'-[[2,6-diamino-3-[[8-hydroxy-3,6-disulphonato-7-[(4-sulphonato-1-naphthyl)azo]-2-naphthyl]azo]-5-tolyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 2429-81-4 |
| Disodium 5-[[4'-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 2429-82-5 |
| Disodium 4-amino-3-[[4'-[(2,4-diamino-5-methylphenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate | | 2429-83-6 |
| Disodium 5-[[4'-[(2-amino-8-hydroxy-6-sulphonato-1-naphthyl)azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 2429-84-7 |
| Hexasodium 5,5'-[(3,7-disulphonato-1,5-naphthylene)bis[azo(6-hydroxy-3,1-phenylene)azo[6(or 7)-sulphonato-4,1-naphthylene]azo[1,1'-biphenyl]-4,4'-diylazo]]bis(salicylate) | | 8014-91-3 |
| Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] | | 2602-46-2 |
| Disodium 5-[[4'-[[2,4-dihydroxy-3-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 2893-80-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Disodium 5-[[4'-[[1-hydroxy-7-(phenylamino)-3-sulphonato-2-naphthyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 3476-90-2 |
| Disodium 8-[[4'-[(4-ethoxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-7-hydroxynaphthalene-1,3-disulphonate | | 3530-19-6 |
| Disodium 7-hydroxy-8-[[4'-[[4-[[(p-tolyl)sulphonyl]oxy]phenyl]azo][1,1'-biphenyl]-4-yl]azo]naphthalene-1,3-disulphonate | | 3567-65-5 |
| Disodium 4-amino-5-hydroxy-3-[[4'-[(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-6-(phenylazo)naphthalene-2,7-disulphonate | | 3626-28-6 |
| Disodium 5-[[4'-[[2,4-diamino-5-[(4-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 3811-71-0 |
| Disodium 4-amino-5-hydroxy-6-[[4'-[(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-3-[(4-nitrophenyl)azo]naphthalene-2,7-disulphonate | | 4335-09-5 |
| Trisodium 5-[[4'-[[8-amino-1-hydroxy-7-[(p-nitrophenyl)azo]-3,6-disulphonato-2-naphthyl]azo]-4-biphenyl]azo]salicylate | | 5422-17-3 |
| Disodium 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-3-methylsalicylate | | 6360-54-9 |
| Benzidine sulphate | | 21136-70-9 |
| Disodium [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylato(4-)]cuprate(2-) | | 16071-86-6 |
| Disodium 5-[[4'-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulphonatophenyl)-1H-pyrazol-4-yl]azo][1,1'-biphenyl]-4-yl]azo]salicylate | | 13164-93-7 |
| Benzidine acetate | | 36341-27-2 |
| [2,2'-dichloro[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate | | 70146-07-5 |
| Dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diglycollate | | 74220-10-3 |
| benzidine, bis(2-hydroxy-3,5-dinitrobenzoate) | | 92415-34-4 |
| benzidine, bis(3,5-dinitrobenzoate) | | 92415-52-6 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| 4-Nitrobiphenyl | | 92-93-3 |
| 4-Aminobiphenyl xenylamine and its salts | | - |
| 4-Aminobiphenyl xenylamine | | 92-67-1 |
| Lead carbonates | | - |
| Trilead-bis(carbonate)-dihydroxide 2PbCO3-Pb(OH)2 | | 1319-46-6 |
| Neutral anhydrous carbonate (PbCO3 ) | | 598-63-0 |
| Lead sulphates | | - |
| Sulphuric acid, lead salt Pbx SO4 | | 15739-80-7 |
| Lead sulphate PbSO4 | | 7446-14-2 |
| Mercury compounds | | - |
| Mercury | | 7439-97-6 |
| Arsenic compounds | | - |
| Tribarium diarsenate | | 13477-04-8 |
| Trinickel bis(arsenate) | | 13477-70-8 |
| Trilithium arsenate | | 13478-14-3 |
| Trisilver arsenate | | 13510-44-6 |
| Antimony arsenate | | 28980-47-4 |
| Arsenic acid, copper(2+) salt | | 29871-13-4 |
| Lithium hexafluoroarsenate | | 29935-35-1 |
| Ammonium copper arsenate | | 32680-29-8 |
| Europium arsenide | | 32775-46-5 |
| Tristrontium diarsenide | | 39297-24-0 |
| Tris(pentane-2,4-dionato-O,O')silicon hexafluoroarsenate | | 67251-38-1 |
| Slimes and Sludges, copper refining | A complex combination resulting from copper processing---other than electrolytic. | 67712-00-9 |
| Lead alloy, base, dross | A scum formed on the surface of molten lead-base alloys. Includes those cases in which aluminum is used to remove arsenic, nickel and antimony. | 69011-59-2 |
| Lead, antimonial, dross | A scum formed on the surface of antimonial lead. Consists primarily of sodium arsenate and sodium antimonate with some lead oxide and free caustic soda. | 69029-51-2 |
| Flue dust, lead-refining | By-product of refining lead ores obtained from baghouse and electro-static precipitator and as slurry from scrubbers. | 69029-67-0 |
| Disilver arsenide | | 70333-07-2 |
| Thulium arsenide | | 12006-10-9 |
| Ytterbium arsenide | | 12006-12-1 |
| Iron diarsenide | | 12006-21-2 |
| Trizinc diarsenide | | 12006-40-5 |
| Iron arsenide | | 12044-16-5 |
| Digallium arsenide phosphide | | 12044-20-1 |
| Tripotassium arsenide | | 12044-21-2 |
| Trilithium arsenide | | 12044-22-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Trisodium arsenide | | 12044-25-6 |
| Praseodymium arsenide | | 12044-28-9 |
| Trimagnesium diarsenide | | 12044-49-4 |
| Diarsenic tritelluride | | 12044-54-1 |
| Zinc diarsenide | | 12044-55-2 |
| Nickel diarsenide | | 12068-61-0 |
| Trisilver arsenite | | 7784-08-9 |
| Arsenic tribromide | | 7784-33-0 |
| Arsenic trichloride | | 7784-34-1 |
| Trifluoroarsine | | 7784-35-2 |
| Pentafluoroarsorane | | 7784-36-3 |
| Mercury hydrogenarsenate | | 7784-37-4 |
| Manganese hydrogenarsenate | | 7784-38-5 |
| Lead hydrogen arsenate | | 7784-40-9 |
| Potassium dihydrogenarsenate | | 7784-41-0 |
| Diammonium hydrogenarsenate | | 7784-44-3 |
| Arsenic triiodide | | 7784-45-4 |
| Sodium dioxoarsenate | | 7784-46-5 |
| Pentahydroxyarsorane | | 7786-36-9 |
| Flue dust, arsenic-contg. | Formed when arsenic and metal oxide particles are driven off during the roasting and converting of copper concentrates and matte in the production of anode copper. | 8028-73-7 |
| Lead arsenite | | 10031-13-7 |
| Triethyl arsenite | | 3141-12-6 |
| Trilead diarsenate | | 3687-31-8 |
| Disodium 4-[(o-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate | | 3688-92-4 |
| Diphenyldiarsenic acid | | 4519-32-8 |
| Dichromium arsenide | | 12254-85-2 |
| Erbium arsenide | | 12254-88-5 |
| Lanthanum arsenide | | 12255-04-8 |
| Niobium arsenide | | 12255-08-2 |
| Neodymium arsenide | | 12255-09-3 |
| Triantimony arsenide | | 12255-36-6 |
| Samarium arsenide | | 12255-39-9 |
| Yttrium arsenide | | 12255-48-0 |
| Tribarium diarsenide | | 12255-50-4 |
| Tricalcium diarsenide | | 12255-53-7 |
| Germanium arsenide | | 12271-72-6 |
| Trisilver arsenide | | 12417-99-1 |
| Arsenic sulfide | | 12612-21-4 |
| Sodium metaarsenate | | 15120-17-9 |
| N-(p-arsenosophenyl)-1,3,5-triazine-2,4,6-triamine | | 21840-08-4 |
| Aluminium arsenide | | 22831-42-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| Triammonium arsenate | | 24719-13-9 |
| Tricobalt diarsenate | | 24719-19-5 |
| Cobalt arsenide | | 27016-73-5 |
| Nickel arsenide | | 27016-75-7 |
| Tricalcium diarsenite | | 27152-57-4 |
| 3-methyl-4-(pyrrolidin-1-yl)benzenediazonium hexafluoroarsenate | | 27569-09-1 |
| Copper diarsenite | | 16509-22-1 |
| Potassium hexafluoroarsenate | | 17029-22-0 |
| Hydrogen hexafluoroarsenate | | 17068-85-8 |
| Ammonium dihydrogenarsenate | | 13462-93-6 |
| Potassium arsenite | | 13464-35-2 |
| Trisodium arsenite | | 13464-37-4 |
| Trisodium arsenate | | 13464-38-5 |
| Zinc arsenate | | 13464-44-3 |
| Tristrontium diarsenate | | 13464-68-1 |
| Tris[(8α)-6'-methoxycinchonan-9(R)-ol] arsenite | | 94138-87-1 |
| Strychnidin-10-one, arsenite (1:1) | | 100258-44-4 |
| Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich | Product obtained by centrifuging the slime discharged at the bases of cells for decopperization of electrolytic copper solutions. Composed primarily of a copper powder rich in arsenic. | 100995-81-1 |
| Arsenic acid (H3AsO4), magnesium salt, manganese-doped | | 102110-21-4 |
| Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg. | The product obtained by the purification of copper-lead ore concentrate roasting offgas. Composed primarily of arsenic oxide (As2O3). | 102110-62-3 |
| Gallium zinc triarsenide | | 98106-56-0 |
| Vanadium(4+) diarsenate (1:1) | | 99035-51-5 |
| Sodium hexafluoroarsenate(V) | | 12005-86-6 |
| Sodium arsenate dibasic heptahydrate | | 10048-95-0 |
| Sodium cacodylate trihydrate | | 6131-99-3 |
| Thallium triarsenide | | 84057-85-2 |
| Silicic acid (H4SiO4), zinc salt (1:2), arsenic and manganese-doped | | 68611-46-1 |
| Bis(pentane-2,4-dionato-O,O')boron(1+) hexafluoroarsenate(1-) | | 68892-01-3 |
| Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3) | | 68951-38-2 |
| Triphenylsulphonium hexafluoroarsenate(1-) | | 57900-42-2 |
| Zirconium arsenide | | 60909-47-9 |
| Trimanganese arsenide | | 61219-26-9 |
| Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate | | 62337-00-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Diphenyliodonium hexafluoroarsenate | | 62613-15-4 |
| 4-(ethylamino)-2-methylbenzenediazonium hexafluoroarsenate | | 63217-32-3 |
| 4-(diethylamino)-2-ethoxybenzenediazonium hexafluoroarsenate | | 63217-33-4 |
| Antimony arsenic oxide | | 64475-90-7 |
| Arsenic bromide | | 64973-06-4 |
| Cobalt arsenide | | 65453-05-6 |
| 2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate | | 84282-36-0 |
| 2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate | | 84304-15-4 |
| 4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate | | 84304-16-5 |
| Oxophenarsine hydrochloride | | 538-03-4 |
| Tris[(8α,9R)-6'-methoxycinchonan-9-ol] bis(arsenate) | | 549-59-7 |
| Sulfarsphenamine | | 618-82-6 |
| Phenylarsine oxide | | 637-03-6 |
| Dimethylarsinic acid | | 75-60-5 |
| Roxarsone | | 121-19-7 |
| Sodium dimethylarsinate | | 124-65-2 |
| 6,6'-dihydroxy-3,3'-diarsene-1,2-diyldianilinium dichloride | | 139-93-5 |
| Oxophenarsine | | 306-12-7 |
| Tritylium hexafluoroarsenate | | 437-15-0 |
| Neoarsphenamine | | 457-60-3 |
| Gallium arsenide | | 1303-00-0 |
| Indium arsenide | | 1303-11-3 |
| Diarsenic pentaoxide | | 1303-28-2 |
| Arsenic sulfide | | 1303-33-9 |
| Diarsenic triselenide | | 1303-36-2 |
| Diarsenic trioxide | | 1327-53-3 |
| Arsenic | | 7440-38-2 |
| Arsenic acid, sodium salt | | 7631-89-2 |
| Arsenic acid | | 7778-39-4 |
| Disodium hydrogenarsenate | | 7778-43-0 |
| Calcium arsenate | | 7778-44-1 |
| Iron arsenate | | 10102-49-5 |
| Iron bis(arsenate) | | 10102-50-8 |
| Arsenic acid, magnesium salt | | 10103-50-1 |
| Arsenic acid, copper salt | | 10103-61-4 |
| Arsenic acid, calcium salt | | 10103-62-5 |
| Strychnine arsenate | | 10476-82-1 |
| Tricopper arsenide | | 12005-75-3 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Dysprosium arsenide | | 12005-81-1 |
| Diiron arsenide | | 12005-88-8 |
| Gadolinium arsenide | | 12005-89-9 |
| Holmium arsenide | | 12005-92-4 |
| Lutetium arsenide | | 12005-94-6 |
| Manganese arsenide | | 12005-95-7 |
| Terbium arsenide | | 12006-08-5 |
| Thallium arsenide | | 12006-09-6 |
| Arsenic acid, (H3-As-O4), lead(4+) salt (4:3) | | 53404-12-9 |
| (2-Chloroethenyl)arsonous dichloride | | 541-25-3 |
| Arsenic acid (H3AsO4), bismuth salt (1:1) | | 13702-38-0 |
| Arsenenous acid | | 13768-07-5 |
| Ammonium magnesium arsenate | | 14644-70-3 |
| Arsenenous acid, calcium salt (2:1) | | 15194-98-6 |
| Arsenious acid (HAsO2), strontium salt | | 15195-06-9 |
| Calcium arsenate fluoride | | 17068-86-9 |
| Arsenic(II) sulfide | | 12044-79-0 |
| Arsenenic acid | | 10102-53-1 |
| Arsenic acid (H3AsO4), monosodium salt | | 10103-60-3 |
| Diarsenic acid, sodium salt | | 13464-42-1 |
| Arsenenous acid, zinc salt | | 10326-24-6 |
| Arsenous acid, lead(2+) salt (1:1) | | 100822-74-0 |
| Arsenic acid (H3AsO4), lead(4+) salt (3:2) | | 10102-48-4 |
| Arsenic acid (H3AsO4), copper(2+) salt (4:1) | | 102525-64-4 |
| Gallium arsenide phosphide | | 106097-61-4 |
| 4-Aminophenylarsenoxide | | 1122-90-3 |
| Magnesium arsenate, decahydrate | | 117746-50-6 |
| Boron arsenide (BAs) | | 12005-69-5 |
| Boron arsenide (B6As) | | 12005-70-8 |
| Manganese arsenide (Mn2As) | | 12005-96-8 |
| Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate | | 120119-64-4 |
| Tin arsenide (SnAs) | | 12044-32-5 |
| Cobalt arsenide (CoAs2) | | 12044-42-7 |
| Platinum arsenide (PtAs2) | | 12044-52-9 |
| Arsenic sulfide (AsS2) | | 56320-22-0 |
| Zinc arsenide | | 56450-43-2 |
| Arsenous acid, iron(3+) salt (1:1) | | 60168-33-4 |
| Sodium oxidoarsonous acid | | 60189-99-3 |
| Arsenic trichloride | | 60646-36-8 |
| Gallium arsenic phosphide | | 60953-19-7 |
| Strontium arsenide (SrAs3) | | 61462-16-6 |
| (4-((2-Amino-2-oxoethyl)amino)phenyl)arsonic acid | | 618-25-7 |

| Substance name | Description | CAS No. |
|---|---|---|
| Arsonic acid, methyl-, compd. with 1-octanamine (1:1) | | 6379-37-9 |
| Ferric arsenite, basic | | 63989-69-5 |
| iron;iron(3+);methyl-dioxido-oxo-$l^{5}-arsane | | 6585-53-1 |
| ARSENIC ACID (H3ASO4), HEMIHYDRATE | | 7774-41-6 |
| Arsonic acid, methyl-, calcium salt (1:1) | | 6423-72-9 |
| trisodium;trioxido(oxo)-$l^{5}-arsane;dodecahydrate | | 13510-46-8 |
| Arsenic acid (H3AsO4), monopotassium salt, 1/5hydrate | | 164170-84-7 |
| Arsenous acid | | 13464-58-9 |
| Tin arsenide (Sn4As3) | | 12397-66-9 |
| Arsenous acid, tricopper(1+) salt, ammoniated | | 37337-11-4 |
| Arsenic tetrasulfide | | 56729-51-2 |
| Arsonic acid, monoammonium salt | | 54058-01-4 |
| Tetraarsenic trisulfide | | 12512-13-9 |
| [No public or meaningful name is available] | | 16973-45-8 |
| Arsenic tetrachloride fluoride | | 87198-15-0 |
| Arsonic acid, lead(2+) salt (1:1) | | 109882-46-4 |
| Tripotassium arsenate 3/2hydrate | | 62702-52-7 |
| Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped | | 68784-76-9 |
| Silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide (As2O3) | | 68957-75-5 |
| Arsenenous acid, silver(1+) salt | | 69507-43-3 |
| Benzenesulfonic acid, 4-arsenoso-, sodium salt | | 71130-50-2 |
| Benzenesulfonic acid, 4-arsenoso- | | 71130-51-3 |
| Arsenenous acid, lithium salt | | 72845-34-2 |
| Arsenous acid, copper(2+) salt, hydrate, (2:3:3) | | 73156-86-2 |
| Arsenic acid (H3AsO4), lead salt | | 7645-25-2 |
| Arsenenous acid, neodymium(3+) salt | | 76871-63-1 |
| Arsenenous acid, lutetium(3+) salt | | 76871-65-3 |
| Arsenenous acid, cadmium neodymium(3+) salt (5:1:1) | | 76871-66-4 |
| Arsenic acid (H3AsO4), copper(2+) salt (2:3) | | - |
| Arsenenous acid, cesium salt | | 82005-78-5 |
| Arsenenous acid, mercury(2+) salt | | 82980-40-3 |
| Arsenenous acid, antimony(3+) salt | | 83877-96-7 |
| Arsenenous acid, cadmium salt | | 84953-43-5 |
| Arsenenous acid, cobalt(2+) salt | | 85561-28-0 |
| Arsenenous acid, manganese(2+) salt | | 85561-29-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| Arsenenous acid, rubidium salt | | 85906-44-1 |
| Arsenic acid (H3AsO4), calcium salt (7:10) | | 85949-61-7 |
| Arsenenous acid, praseodymium(3+) salt | | 86859-92-9 |
| Arsenenous acid, cerium(3+) salt | | 86859-93-0 |
| Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate | | 88442-64-2 |
| Arsenic acid (H3AsO4), copper(2+) salt (4:5) | | 89054-01-3 |
| Arsenic acid (H3AsO4), lead(2+) salt (4:5) | | 89054-03-5 |
| arsenic acid, calcium salt | | 89054-07-9 |
| Arsenic acid (H3AsO4), calcium salt (4:5) | | 89067-81-2 |
| Strontium arsenite (Sr(As2O4)) | | 91724-16-2 |
| Arsenous acid, titanium salt | | 92278-94-9 |
| Arsonic acid, tin salt | | 93080-00-3 |
| Arsenenous acid, ammonium copper salt | | 94854-78-1 |
| Arsenenous acid, ammonium zinc salt | | 94854-80-5 |
| Dibismuth tris(methylarsonate) | | 85237-42-9 |
| Leucomycin V, 9-O-[5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]-, [9(5S,6R)]-, [1,2-ethanediylbis(imino-4,1-phenylene)]bis[arsonate] (1:1) (salt) | | 93841-79-3 |
| (diphenylarsino)dimethylgallium | | 94113-53-8 |
| (4-aminophenyl)arsonic acid, compound with piperazine (1:1) | | 94232-26-5 |
| Copper acetoarsenite | | 12002-03-8 |
| Arsonic acid, [4-[[4-(dimethylamino)phenyl]azo]phenyl]-, monohydrochloride | | 73688-85-4 |
| Tetraphenylarsonium Chloride Hydrochloride Hydrate | | 123334-18-9 |
| Sodium hydrogen allylarsonate | | 94278-22-5 |
| Disodium p-tolylarsonate | | 94313-58-3 |
| Silver hexafluoroarsenate | | 12005-82-2 |
| Arsenic sulfide (As2S5) | | 1303-34-0 |
| Arsenic disulfide | | 1303-32-8 |
| Arsenazo III sodium | | 138608-19-2 |
| (Carboxymethyl)trimethylarsonium hydroxide inner salt | | 64436-13-1 |
| Calcium arsenate (CaHAsO4) (6CI,7CI) | | 15195-00-3 |
| Aluminium gallium arsenide | | 37382-15-3 |
| Arsine, dichloromethyl- | | 593-89-5 |
| Cobalt arsenide (CoAs3) | | 12256-04-1 |
| Tetraarsenic tetrasulfide | | 12279-90-2 |
| Arsenic sulfide (As2S4) | | 12344-68-2 |
| Arsenopyrite, cobaltoan | | 12414-94-7 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Arsenous acid, antimony(3+) salt (1:1) | | 12523-20-5 |
| Arsenic selenide | | 12626-31-2 |
| Arsorane, pentahydroxy-, copper(2+) salt (1:2) | | - |
| Arsenic oxide | | 12777-38-7 |
| Arsenic acid (H3AsO4), ammonium salt (2:1) | | 127795-79-3 |
| Nickel arsenide | | 12795-30-1 |
| Rammelsbergite (NiAs2) | | 1303-22-6 |
| Zinc arsenenate oxide (Zn5(AsO3)4O3), tetrahydrate | | 1303-39-5 |
| Diarsenic acid | | 13453-15-1 |
| Arsenic acid (H3AsO4), copper(2+) salt (1:1) | | 13464-31-8 |
| Arsenic acid, tripotassium salt | | 13464-36-3 |
| Arsenic acid, calcium salt (1:2) | | 13464-39-6 |
| Arsonic acid, disodium salt | | 13466-06-3 |
| Boron arsenate | | 13510-31-1 |
| Zinc arsenate, octahydrate | | 13510-72-0 |
| Arsenic chloride (AsCl) | | 17522-78-0 |
| Arsenic acid (H3AsO4), dipotassium salt | | 21093-83-4 |
| Arsenic acid (H3AsO4), magnesium salt (2:3) | | 21480-65-9 |
| Arsenic pentachloride | | 22441-45-8 |
| Arsenous acid, gallium salt (1:1) | | 24343-41-7 |
| Manganese arsenate | | 27526-45-0 |
| Arsenous acid, zinc salt (2:3) | | 28837-97-0 |
| Arsenic acid (H3AsO4), cobalt(2+) salt | | 29871-10-1 |
| arsenic acid (H3AsO4), calcium salt(2:3), dihydrate | | 30621-31-9 |
| Arsine oxide, dichloro(2-chlorovinyl)- | | 333-25-5 |
| Arsenous acid, tricopper(1+) salt | | 33382-64-8 |
| Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate | | 33940-95-3 |
| Arsonic acid, methyl-, iron salt (9CI) | | 33972-75-7 |
| Arsenenous acid, nickel(2+) salt | | 33992-49-3 |
| Arsenous acid, tripotassium salt | | 36267-15-9 |
| Arsonate | | 36465-76-6 |
| Arsenic chloride | | 37226-49-6 |
| Iron arsenide | | 39310-41-3 |
| Arsine, bis(2-chlorovinyl)chloro- | | 40334-69-8 |
| Arsine, tris(2-chloroethenyl)- | | 40334-70-1 |
| Arsenic chloride (AsCl2) | | 41996-37-6 |
| Disodium 3,6-bis[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate | | 84215-47-4 |

| Substance name | Description | CAS No. |
|---|---|---|
| Disodium 3-[[2-[(dihydroxyarsino)oxy]phenyl]azo]-4,5-dihydroxynaphthalene-2,7-disulphonate | | 84215-48-5 |
| Calcium arsenite | | 52740-16-6 |
| Trisodium 4-[(o-arsonophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate | | 53669-45-7 |
| Acetarsol sodium | | 55588-51-7 |
| 3-formamido-4-hydroxyphenylarsonic acid | | 60154-16-7 |
| Bromo(hydroxytetraphenylarsoranato)magnesium | | 63468-73-5 |
| Difetarsone disodium | | 515-76-4 |
| Trisodium 2-(-hydrogen arsonatophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonate | | 520-10-5 |
| Acetarsol--diethylamine (1:1) | | 534-33-8 |
| Tryparsamide | | 554-72-3 |
| 10-chloro-5,10-dihydrophenarsazine | | 578-94-9 |
| Sodium hydrogen [4-(acetamido)phenyl]arsonate | | 585-54-6 |
| Allylarsonic acid | | 590-34-1 |
| Methyloxoarsine | | 593-58-8 |
| Trimethylarsine | | 593-88-4 |
| Dichloro(ethyl)arsine | | 598-14-1 |
| Triphenylarsine | | 603-32-7 |
| Triethylarsine | | 617-75-4 |
| 4-acetamidophenylarsonic acid | | 618-22-4 |
| 4-(4-dimethylaminophenylazo)phenylarsonic acid | | 622-68-4 |
| Iododimethylarsine | | 676-75-5 |
| Dichloro(phenyl)arsine | | 696-28-6 |
| Chlorodiphenylarsine | | 712-48-1 |
| Diphenylarsine | | 829-83-4 |
| Methyl 1,2,5,6-tetrahydro-1-methylnicotinate, mono[(3-acetamido-4-hydroxyphenyl)arsonate] | | 900-77-6 |
| Methyldiphenylarsine | | 945-48-2 |
| Triphenylarsine oxide | | 1153-05-5 |
| Diphenoxarsin-10-yl oxide | | 58-36-6 |
| Acetarsol | | 97-44-9 |
| Phenylarsonic acid | | 98-05-5 |
| 4-hydroxyphenylarsonic acid | | 98-14-6 |
| Arsanilic acid | | 98-50-0 |
| Nitarsone | | 98-72-6 |
| Propylarsonic acid | | 107-34-6 |
| Glycobiarsol | | 116-49-4 |

| Substance name | Description | CAS No. |
|---|---|---|
| Arsthinol | | 119-96-0 |
| Carbarsone | | 121-59-5 |
| Methylarsonic acid | | 124-58-3 |
| Disodium arsonoacetate | | 126-82-9 |
| Sodium hydrogen 4-aminophenylarsonate | | 127-85-5 |
| 4-[(2-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid | | 132-33-2 |
| Sodium hydrogen [4-[(hydroxyacetyl)amino]phenyl]arsonate | | 140-45-4 |
| Disodium methylarsonate | | 144-21-8 |
| 4-(glycolloylamino)phenylarsonic acid | | 144-87-6 |
| Tetramethyldiarsine | | 471-35-2 |
| Melarsoprol | | 494-79-1 |
| Tetraphenylarsonium bromide | | 507-27-7 |
| Tetraphenylarsonium chloride | | 507-28-8 |
| Methyltriphenylarsonium iodide | | 1499-33-8 |
| 2,7-(bis(2-arsonophenylazo))-1,8-dihydroxynaphthalene-3,6-disulphonic acid | | 1668-00-4 |
| o-phenylenediarsonic acid | | 1758-48-1 |
| Sodium p-[[4-[3-(2-arsono-4-nitrophenyl)triazen-1-yl]phenyl]azo]benzenesulphonate | | 1772-02-7 |
| 2-aminophenylarsonic acid | | 2045-00-3 |
| 3-amino-4-hydroxyphenylarsonic acid | | 2163-77-1 |
| Sodium methylarsonate | | 2163-80-6 |
| Sodium p-arsonobenzenesulphonate | | 6634-88-4 |
| 4-(4-aminophenylazo)phenylarsonic acid | | 6966-64-9 |
| Sodium 4-(glycolloylamino)phenylarsonate | | 7681-83-6 |
| Potassium arsonate | | 10124-50-2 |
| Copper arsonate | | 10290-12-7 |
| Strychnine dimethylarsinate | | 10476-87-6 |
| Tricadmium diarsenide | | 12006-15-4 |
| Arsine | | 7784-42-1 |
| 10-chloro-10H-phenoxarsine | | 2865-70-5 |
| Tri-p-tolylarsine | | 2896-10-8 |
| Disodium 3-[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate | | 3547-38-4 |
| Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate | | 3599-28-8 |
| Difetarsone | | 3639-19-8 |
| 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-naphthyl]azo]benzoic acid | | 3772-44-9 |

| Substance name | Description | CAS No. |
|---|---|---|
| p-tolylarsonic acid | | 3969-54-8 |
| Ethylenebis(diphenylarsine) | | 4431-24-7 |
| 10-[(dimethylthiocarbamoyl)thio]-5,10-dihydrophenarsazine | | 4808-24-6 |
| 2-nitrophenylarsonic acid | | 5410-29-7 |
| 4-(2-chloroacetamido)phenylarsonic acid | | 5425-62-7 |
| 4-chlorophenylarsonic acid | | 5440-04-0 |
| Calcium bis(dimethylarsinate) | | 5785-43-3 |
| [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic acid | | 5806-89-3 |
| Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate | | 5892-48-8 |
| Calcium bis(methylarsonate) | | 5902-95-4 |
| Iron tris(dimethylarsinate) | | 5968-84-3 |
| Diiodo(phenyl)arsine | | 6380-34-3 |
| Disodium hydrogen 2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-naphthyl]azo]benzoate | | 14674-83-0 |
| 2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxarsolane] | | 14849-23-1 |
| Chlorotris(triphenylarsine)rhodium | | 14973-92-3 |
| Proustite (Ag3(AsS3)) | | 15122-58-4 |
| Tetraphenylarsonium (hydrogen dichloride) | | 21006-73-5 |
| Methylenebis(diphenylarsine) | | 21892-63-7 |
| Diphenylarsinecarbonitrile | | 23525-22-6 |
| Bis[(2-diphenylarsinoethyl)phenyl]phosphine | | 23582-05-0 |
| [2-(diphenylarsino)ethyl]diphenylphosphine | | 23582-06-1 |
| o-phenylenebis(dimethylarsine) | | 13246-32-7 |
| Melarsonyl potassium | | 13355-00-5 |
| Thiobis[methylarsine], anhydrosulphide | | 13367-92-5 |
| Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate | | 66019-20-3 |
| Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1) | | 73003-83-5 |
| Strychnidin-10-one, compd. with methylarsonate (1:1) | | 80879-64-7 |
| Methyl 17α-hydroxyyohimban-16α-carboxylate, methylarsonate (1:1) | | 80925-03-7 |
| Organostannic compounds | | - |
| Di-μ-oxo-di-n-butylstanniohydroxyborane / Dibutyltin hydrogen borate C8H19BO3Sn (DBB) | DBB | 75113-37-0 |
| Cadmium and its compounds | | - |
| Cadmium compounds | | - |

| Substance name | Description | CAS No. |
|---|---|---|
| Flue dust, lead-manufg., cadmium-rich | Residue obtained in the metallurgical treatment of lead concentrate in a lead blast furnace. The substance is composed of cadmium oxides, lead oxides, and impurities containing compounds of arsenic, chlorine, indium and tellurium. | 85117-02-8 |
| Waste solids, cadmium-electrolysis, thallium-rich | Residue obtained in the electrolysis of cadmium, composed primarily of thallium chromate. Other non-ferrous metals or metal compounds may also be present. | 85117-20-0 |
| Fatty acids, C9-11-branched, cadmium salts | | 85586-15-8 |
| Bis(2-ethylhexyl mercaptoacetato - O',S)cadmium | | 93858-50-5 |
| Cadmium bis(o-nonylphenolate) | | 93894-07-6 |
| Cadmium bis(p-nonylphenolate) | | 93894-08-7 |
| Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate] | | 93894-09-8 |
| Cadmium (Z)-hexadec-9-enoate | | 93894-10-1 |
| Cadmium isodecanoate | | 93965-24-3 |
| Cadmium bis(isoundecanoate) | | 93965-30-1 |
| Cadmium dimethylhexanoate | | 93983-65-4 |
| Cadmium tetrapentyl bis(phosphate) | | 94232-49-2 |
| Cadmium chloride phosphate ($Cd_5Cl(PO_4)_3$), manganese-doped | | 100402-53-7 |
| Flue dust, copper-lead blast furnace, cadmium-indium-enriched | A cadmium-indium-enriched product obtained from the recirculation of copper-lead blast furnace flue dusts. Composed primarily of cadmium, indium and lead. | 100656-55-1 |
| Dodecanoic acid, cadmium salt, basic | | 101012-89-9 |
| Octadecanoic acid, cadmium salt, basic | | 101012-93-5 |
| Octadecanoic acid, 12-hydroxy-, cadmium salt, basic | | 101012-94-6 |
| Cadmium oxide (CdO), solid soln. with calcium oxide and titanium oxide ($TiO_2$), praseodymium-doped | | 101356-99-4 |
| Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped | | 101357-00-0 |
| Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped | | 101357-01-1 |
| Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped | | 101357-02-2 |
| Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped | | 101357-03-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped | | 101357-04-4 |
| Cadmium oxide (CdO), solid soln. with magnesium oxide, tungsten oxide (WO3) and zinc oxide | | 102110-30-5 |
| Silicic acid, zirconium salt, cadmium pigment-encapsulated | | 102184-95-2 |
| Acetic acid, cadmium salt, dihydrate | | 5743-04-4 |
| cadmium sulphate hydrate (3:8) | | 7790-84-3 |
| Cadmium (II) chloride monohydrate | | 35658-65-2 |
| Cadmium isooctyl phthalate (1:2:2) | | 94247-16-2 |
| Cadmium (1-ethylhexyl) phthalate (1:2:2) | | 94275-93-1 |
| Cadmium octyl phthalate (1:2:2) | | 94275-94-2 |
| Leach residues, cadmium-contg. flue dust | The substance formed during oxidative leaching of cadmium containing flue dust. Consists primarily of cadmium, lead and zinc compounds with chlorine, oxygen and sulfur and contains other nonferrous metal compounds. | 94551-70-9 |
| Cadmium isohexadecanoate | | 95892-12-9 |
| Cadmium diisobutyl dimaleate | | 97259-82-0 |
| Zircon, cadmium orange | | 99749-34-5 |
| Bis(5-oxo-L-prolinato-N1,O2)cadmium | | 85958-86-7 |
| Bis(5-oxo-DL-prolinato-N1,O2)cadmium | | 85994-31-6 |
| Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts | | 90194-35-7 |
| Benzoic acid, cadmium salt, basic | | 90218-85-2 |
| Decanoic acid, branched, cadmium salts | | 90342-19-1 |
| Hexanoic acid, 2-ethyl-, cadmium salt, basic | | 90411-62-4 |
| Propanoic acid, cadmium salt, basic | | 90529-78-5 |
| Cadmium zinc lithopone yellow | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77205:1. | 90604-89-0 |
| Cadmium lithopone yellow | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77199:1. | 90604-90-3 |
| Leach residues, cadmium cake | Residues obtained by cementation of cadmium by iron dust out of cadmium sulfate solutions. Composed primarily of metallic cadmium and zinc. | 91053-44-0 |
| Leach residues, zinc ore-calcine, cadmium-copper ppt. | Insoluble material precipitated by hydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt, copper, lead, manganese, nickel, thallium, tin and zinc. | 91053-46-2 |
| Fatty acids, castor-oil, hydrogenated, cadmium salts | | 91697-35-7 |
| Fatty acids, C8-10-branched, cadmium salts | | 92257-06-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Leach residues, zinc refining flue dust, cadmium-thallium ppt. | Sponge produced by leaching and precipitating cadmium and thallium fumes and flue dusts from lead/zinc smelting operations. | 92257-11-9 |
| Fatty acids, C9-13-neo-, cadmium salts | | 92704-12-6 |
| Fatty acids, olive-oil, cadmium salts | | 92704-15-9 |
| Fatty acids, peanut-oil, cadmium salts | | 92704-19-3 |
| Fatty acids, rape-oil, cadmium salts | | 92704-24-0 |
| Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts | | 92797-28-9 |
| Nonanoic acid, branched, cadmium salt | | 93686-40-9 |
| Carbonic acid, cadmium salt | | 93820-02-1 |
| Cadmium perchlorate hexahydrate | | 10326-28-0 |
| Cadmium chloride hydrate | | 654054-66-7 |
| cadmium chloride, hydrate(2:5) | | 7790-78-5 |
| Cadmium, benzoate p-tert-butylbenzoate complexes | | 68478-53-5 |
| Pyrochlore, bismuth cadmium ruthenium | An inorganic pigment that is the reaction product of high temperature calcination in which bismuth oxide, cadmium oxide, and ruthenium oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of pyrochlore. | 68479-13-0 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped | | 68784-10-1 |
| Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped | | 68784-55-4 |
| Fatty acids, tall-oil, cadmium salts | | 68855-80-1 |
| Fatty acids, C8-18 and C18-unsatd., cadmium salts | | 68876-84-6 |
| Cadmium sulfide (CdS), aluminum and copper-doped | | 68876-98-2 |
| Cadmium sulfide (CdS), aluminum and silver-doped | | 68876-99-3 |
| Cadmium sulfide (CdS), copper chloride-doped | | 68877-00-9 |
| Cadmium sulfide (CdS), silver chloride-doped | | 68877-01-0 |
| Cadmium sulfide (CdS), copper and lead-doped | | 68891-87-2 |
| Fatty acids, tallow, hydrogenated, cadmium salts | | 68953-39-9 |
| Resin acids and Rosin acids, cadmium salts | | 68956-81-0 |
| Bis[N,N-bis(carboxymethyl)glycinato(3-)]tricadmium | | 50648-02-7 |
| Boric acid, cadmium salt | | 51222-60-7 |

| Substance name | Description | CAS No. |
|---|---|---|
| Cadmium o-toluate | | 52337-78-7 |
| Cadmium bis(4-cyclohexylbutyrate) | | 55700-14-6 |
| Cadmium divalerate | | 56982-42-4 |
| Cadmium sulfoselenide red | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77202. | 58339-34-7 |
| Naphthenic acids, cadmium salts | | 61789-34-2 |
| Cadmium neodecanoate | | 61951-96-0 |
| Cadmium bis(heptadecanoate) | | 62149-56-8 |
| Cadmium pentadecanoate | | 63400-09-9 |
| (S)-dichloro[2-[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium | | 64681-08-9 |
| Cadmium isononanoate | | 84696-56-0 |
| Cadmium isooctadecanoate | | 84878-36-4 |
| Cadmium tert-decanoate | | 84878-37-5 |
| Cadmium bis(nonylphenolate) | | 84878-48-8 |
| Cadmium bis(octylphenolate) | | 84878-51-3 |
| Cadmium cyanide | | 542-83-6 |
| Cadmium di(acetate) | | 543-90-8 |
| Cadmium oxalate | | 814-88-0 |
| Cadmium dithiocyanate | | 865-38-3 |
| Cadmium succinate | | 141-00-4 |
| Dimethylcadmium | | 506-82-1 |
| Cadmium carbonate | | 513-78-0 |
| Barium cadmium tetrastearate | | 1191-79-3 |
| Cadmium oxide | | 1306-19-0 |
| Cadmium sulphide | | 1306-23-6 |
| Cadmium selenide | | 1306-24-7 |
| Cadmium telluride | | 1306-25-8 |
| Cadmium di(octanoate) | | 2191-10-8 |
| Cadmium distearate | | 2223-93-0 |
| Cadmium p-toluate | | 2420-97-5 |
| Cadmium bis(2-ethylhexanoate) | | 2420-98-6 |
| Cadmium dipalmitate | | 6427-86-7 |
| Cadmium dianthranilate | | 7058-55-1 |
| Cadmium | | 7440-43-9 |
| Cadmium chloride | | 10108-64-2 |
| Cadmium sulphate | | 10124-36-4 |
| Cadmium myristate | | 10196-67-5 |
| Cadmium nitrate | | 10325-94-7 |
| Cadmium dioleate | | 10468-30-1 |
| Cadmium selenide sulphide | | 11112-63-3 |
| Cadmium titanium trioxide | | 12014-14-1 |
| Tricadmium diphosphide | | 12014-28-7 |
| Antimony, compound with cadmium (2:3) | | 12014-29-8 |

| Substance name | Description | CAS No. |
|---|---|---|
| Cadmium bromide | | 7789-42-6 |
| Cadmium fluoride | | 7790-79-6 |
| Cadmium iodide | | 7790-80-9 |
| Cadmium iodate | | 7790-81-0 |
| Cadmium dinitrite | | 7790-83-2 |
| Cadmium wolframate | | 7790-85-4 |
| Cadmium zinc sulfide yellow | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77205. | 8048-07-5 |
| Cadmium dilaurate | | 2605-44-9 |
| Cadmium didecanoate | | 2847-16-7 |
| Cadmium bis[benzoate] | | 3026-22-0 |
| Cadmium 4-(1,1-dimethylethyl)benzoate | | 4167-05-9 |
| Cadmium cinnamate | | 4390-97-0 |
| Cadmium diformate | | 4464-23-7 |
| Cadmium sebacate | | 4476-04-4 |
| Cadmium nonan-1-oate | | 5112-16-3 |
| Cadmium zirconium trioxide | | 12139-23-0 |
| Pentacadmium chloridetriphosphate | | 12185-64-7 |
| Dicadmium niobate | | 12187-14-3 |
| Dicadmium selenide sulphide | | 12214-12-9 |
| Cadmium ditantalum hexaoxide | | 12292-07-8 |
| Cadmium zinc sulphide | | 12442-27-2 |
| Cadmium selenide sulfide | | 12626-36-7 |
| Cadmium sulfoselenide orange | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77202. | 12656-57-4 |
| Cadmium tetrafluoroborate | | 14486-19-2 |
| Bis(dibutyldithiocarbamato-S,S')cadmium | | 14566-86-0 |
| Bis(pentane-2,4-dionato-O,O')cadmium | | 14689-45-3 |
| Tris(ethylenediamine)cadmium dihydroxide | | 14874-24-9 |
| Cadmium diicosanoate | | 14923-81-0 |
| Cadmium bis(piperidine-1-carbodithioate) | | 14949-59-8 |
| Bis(dimethyldithiocarbamato-S,S')cadmium | | 14949-60-1 |
| Lauric acid, barium cadmium salt | | 15337-60-7 |
| Disodium tetrakis(cyano-C)cadmate(2-) | | 15682-87-8 |
| Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)] | | 18974-20-4 |
| Cadmium diphenolate | | 18991-05-4 |
| Cadmium bis(dipentyldithiocarbamate) | | 19010-65-2 |
| Cadmium disalicylate | | 19010-79-8 |
| Cadmium hydroxide | | 21041-95-2 |
| Cadmium methacrylate | | 24345-60-6 |
| Cadmium epoxyoctadecanoate | | 26264-48-2 |
| Cadmium toluate | | 27476-27-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-) | | 15708-29-9 |
| Cadmium acrylate | | 15743-19-8 |
| Cadmium tellurium trioxide | | 15851-44-2 |
| Cadmium tellurium tetraoxide | | 15852-14-9 |
| Cadmium dilactate | | 16039-55-7 |
| Cadmium divanadium hexoxide | | 16056-72-7 |
| 5-oxo-L-proline, cadmium salt | | 16105-06-9 |
| Cadmium propionate | | 16986-83-7 |
| Cadmium hexafluorosilicate(2-) | | 17010-21-8 |
| Tricadmium bis(phosphate) | | 13477-17-3 |
| Cadmium silicate | | 13477-19-5 |
| Cadmium sulphite | | 13477-23-1 |
| Diboron tricadmium hexaoxide | | 13701-66-1 |
| Dicadmium hexakis(cyano-C)ferrate(4-) | | 13755-33-4 |
| Cadmium selenite | | 13814-59-0 |
| Cadmium selenate | | 13814-62-5 |
| Cadmium diricinoleate | | 13832-25-2 |
| Cadmium orthophosphate | | 13847-17-1 |
| Cadmium molybdenum tetroxide | | 13972-68-4 |
| Cadmium disulphamate | | 14017-36-8 |
| Cadmium hydrogen phosphate | | 14067-62-0 |
| Cadmium bis(diethyldithiocarbamate) | | 14239-68-0 |
| Cadmium chromate | | 14312-00-6 |
| Cadmium dipotassium tetracyanide | | 14402-75-6 |
| [[N,N'-ethylenebis[glycinato]](2-)-N,N',O,O']cadmium | | 29977-13-7 |
| Cadmium isooctanoate | | 30304-32-6 |
| Cadmium dodecylbenzenesulphonate | | 31017-44-4 |
| Cadmium (1,1-dimethylethyl)benzoate | | 31215-94-8 |
| Cadmium [R-(R*,R*)]-tartrate | | 34100-40-8 |
| Cadmium didocosanoate | | 34303-23-6 |
| Cadmium 3,5,5-trimethylhexanoate | | 36211-44-6 |
| Cadmium(2+) (R)-12-hydroxyoctadecanoate | | 38517-19-0 |
| Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate(1-) | | 49784-42-1 |
| Bis(propane-1,2-diyldiamine-N,N')cadmium(2+) bis[bis(cyano-C)aurate(1-)] | | 67906-19-8 |
| Cadmium dilinoleate | | 67939-62-2 |
| Tetrapotassium [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,O,O'',O''']cadmate(6-) | | 67989-93-9 |
| Cadmium m-toluate | | 68092-45-5 |

| Substance name | Description | CAS No. |
|---|---|---|
| Fatty acids, C10-18, cadmium salts | | 68131-58-8 |
| Fatty acids, C12-18, cadmium salts | | 68131-59-9 |
| Benzyltriphenylphosphonium tetrachlorocadmate | | 68214-25-5 |
| Pentapotassium hydrogen [[[ethylenebis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)]cadmate(6-) | | 68309-98-8 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped | | 68332-81-0 |
| Fatty acids, C14-18, cadmium salts | | 68409-82-5 |
| Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-) | | 68966-97-2 |
| Cadmium, dross | A scum formed on the surface of molten cadmium. | 69011-69-4 |
| Wastewater, cadmium sulfate electrolytic, acid | Electrolytic solution from electrolysis of cadmium sulfate consisting primarily of cadmium sulfate and sulfuric acid. | 69012-21-1 |
| Flue dust, cadmium-refining | By-product of refining of cadmium consisting primarily of oxides and chlorides of cadmium, lead, arsenic and zinc. | 69012-57-3 |
| Calcines, cadmium residue | Product of the roasting of cadmium-enriched lead smelting dusts to remove cadmium. Consists primarily of oxides and sulfates of lead and zinc. | 69029-63-6 |
| Leach residues, cadmium-refining | Product of leaching calcine and sump tank mud from lead ore refining with sulfuric acid. Consists primarily of lead sulfate and cadmium arsenate. | 69029-70-5 |
| Residues, cadmium-refining | Product from the washing of sweeps and cleanings from a cadmium plant. Consists primarily of metallic cadmium and iron. | 69029-77-2 |
| Slimes and Sludges, cadmium-refining, oxidized | Product of adding oxidizer to solution in the cadmium plant. Consists primarily of hydroxides of cadmium, thallium and indium and cadmium arsenate. | 69029-90-9 |
| Slimes and Sludges, cadmium sump tank | Product of adding sodium carbonate to solutions in the cadmium plant. Consists primarily of cadmium carbonate with lesser amounts of carbonates and hydroxides of other nonferrous metals. | 69029-91-0 |
| Cadmium(2+) 12-hydroxyoctadecanoate | | 69121-20-6 |
| Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1) | | 69190-99-4 |
| Fatty acids, C12-18, barium cadmium salts | | 70084-75-2 |
| Cadmium selenide (CdSe), solid soln. with cadmium sulfide | | 71243-75-9 |
| (R)-12-hydroxyoleic acid, barium cadmium salt | | 71411-66-0 |

| Substance name | Description | CAS No. |
|---|---|---|
| Tetra-μ-chlorodichlorobis[2-[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]tricadmium, stereoisomer | | 71861-27-3 |
| Fatty acids, coco, cadmium salts | | 72869-63-7 |
| Zircon, cadmium yellow | | 72968-34-4 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and copper-doped | | 68512-51-6 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and silver-doped | | 68583-43-7 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, nickel and silver-doped | | 68583-44-8 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped | | 68583-45-9 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and silver-doped | | 68584-41-8 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped | | 68584-42-9 |
| Barium di-μ-chlorotetrachlorodicadmate(2-) | | 61129-40-6 |
| Cadmium mercury sulfide | | 1345-09-1 |
| Cadmium zinc sulfide | | 11129-14-9 |
| Tricadmium diarsenide | | 12006-15-4 |
| Dipotassium tetrachlorocadmate(2-) | | 20648-91-3 |
| Cadmium mercury telluride | | 29870-72-2 |
| Disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-) | | 35803-35-1 |
| Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']cadmate | | 49784-44-3 |
| Dihydrogen bis[hydroxysuccinato(2-)-O1,O2,O4]cadmate(2-) | | 71436-99-2 |
| Cadmium perchlorate (6Cl,7Cl) | | 13760-37-7 |
| Phosphoric acid, ammonium cadmium salt (1:1:1) | | 14520-70-8 |
| Cadmium diphosphate | | 15600-62-1 |
| D-Glucopyranose, 4-O-α-D-glucopyranosyl- | | 16984-36-4 |
| Octadecanoic acid, barium cadmium salt | | 17033-07-7 |
| Cadmium chlorate | | 22750-54-5 |
| Cadmium peroxide | | - |
| 2-Butenedioic acid (Z)-, monooctadecyl ester, cadmium salt | | 71599-06-9 |
| 22-Tricosenoic acid, cadmium salt | | 76835-97-7 |
| Tetracosanoic acid, cadmium salt | | 116854-17-2 |
| Tricosanoic acid, cadmium salt | | 116920-59-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Selenic acid, cadmium salt (1:1), dihydrate | | 10060-09-0 |
| Cesium sulfate cadmium | | 28041-77-2 |
| Cadmium chloride potassium hydrate | | 28302-54-7 |
| Potassium sulfate cadmium hexahydrate | | 30623-04-2 |
| Cadmium trichloride 1 sodium | | 55425-74-6 |
| Cadmium sulfate sodium | | 28038-18-8 |
| Potassium sulfate cadmium | | 28038-25-7 |
| Monoammonium cadmium triiodide | | 32593-99-0 |
| Cadmium sulfate caesium hexahydrate | | 34345-39-6 |
| Potassium sulfate cadmium dihydrate | | 38386-25-3 |
| Cadmium chloride magnesium dodecahydrate | | 77289-75-9 |
| Tetraiodide diammonium cadmium | | 105034-60-4 |
| Cadmium trichloride monopotassium | | 14429-85-7 |
| Cadmium potassium hexachloride | | 15276-40-1 |
| Cadmium bromide rubidium | | 16593-57-0 |
| Cadmium chloride rubidium | | 18532-58-6 |
| Cadmium sodium tetrachloride | | 21360-94-1 |
| Benzenediazonium, 4-(phenylamino)-, sulfate (1:1), polymer with formaldehyde, cadmium chloride complexes | | 68441-39-4 |
| Cadmium borate oxide (Cd3(BO2)4O), manganese-doped | | 68784-58-7 |
| Barium cadmium zinc sulfide (Ba2(Cd,Zn)S3), manganese-doped | | 68876-90-4 |
| Cadmium laurate, palmitate, stearate | | 68954-18-7 |
| Cadmium sponge | | 69011-70-7 |
| Slimes and Sludges, cadmium electrolytic | | 69029-89-6 |
| Cadmium chloride (CdCl2), tetrahydrate | | 70206-08-5 |
| Cadmium, dichlorotetrakis(1H-imidazole-kappaN3)- | | 72275-93-5 |
| Cadmium chloride dihydrate | | 72589-96-9 |
| Cadmium zinc sulfide ((Cd,Zn)S), cobalt and copper-doped | | 72869-26-2 |
| Nitric acid, cadmium salt, hydrate | | 79990-52-6 |
| Nitric acid, cadmium salt, dodecahydrate | | 85688-00-2 |
| Pentanoic acid, 2-propyl-, cadmium salt | | 87835-30-1 |
| Barium tetrachlorocadmate(2-) | | 99587-10-7 |
| Cadmium, (29H,31H-phthalocyaninato(2-)-kappaN29,kappaN30,kappaN31,kappaN32)-, (SP-4-1)- | | 21328-74-5 |
| Cadmium sulfate hydrate | | 15244-35-6 |
| Cadmium acetate hydrate | | 89759-80-8 |
| Cadmium bromide tetrahydrate | | 13464-92-1 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Cadmium perchlorate hydrate | | 79490-00-9 |
| Cadmium bromate | | 14518-94-6 |
| Zircon, cadmium red | | 72828-62-7 |
| Cadmium, diethyl- | | 592-02-9 |
| Cadmium selenide sulfide, (Cd2SeS) | | 12213-70-6 |
| Cadmium mesosulfate (CdH2SO5) (7CI) | | 13477-20-8 |
| Cadmium sulfate, tetrahydrate | | 13477-21-9 |
| Sulfuric acid, cadmium salt (1:1), heptahydrate | | 13477-22-0 |
| UNDECANSAEURE-CD-SALZ | | 17329-48-5 |
| Ammonium cadmium chloride (Ammonium cadmium trichloride) | | 18532-52-0 |
| Cadmium pyrophosphate | | 19262-93-2 |
| Cadmium sulfate octahydrate | | 22465-18-5 |
| Cadmium, chloro(1,10-phenanthroline-2-carboxylato)-, polymers | | 25685-75-0 |
| Cadmium hydroxide hydrate | | 29736-89-8 |
| Disodium ethylenediaminetetraacetate cadmium | | 30363-28-1 |
| Diphosphoric acid, barium cadmium salt (1:1:1) | | 37131-86-5 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper chloride-doped | | 68512-49-2 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and manganese-doped | | 68512-50-5 |
| Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141 | | 76253-60-6 |
| Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21 | | - |
| [No public or meaningful name is available] | | 99688-47-8 |
| Nickel and its compounds | | - |
| Nickel | | 7440-02-0 |
| Nickel compounds | | - |
| Copper, bis(8-quinolinolato-N1,O8)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2) | | 97660-42-9 |
| Speiss, lead, nickel-contg. | Product obtained and separated during the melting of nickel and other non-ferrous metals containing raw materials. Consists primarily of antimonides and arsenides of copper and nickel. | 98246-91-4 |
| Diammonium tetrachloronickelate(2-) | | 99587-11-8 |
| Cassiterite, cobalt manganese nickel grey | | 99749-23-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Bis[di(3,5,5-trimethylhexyl)dithiocarbamato-S,S']nickel | | 84604-95-5 |
| Fatty acids, C8-18 and C18-unsatd., nickel salts | | 84776-45-4 |
| (isooctanoato-O)(neodecanoato-O)nickel | | 84852-35-7 |
| (isodecanoato-O)(isononanoato-O)nickel | | 84852-36-8 |
| Nickel bis(isononanoate) | | 84852-37-9 |
| (2-ethylhexanoato-O)(isooctanoato-O)nickel | | 84852-38-0 |
| (2-ethylhexanoato-O)(isodecanoato-O)nickel | | 84852-39-1 |
| Bis(5-oxo-DL-prolinato-N1,O2)nickel | | 85026-81-9 |
| (2-ethylhexanoato-O)(neodecanoato-O)nickel | | 85135-77-9 |
| (isodecanoato-O)(isooctanoato-O)nickel | | 85166-19-4 |
| Bis[N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butyramidato-N2,N3]nickel | | 85269-39-2 |
| Nickel, 2,2'-thiobis[4-nonylphenol] complexes | | 85480-75-7 |
| (isodecanoato-O)(neodecanoato-O)nickel | | 85508-42-5 |
| Nickel(II) isodecanoate | | 85508-43-6 |
| Nickel(2+) neodecanoate | | 85508-44-7 |
| (2-ethylhexanoato-O)(isononanoato-O)nickel | | 85508-45-8 |
| (isononanoato-O)(isooctanoato-O)nickel | | 85508-46-9 |
| (isononanoato-O)(neodecanoato-O)nickel | | 85551-28-6 |
| Nickel, isodecanoate naphthenate complexes | | 85585-97-3 |
| Nickel, isononanoate naphthenate complexes | | 85585-98-4 |
| Nickel, naphthenate neodecanoate complexes | | 85585-99-5 |
| Bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel | | 85586-46-5 |
| [[3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoindol-1-ylidene](salicylic)hydrazidato(2-)]nickel | | 85958-80-1 |
| Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids complexes | | 90459-30-6 |
| Nickel, borate C8-10-branched carboxylate complexes | | 90459-31-7 |
| Nickel, C5-C23-branched carboxylate octanoate complexes | | 90459-32-8 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nickel, isooctanoate naphthenate complexes | | 90459-33-9 |
| Nickel, acetylacetone 6-methyl-2,4-heptanedione complexes | | 90459-34-0 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivs., sodium salts | | 90459-35-1 |
| Nickelate(4-), [bis[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonyl]-29H,31H-phthalocyaninedisulfonato(6-)-N29,N30,N31,N32]-, sodium | | 90459-36-2 |
| Waste solids, chromium-nickel steel manuf. | By-product from refined steel manufacture containing C, Cr, Fe and Ni (as Cr-Ni-grindings) and Cr2O3, FeO, MnO, NiO and SiO2 (as burned slag). | 91082-81-4 |
| Waste solids, nickel-manuf. | By-product from nickel production containing NiO, SiO2, CuO, and MnO and sulfur. | 91082-84-7 |
| Fatty acids, C6-19-branched, nickel salts | | 91697-41-5 |
| Nickel, C5-23-branched carboxylate naphthenate complexes | | 92200-98-1 |
| Nickel, C5-25-branched carboxylate naphthenate octanoate complexes | | 92200-99-2 |
| Nickel, borate neodecanoate complexes | | 92502-55-1 |
| Nickel, C5-23-branched carboxylate C4-10-fatty acids naphthenate complexes | | 93573-14-9 |
| Nickel, C4-10 fatty acids naphthenate complexes | | 93573-15-0 |
| Nickel, C4-10 fatty acids octanoate complexes | | 93573-16-1 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts, compds. with pyridine | | 93573-17-2 |
| Nickel, C5-23-branched carboxylate C4-10 fatty acids complexes | | 93762-59-5 |
| Nickel carbide (NiC) | | 12167-08-7 |
| Nickel sulfide (Ni2S3) | | 12259-56-2 |
| Carbamic acid, ethylenebis(dithio-, nickel(II) salt | | 12275-13-7 |
| Nickel, [carbonato(2-)]hexahydroxytetra- | | 12334-31-5 |
| Nickel oxide (Ni2O) | | 12359-17-0 |
| Nickel sulfide (Ni7S6) | | 12503-53-6 |
| Nickel arsenide | | 12795-30-1 |
| Rammelsbergite (NiAs2) | | 1303-22-6 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nitric acid, nickel(2+) salt, hydrate | | 13778-29-5 |
| Nickel chloride(NiCl) | | 13931-83-4 |
| Sulfuric acid, nickel(2+) salt (1:1), monohydrate | | 14168-76-4 |
| Nickelate(2-), tetracyano-, dipotassium, hydrate | | 14323-41-2 |
| Phosphoric acid, nickel salt | | 14396-43-1 |
| Nickel, bis(hexahydro-1H-azepine-1-carbodithioato-κS1,κS'1)-, (SP-4-1)- | | - |
| Octadecanoic acid, nickel salt | | 14448-69-2 |
| Nitric acid, nickel(3+) salt | | 15099-34-0 |
| Nickelate(1-), trichloro-, ammonium, hexahydrate | | 16122-03-5 |
| Nitric acid, nickel(2+) salt, tetrahydrate | | 16456-84-1 |
| Carbonic acid, nickel(2+) salt (1:1), hexahydrate | | 17030-82-9 |
| Carbonic acid, nickel(2+) salt (2:1) | | 17237-93-3 |
| Nickel chloride (NiCl2), dihydrate | | 17638-48-1 |
| NITROUS ACID, NICKEL (2+) SALT | | 17861-62-0 |
| Nitric acid, nickel(2+) salt, octahydrate | | 18534-07-1 |
| 1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1) | | 18824-79-8 |
| Nickel(2+), bis(1,2-propanediamine-κN1,κN2)-, bis(cyano-κC)aurate(1-) (1:2) | | 18972-69-5 |
| Aluminiummagnesiumnickelsiliziumoxide | | 198831-12-8 |
| Aluminum boron cobalt lithium nickel oxide | | 207803-51-8 |
| 2-[bis(carboxylatomethyl)amino]acetate;nickel(3+) | | 22965-60-2 |
| Nitric acid, nickel(2+) salt, dihydrate | | 23232-50-0 |
| Titanate(2-), hexafluoro-, nickel(2+), (1:1), (OC-6-11)- | | 34109-80-3 |
| Nickel chloride (NiCl2), tetrahydrate | | 34304-82-0 |
| Nickel, bis[(2-phenyldiazenecarbothioic acid-κS) 2-phenylhydrazidato-κN2]- | | - |
| Nickel dihydroxide hydrate | | 36897-37-7 |
| Nickel hydride | | 37187-84-1 |
| Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2) tetrahydrate | | 501953-51-1 |
| Nickel, bis[1-[4-(diethylamino)phenyl]-2-phenyl-1,2-ethenedithiolato(2-)-κS1,κS2]- | | - |
| Nickel(2++), hexaammine-, dihydroxide, (OC-6-11)- | | 51467-07-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nickel(1+), [1-[2-amino-4-(imino-κN)-5(4H)-thiazolylidene]-N-[1-[2-amino-4-(imino-κN)-5(4H)-thiazolylidene]-1H-isoindol-3-yl-κN]-1H-isoindol-3-aminato-κN2]-, chloride (1:1) | | 53199-85-2 |
| Antimony nickel titanium oxide | | 54576-53-3 |
| Dibromobis(tributylphosphine)nickel(II) | | 15242-92-9 |
| Dichlorobis(trimethylphosphine)nickel(II) | | 19232-05-4 |
| Nickel, tetrakis(triphenyl phosphite-.kappa.p)-, (t-4)- | | 14221-00-2 |
| N,N'-Bis(salicylidene)ethylenediaminonickel(II) | | 14167-20-5 |
| Tetraethylammonium tetrachloronickelate(II) | | 5964-71-6 |
| Bis(tricyclohexylphosphine)nickel(II) Dichloride | | 19999-87-2 |
| Dichlorobis(tributylphosphine)nickel(II) | | 15274-43-8 |
| Nickel(II) bromide 2-methoxyethyl ether complex | | 312696-09-6 |
| Tetrakis(triphenylphosphine)nickel(0) | | 15133-82-1 |
| dichloronickel;1,2-dimethoxyethane | | 29046-78-4 |
| Nickel(II) bromide ethylene glycol dimethyl ether complex | | 28923-39-9 |
| 1000 NN Ferrite | | 12645-50-0 |
| 1,2-Bis(diphenylphosphino)ethane nickel(II) chloride | | 14647-23-5 |
| Nickel(II) sulfate hexa-/ heptahydrate | | 15244-37-8 |
| Nickel(II) 1,4,8,11,14,18,22,25-octa-n-butoxy-29H,31H-phthalocyanine | | 155773-71-0 |
| Nickel carbide | | 12710-36-0 |
| Nickel carbonate hydroxide tetrahydrate | | 39430-27-8 |
| NICKEL(II) TRIFLUOROMETHANESULFONATE | | 60871-84-3 |
| Nickel(II) tetrafluoroborate hexahydrate | | 15684-36-3 |
| Tetrabutylammonium Bis(1,3-dithiole-2-thione-4,5-dithiolato)nickel(III) Complex | | 68401-87-6 |
| Nickel(II) bromide trihydrate | | 7789-49-3 |
| Perchloric acid, nickel(2+) salt, hexahydrate | | 13520-61-1 |
| Nickel(II) chloride hydrate | | 69098-15-3 |
| [[]N-[[]alpha-[[]2-(Piperidinoacetamido)phenyl]benzylidene]glycinato]nickel | | 847654-17-5 |
| [[]1,3-Bis(2,6-diisopropylphenyl)imidazol-2-ylidene]triphenylphosphine Nickel(II) Dichloride | | 903592-98-3 |
| Ethylenediaminetetraacetic Acid Disodium Nickel(II) Salt Hydrate | | 11079-07-5 |

| Substance name | Description | CAS No. |
|---|---|---|
| Dipotassium tetracyanonickelate hydrate | | 339527-86-5 |
| Nickel ammonium sulfate hexahydrate | | 7785-20-8 |
| Nickel sulfamate tetrahydrate | | 124594-15-6 |
| Nickel(II) carbonate hydroxide tetrahydrate | | 12244-51-8 |
| Nickel sulfide (NiS2) | | 12035-51-7 |
| azanide;nickel(2+);carbonate | | 67806-76-2 |
| disodium;2-[[]2-[[]bis(carboxylatomethyl)amino]ethyl-(carboxylatomethyl)amino]acetate;nickel(2+) | | 15708-55-1 |
| Lithium Nickel Cobalt Aluminium Oxide | | 193214-24-3 |
| Trinickel phosphide | | 12059-19-7 |
| Nickel, aqua[2-[2-[4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]diazenyl-κN1]benzoato(2-)-κO]- | | 106316-55-6 |
| Nickel(2+), hexakis(1H-imidazole-κN3)-, (OC-6-11)-, 1,2-benzenedicarboxylate (1:1) | | 108818-89-9 |
| Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., potassium sodium salts | | 113894-88-5 |
| Nickelate(6-), [4-[2-[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl]diazenyl]-4,5-dihydro-5-oxo-1-[5-[[(C,C,C-trisulfo-29H,31H-phthalocyanin-C-yl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-κN29,κN30,κN31,κN32]-, sodium | | 113894-89-6 |
| Nickel disulfide | | 12035-50-6 |
| Nickel silicide (NiSi) | | 12035-57-3 |
| Nickel Sulfide (Ni9S8) | | 12035-77-7 |
| Polydymite (Ni3S4) | | 12059-21-1 |
| Nickel Black | | 12125-56-3 |
| Nickel sulfide (Ni2S) | | 12137-08-5 |
| Nickel oxide (Ni3O4) | | 12137-09-6 |
| Nickel Sulfide (Ni5S3) | | 97599-06-9 |
| Nickel Sulfide (Ni5S4) | | 97599-07-0 |
| Nickel Sulfide (Ni5S6) | | 97599-08-1 |
| Nickel Sulfide (Ni9S5) | | 98443-26-6 |
| Nickelate(1-), (formato-O)[sulfato(2-)-O]-, hydrogen | | 125275-86-7 |
| Nickelate(1-), (acetato-O)[sulfato(2-)-O]-, hydrogen | | 125275-87-8 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nickelate(1-), [3-hydroxy-4-[(4-methyl-3-sulfophenyl)azo]-2-naphthalenecarboxylato(3-)]-, hydrogen | | 125378-87-2 |
| Nickel sulfide (Ni(HS)2) | | 27911-69-9 |
| Nickel, tris(neodecanoato-.kappa.O)[.mu.3-[orthoborato(3-)-.kappa.O:.kappa.O':.kappa.O'']]tri- | | 936576-64-6 |
| Nickel carbonate hydroxide (Ni5(CO3)2(OH)6) | | 12122-15-5 |
| Nickel arsenide sulfide | | 12255-10-6 |
| Nickel selenide (Ni3Se2) | | 12137-13-2 |
| Ammonium nickel sulfate ((NH4)2Ni2(SO4)3) (6Cl,7Cl) | | 25749-08-0 |
| Nickel tartrate | | 10471-42-8 |
| Perchloric acid, nickel salt | | 41743-88-8 |
| Nickelate(Ni4O5)(1-), lithium | | 67163-62-6 |
| Nickel(2+) hydrogen sulfate | | 44121-71-3 |
| Nickel subarsenide | | 12255-80-0 |
| Acetohydroxamic acid, N-fluoren-2-yl-, nickel(2+) complex | | 14751-76-9 |
| Cinnamic acid, nickel(II) salt | | 63938-16-9 |
| Nickelate(2-), tetrakis(cyano-C)-, (SP-4-1)- | | 48042-08-6 |
| Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt (2:1) | | 55868-93-4 |
| Sulfuric acid, nickel(2+) salt (1:1), tetrahydrate | | 61092-77-1 |
| Sulfuric acid, nickel(2+) salt (1:1), pentahydrate | | 66341-42-2 |
| Sulfuric acid, nickel(2+) salt (1:1), dihydrate | | 66634-47-7 |
| Godlevskite (Ni7S6) | | 66732-80-7 |
| Nickel Sulfide (Ni4S) | | 67272-59-7 |
| Nickel(2+), ((1,1'-biphenyl)-4,4'-diamine-N)- | | 67632-50-2 |
| Nickel, bis[[2-(hydroxy-κO)-4-octylphenyl]phenylmethanonato-κO]- | | 68189-15-1 |
| Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, [(3-aminophenyl)amino]sulfonyl sulfo derivs. | | 68412-19-1 |
| Nickel, dextrin complexes | | 68412-20-4 |
| Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and nickel oxide (NiO) | | 68585-48-8 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nickelate(4-), [22-[[(4-sulfophenyl)amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(6-)-κN29,κN30,κN31,κN32]-, hydrogen (1:4), (SP-4-2)- | | 70729-79-2 |
| Nickel, (2-ethylhexanoato-κO)(2,2,2-trifluoroacetato-κO)- | | - |
| Acetic acid, nickel(2+) salt (2:1), polymer with formaldehyde and 4-(1,1,3,3-tetramethylbutyl)phenol | | 71050-57-2 |
| Nickel, [[2,2'-[methylenebis(thio-κS)]bis[acetato-κO]](2-)]- | | 71215-73-1 |
| Nickel(2+), tris(1,2-ethanediamine-κN,κN')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2) | | 71215-97-9 |
| Nickel(2+), bis(1,2-ethanediamine-κN,κN')-, salt with dimethylbenzenesulfonic acid (1:2) | | 71215-98-0 |
| Nickel, bis[N-hydroxy-3-(hydroxyimino-κN)-N'-(2-methoxyphenyl)butanimidamidato-κN']- | | 71605-83-9 |
| Nickel, [N-(4-chlorophenyl)-3-[2-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]methylene]hydrazinylidene-κN2]-α-cyano-1H-isoindole-3-acetamidato(2-)-κN2,κO3]- | | - |
| Sulfuric acid, nickel salt (1:?), reaction products with sulfurized phenol calcium salt (2:1) | | 72162-32-4 |
| Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamidato(2-)-κN29,κN30,κN31,κN32]- | | 72252-57-4 |
| Nickelate(6-), [C-[[[3-[2-[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]diazenyl]-4-sulfophenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-κN29,κN30, | | 72453-55-5 |
| Nickel, bis[[didecyl (1,2-dicyano-1,2-ethenediyl)bis[carbamato]](2-)]- | | 77245-35-3 |
| Aluminum, triethyl-, reaction products with nickel(2+) 2-ethylhexanoate (1:2) | | 79357-65-6 |
| Nickel, bis[(cyano-κC)triphenylborato(1-)-κN]bis(hexanedinitrile-κN,κN')- | | 83864-02-2 |
| Nickel Sulfide (Ni7S3) | | 84013-51-4 |

| Substance name | Description | CAS No. |
|---|---|---|
| Sulfuric acid, nickel(2+) salt (1:1), trihydrate | | 85017-75-0 |
| Nickel, bis(diisononylcarbamodithioato-S,S')- | | 85298-61-9 |
| Nickel Sulfide (Ni3S5), trihydrate | | 86498-45-5 |
| Phosphoric acid,compounds,nickel(2+) zinc salt (2:1:2) | | 90053-13-7 |
| Fatty acids, (C=3-22), nickel salts, basic | | 91845-72-6 |
| [μ-[carbonato(2-)-O:O']]dihydroxydinickel | | 65405-96-1 |
| Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexasodium | | 93891-86-2 |
| (neononanoato-O)(neoundecanoato-O)nickel | | 93920-08-2 |
| Nickel(2+) neoundecanoate | | 93920-09-3 |
| Nickel(2+) neononanoate | | 93920-10-6 |
| Tetrasodium [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-) | | 93939-76-5 |
| Dimethylhexanoic acid, nickel salt | | 93983-68-7 |
| Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate] | | 94232-44-7 |
| Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate] | | 94232-84-5 |
| Residues, copper-iron-lead-nickel matte, sulfuric acid-insol. | | 102110-49-6 |
| [2,2'-[1,2-phenylenebis(nitrilomethylidyne)]-bis(phenolato)]-N,N',O,O'-nickel(II) | BRUN JAUNE ESTOFIL S-3RL; BRUNO GIALLO ESTOFIL S-3RL | 14406-71-4 |
| Tetrasodium (c-(3-(1-(3-(e-6-dichloro-5-cyanopyrimidin-f-yl(methyl)amino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenylsulfamoyl)phthalocyanine-a,b,d-trisulfonato(6-))nickelato II, where a is 1 or 2 or 3 or 4,b is 8 or 9 or 10 or 11,c is 15 or 16 or 17 or 18, d is 22 or 23 or 24 or 25 and where e and f together are 2 and 4 or 4and 2 respectively | BRILLANTGREEN K-RWA 6083; BRILLIANT GREEN K-RWA 6083 | 148732-74-5 |

| Substance name | Description | CAS No. |
|---|---|---|
| Hexasodium (di-[N-(3-(4-[5-(5-amino-3-methyl-1-phenylpyrazol-4-yl-azo)-2,4-disulfo-anilino]-6-chloro-1,3,5-triazin-2-ylamino)phenyl)-sulfamoyl](di-sulfo)-phthalocyaninato)nickel | PROCION EMERALD H-EXL COLOUR; SUBSTANCE S156718 | 151436-99-6 |
| Nickel, 5-[2-(2-hydroxy-3,7-disulfo-1-naphthalenyl)diazenyl]-1H-1,2,4-triazole-3-carboxylate sodium complexes | | 738587-10-5 |
| Nickel alloy, base, Ni 54.0-57.0,Ti 43-46,C 0-0.07,Co 0-0.05,Fe 0-0.05,O 0-0.05,Nb 0-0.025,Cr 0-0.01,Cu 0-0.01,H 0-0.005 (UNS N01555) | | 52013-44-2 |
| Nickel fluoride (NiF2), tetrahydrate | | 13940-83-5 |
| Nickel, [[]29H,31H-phthalocyaninato(2-)-[?]N29,[?]N30,[?]N31,[?]N32]-, [[][[]3-[[](5-chloro-6-fluoro-4-pyrimidinyl)amino]phenyl]amino]sulfonyl sulfo derivs., sodium salts | | 134737-17-0 |
| Nickel, [[]6,8,16,18-tetrachloro-1,11-bis(2-furanylmethyl)-1,10,11,20-tetrahydrodibenzo[[]c,j]dipyrazolo[[]3,4-f:3',4'-m][[]1,2,5,8,9,12]hexaazacyclotetradecinato(2-)-N5,N10,N15,N20]- | | 79745-01-0 |
| Nickel hydride (NiH) | | 14332-32-2 |
| cobalt lithium manganese nickel oxide | | 346417-97-8 |
| Nickel, [[]29H,31H-phthalocyaninato(2-)-[?]N29,[?]N30,[?]N31,[?]N32]-, sulfo [[][[]4-[[][[]2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., sodium salts | | 131866-99-4 |
| Phosphinic acid, nickel(2+) salt, hexahydrate | | 13477-97-9 |
| Nickel, dichloro[[]1,1'-(1,3-propanediyl)bis[[]1,1-diphenylphosphine-[?]P]]- | | 15629-92-2 |
| bunsenite | | 34492-97-2 |
| millerite | | 1314-04-1 |
| nickel dilactate | | 16039-61-5 |
| nickel potassium fluoride | | 11132-10-8 |
| phosphoric acid, calcium nickel salt | | 17169-61-8 |
| diphosphoric acid, nickel(II) salt | | 19372-20-4 |
| diammonium nickel hexacyanoferrate | | 74195-78-1 |
| trinickel tetrasulfide | | 12137-12-1 |
| trinickel bis(arsenite) | | 74646-29-0 |
| cobalt nickel oxide | | 12737-30-3 |
| silicic acid, lead nickel salt | | 68130-19-8 |
| 2,7-naphthalenedisulfonic acid, nickel(II) salt | | 72319-19-8 |

| Substance name | Description | CAS No. |
|---|---|---|
| nickel boron phosphide | | 65229-23-4 |
| lithium nickel dioxide | | 12031-65-1 |
| molybdenum nickel oxide | | 12673-58-4 |
| Hexaamminenickel(II) chloride | | 10534-88-0 |
| Nickel methacrylate | | 94275-78-2 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium salts | | 94891-42-6 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, sodium salts | | 94891-43-7 |
| Spinels, cobalt nickel zinc grey | | 95046-47-2 |
| Tetrasodium [bis[[[4-[[2-(sulphooxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninedisulphonato(6)-N29,N30,N31,N32]nickelate(4-) | | 97280-68-7 |
| [[N,N',N''-[29H,31H-phthalocyaninetriyltris(sulphonylimino-3,1-phenylene)]tris[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel | | 97404-21-2 |
| [[N,N',N'',N'''-[29H,31H-phthalocyaninetetrayltetrakis(sulphonylimino-3,1-phenylene)]tetrakis[3-oxobutyramidato]](2-)-N29,N30,N31,N32]nickel | | 97404-22-3 |
| Diiron nickel zinc tetraoxide | | 97435-21-7 |
| Nickel di(acetate) | | 373-02-4 |
| Nickel oxalate | | 547-67-1 |
| Nickel dibenzoate | | 553-71-9 |
| Nickel dicyanide | | 557-19-7 |
| 2-ethylhexanoic acid, nickel salt | | 7580-31-6 |
| Nickel dichloride | | 7718-54-9 |
| Nickel(2+) sulphite | | 7757-95-1 |
| Nickel sulphate | | 7786-81-4 |
| Antimony nickel titanium oxide yellow | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77788. | 8007-18-9 |
| Nickel difluoride | | 10028-18-9 |
| Nickel(2+) selenite | | 10101-96-9 |
| Trinickel bis(orthophosphate) | | 10381-36-9 |
| Aluminium, compound with nickel (1:1) | | 12003-78-0 |
| Dialuminium nickel tetraoxide | | 12004-35-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nickel boride | | 12007-00-0 |
| Dinickel boride | | 12007-01-1 |
| Trinickel boride | | 12007-02-2 |
| Dichromium nickel tetraoxide | | 12018-18-7 |
| Nickel, compound with niobium (1:1) | | 12034-55-8 |
| Nickel dioxide | | 12035-36-8 |
| Nickel tin trioxide | | 12035-38-0 |
| Nickel titanium trioxide | | 12035-39-1 |
| Antimony, compound with nickel (1:1) | | 12035-52-8 |
| Dinickel phosphide | | 12035-64-2 |
| Trinickel disulphide | | 12035-72-2 |
| Nickel dihydroxide | | 12054-48-7 |
| Dinickel silicide | | 12059-14-2 |
| Nickel, compound with tin (3:1) | | 12059-23-3 |
| Nickel diarsenide | | 12068-61-0 |
| Bis(η5-2,4-cyclopentadien-1-yl)nickel | | 1271-28-9 |
| Bis(1,5-cyclooctadiene)nickel | | 1295-35-8 |
| Nickel monoxide | | 1313-99-1 |
| Nickel selenide | | 1314-05-2 |
| Dinickel trioxide | | 1314-06-3 |
| Nickel(2+) stearate | | 2223-95-2 |
| Bis(pentane-2,4-dionato-O,O')nickel | | 3264-82-2 |
| Nickel carbonate | | 3333-67-3 |
| Nickel diformate | | 3349-06-2 |
| Nickel(2+) propionate | | 3349-08-4 |
| Nickel bis(4-cyclohexylbutyrate) | | 3906-55-6 |
| Nickel bis(2-ethylhexanoate) | | 4454-16-4 |
| Nickel(2+) octanoate | | 4995-91-9 |
| Trinickel dicitrate | | 6018-92-4 |
| Nickel(II) fumarate | | 6283-67-6 |
| Dinickel diphosphate | | 14448-18-1 |
| Nickel bis(phosphinate) | | 14507-36-9 |
| (butylamine)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]nickel | | 14516-71-3 |
| Bis(6-methylheptane-2,4-dionato-O,O')nickel | | 14522-99-7 |
| Nickel dibromate | | 14550-87-9 |
| Nickel bis(tetrafluoroborate) | | 14708-14-6 |
| Nickel chromate | | 14721-18-7 |
| Dinickel hexacyanoferrate | | 14874-78-3 |
| Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel | | 14949-69-0 |
| Nickel acetate | | 14998-37-9 |
| Nickel selenate | | 15060-62-5 |
| Bis(diisobutyldithiocarbamato)nickel | | 15317-78-9 |

| Substance name | Description | CAS No. |
|---|---|---|
| Nickel bis(dimethyldithiocarbamate) | | 15521-65-0 |
| Nickel dichromate | | 15586-38-6 |
| Diammonium nickel bis(sulphate) | | 15699-18-0 |
| Citric acid , ammonium nickel salt | | 18283-82-4 |
| Nickel bis(dihydrogen phosphate) | | 18718-11-1 |
| Nickel(2+) hydrogen citrate | | 18721-51-2 |
| [[1,1'-[1,2-phenylenebis(nitrilomethylidyne)]bis[2-naphtholato]](2-)-N,N',O,O']nickel | | 20437-10-9 |
| Oxalic acid, nickel salt | | 20543-06-0 |
| Bis(ethane-1,2-diamine)nickel(2+) sulphate | | 21264-77-7 |
| Nickel(2+) silicate | | 21784-78-1 |
| [μ-[[1,1',1'',1'''-[benzene-1,2,4,5-tetrayltetrakis(nitromethylidyne)]naphth-2-olato](4-)]]dinickel | | 22484-07-7 |
| Citric acid, nickel salt | | 22605-92-1 |
| Ammonium nickel trichloride | | 24640-21-9 |
| Dihydrogen [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']nickelate(2-) | | 25481-21-4 |
| Nickel hexafluorosilicate | | 26043-11-8 |
| Nickel arsenide | | 27016-75-7 |
| Hexakis(1H-imidazole-N3)nickel(2+) dichloride | | 15751-00-5 |
| Nickel triuranium decaoxide | | 15780-33-3 |
| Formic acid, nickel salt | | 15843-02-4 |
| Bis[2-hydroxy-4-(octyloxy)benzophenonato]nickel | | 15843-91-1 |
| Nickel tellurium trioxide | | 15851-52-2 |
| Nickel tellurium tetraoxide | | 15852-21-8 |
| Nickel(2+) trifluoroacetate | | 16083-14-0 |
| [[2,2'-sulphonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O1,O1',O2]nickel | | 16432-37-4 |
| Nickel sulphide | | 16812-54-7 |
| Nickel telluride | | 12142-88-0 |
| Nickel, compound with zirconium (1:2) | | 12142-92-6 |
| Diiron nickel tetraoxide | | 12168-54-6 |
| Di-μ-carbonylbis(η5-2,4-cyclopentadien-1-yl)dinickel | | 12170-92-2 |
| Dysprosium, compound with nickel (1:2) | | 12175-27-8 |
| Lanthanum, compound with nickel (1:5) | | 12196-72-4 |
| Nickel disilicide | | 12201-89-7 |
| Trinickel bis[tetracosa-μ-oxododecaoxo[μ12-[phosphato(3-)-O:O:O:O':O':O':O'':O'':O''':O''':O''']]dodecamolybdate(3-)] | | 12263-13-7 |

| Substance name | Description | CAS No. |
|---|---|---|
| Antimony, compound with nickel (1:3) | | 12503-49-0 |
| Trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-) | | 12519-85-6 |
| [carbonato(2-)]tetrahydroxytrinickel | | 12607-70-4 |
| Nickel titanium oxide | | 12653-76-8 |
| Bismuth, compound with nickel (1:1) | | 12688-64-1 |
| Bis(1-nitroso-2-naphtholato)nickel | | 12794-26-2 |
| Nickel(2+) oleate | | 13001-15-5 |
| Dicarbonylbis(triphenylphosphine)nickel | | 13007-90-4 |
| Nickel dinitrate | | 13138-45-9 |
| Nickel dibromide | | 13462-88-9 |
| Nickel diiodide | | 13462-90-3 |
| Tetracarbonylnickel | | 13463-39-3 |
| Trinickel bis(arsenate) | | 13477-70-8 |
| Bis(butanedione dioximato)nickel | | 13478-93-8 |
| Nickel diperchlorate | | 13637-71-3 |
| Nickel(2+) palmitate | | 13654-40-5 |
| Nickel dithiocyanate | | 13689-92-4 |
| Nickel bis(sulphamidate) | | 13770-89-3 |
| Dinickel orthosilicate | | 13775-54-7 |
| Nickel dipotassium bis(sulphate) | | 13842-46-1 |
| Dipotassium tetrafluoronickelate(2-) | | 13859-60-4 |
| Tetrakis(trifluorophosphine)nickel | | 13859-65-9 |
| [N-(carboxymethyl)glycinato(2-)-N,O,ON]nickel | | 13869-33-5 |
| Hexaamminenickel(2+) bis[tetrafluoroborate(1-)] | | 13877-20-8 |
| Nickel bis(dibutyldithiocarbamate) | | 13927-77-0 |
| Disodium tetracyanonickelate(2-) | | 14038-85-8 |
| [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel | | 14055-02-8 |
| Bis(quinolin-8-olato-N1,O8)nickel | | 14100-15-3 |
| Nickel tungsten tetraoxide | | 14177-51-6 |
| Molybdenum nickel tetraoxide | | 14177-55-0 |
| Nitric acid, nickel salt | | 14216-75-2 |
| Dipotassium tetracyanoniccolate | | 14220-17-8 |
| Bis(triphenylphosphine)nickel(II) chloride | | 14264-16-5 |
| Bis(diethyldithiocarbamato-S,S')nickel | | 14267-17-5 |
| Nickel hydrogen phosphate | | 14332-34-4 |
| Bis(1-nitrosonaphthalen-2-olato-N1,O2)nickel | | 14406-66-7 |
| Bis[bis(2-ethylhexyl)dithiocarbamato-S,S']nickel | | 14428-08-1 |
| (propan-2-ol)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]nickel | | 67763-27-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Potassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']nickelate(1-) | | 67906-12-1 |
| Nickel(2+) dihydrogen bis[R-(R*,R*)]-tartrate | | 67952-41-4 |
| Nickel dichlorate | | 67952-43-6 |
| Nickel(2+) glycerol phosphate | | 67952-69-6 |
| Triammonium hydrogen [[[nitrilotris(methylene)]tris[phosphonato]](6-)]nickelate(4-) | | 67968-22-3 |
| Cobalt dimolybdenum nickel octaoxide | | 68016-03-5 |
| Diammonium nickel bis(hydrogen citrate) | | 68025-13-8 |
| Triammonium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-) | | 68025-40-1 |
| Trisodium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-) | | 68025-41-2 |
| Tetrasodium [[[nitrilotris(methylene)]tris[phosphonato]](6-)-N,O,O'',O'''nickelate(4-)] | | 68052-00-6 |
| Molybdenum nickel hydroxide oxide phosphate | | 68130-36-9 |
| [(2-amino-2-oxoethoxy)acetato(2-)]nickel | | 68133-84-6 |
| Formic acid, copper nickel salt | | 68134-59-8 |
| Cobalt titanite green spinel | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77377. | 68186-85-6 |
| Cobalt nickel gray periclase | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77332. | 68186-89-0 |
| Nickel ferrite brown spinel | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77497. | 68187-10-0 |
| Tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)nickel(2+) bis[tetrafluoroborate(1-)] | | 68309-97-7 |
| Resin acids and Rosin acids, nickel salts | | 68334-36-1 |
| 2,3-dihydroxypropyl (dihydrogen phosphate), nickel salt (1:1) | | 68391-37-7 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs. | | 68412-18-0 |
| Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes | | 68511-62-6 |
| Zinc sulfide (ZnS), nickel and silver-doped | | 68512-22-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| Olivine, nickel green | An inorganic pigment that is the reaction product of high temperature calcination in which nickel (II) oxide and silicon oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of olivine. Its composition may include any one or a combination of the modifiers alkali or alkaline earth halides. | 68515-84-4 |
| Zinc sulfide (ZnS), copper and nickel-doped | | 68585-93-3 |
| Resin acids and Rosin acids, calcium nickel salts | | 68607-31-8 |
| Nickel barium titanium primrose priderite | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77900. | 68610-24-2 |
| Nickel niobium titanium yellow rutile | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77895. | 68611-43-8 |
| Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexahydrogen | | 68698-80-6 |
| Hexaamminenickel(2+) diformate | | 68758-60-1 |
| Zinc sulfide (ZnS), copper and nickel and silver-doped | | 68784-84-9 |
| Bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)nickel | | 68912-08-3 |
| Pentaammonium hydrogen [[[ethylenebis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)]nickelate(6-) | | 68958-86-1 |
| Hydrogen pentapotassium [[[ethylenebis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)]nickelate(6-) | | 68958-87-2 |
| Hydrogen pentasodium [[[ethylenebis[nitrilobis(methylene)]]tetrakis[phosphonato]](8-)]nickelate(6-) | | 68958-88-3 |
| Bis(ethane-1,2-diamine-N,N')nickel(2+) bis[bis(cyano-C)aurate(1-)] | | 68958-89-4 |
| Nickel icosatitanium pentatriacontaoxide diwolframate | | 69011-05-8 |
| Slags, ferronickel-manufg. | By-product from the production of ferronickel from a complex ore. Consists primarily of oxides of aluminum, iron, magnesium and silicon. | 69012-29-9 |
| Matte, nickel | Product of blowing smelted nickel ore in a converter to lower the iron content. | 69012-50-6 |
| Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')nickel | | 69524-96-5 |
| Nickel zirconium trioxide | | 70692-93-2 |
| Bis(5-oxo-L-prolinato-N1,O2)nickel | | 70824-02-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| Bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximato-N2,O1)nickel | | 70833-37-3 |
| Trisodium [22-[[[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulphonyl]-29H,31H-phthalocyanine-1,8,15-trisulphonato(5-)-N29,N30,N31,N32]nickelate(3-) | | 71243-96-4 |
| Nickel iron chromite black spinel | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77504. | 71631-15-7 |
| Ethyl hydrogen sulphate, nickel(2+) salt | | 71720-48-4 |
| Nickel uranyl tetraacetate, of uranium depleted in uranium-235 | | 71767-12-9 |
| [μ-(piperazine-N1:N4)]bis[3-[1-[(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl)hydrazono]ethyl]quinoline-2,4(1H,3H)-dionato(2-)]dinickel | | 71889-22-0 |
| Bis(D-gluconato-O1,O2)nickel | | 71957-07-8 |
| Dihydrogen hexasodium bis[3-[(2-amino-8-hydroxy-6-sulpho-1-naphthyl)azo]-2-hydroxy-5-sulphobenzoato(5-)]nickelate(8-) | | 72139-08-3 |
| Nickelate(6-), [22-[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulfophenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(8-)-N29,N30,N31,N32]-, hexasodium, (SP-4-2)- | | 72152-45-5 |
| Trisodium [[[[3-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]phenyl]amino]sulphonyl]tris(aminosulphonyl)-29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]nickelate(3-) | | 72229-81-3 |
| Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[(1,3-dioxobutyl)amino]phenyl]amino]sulfonyl derivs. | | 72828-53-6 |
| [N,N',N'',N'''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyaninetetrasulphonamidato(2-)-N29,N30,N31,N32]nickel | | 72986-45-9 |
| Antimony oxide (Sb2O3), solid soln. with nickel oxide (NiO) and titanium oxide (TiO2) | | 73892-02-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| Bis[N-(2-hydroxyethyl)-N-methylglycinato-N,O,ON]nickel | | 76625-10-0 |
| Tetrahydrogen [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-) | | 79102-62-8 |
| Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadispiro[5.1.11.2]henicosan-21-one-O21)nickel | | 79121-51-0 |
| Trisodium [5-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-3-[(2-hydroxy-3-nitro-5-sulphophenyl)azo]naphthalene-2,7-disulphonato(5-)]nickelate(3-) | | 79817-91-7 |
| Dimethoxy[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel | | 83898-70-8 |
| 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. | 84144-92-3 |
| [[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]nickel | | 27574-34-1 |
| Nickel isooctanoate | | 27637-46-3 |
| [29H,31H-phthalocyaninetetrasulphonyl tetrachloridato(2)-N29,N30,N31,N32 ]nickel | | 28680-76-4 |
| Bis[stilbene-α,β-dithiolato(2-)]nickel | | 28984-20-5 |
| Bis[2,3-bis(hydroxyimino)-N-phenylbutyramidato-N2,N3]nickel | | 29204-84-0 |
| Nickel(II) isooctanoate | | 29317-63-3 |
| Nickel hexafluorozirconate(2-) | | 30868-55-4 |
| Nickel(2+) diethyl bis[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]phosphonate] | | 30947-30-9 |
| Nickel silicate(3:4) | | 31748-25-1 |
| [[2,2'-thiobis[3-octylphenolato]](2-)-O,O',S]nickel | | 33882-09-6 |
| Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']nickelate(1-) | | 34831-03-3 |
| Tetrakis(tritolyl phosphite )nickel | | 35884-66-3 |
| Nickel bisphosphinate | | 36026-88-7 |
| Bis(dipentyldithiocarbamato-S,S')nickel | | 36259-37-7 |
| Nickel chloride | | 37211-05-5 |
| Silicic acid, nickel salt | | 37321-15-6 |

| Substance name | Description | CAS No. |
|---|---|---|
| Bis[1-[4-(dimethylamino)phenyl]-2-phenylethylene-1,2-dithiolato(2-)-S,S']nickel | | 38465-55-3 |
| Tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)nickel(2+) dinitrate | | 38780-90-4 |
| Bis[2-butene-2,3-dithiolato(2-)-S,S']nickel | | 38951-94-9 |
| Bis[4,4'-dimethoxy-α,α'-stilbenedithiolato(2-)]nickel | | 38951-97-2 |
| Dipotassium tris(cyano-C)nickelate(2-) | | 39049-81-5 |
| Nickel bis(benzenesulphonate) | | 39819-65-3 |
| Nickel bis(piperidine-1-carbodithioate) | | 41476-75-9 |
| Bis[2,3-bis(hydroxyimino)-N-(2-methoxyphenyl)butyramidato]nickel | | 42739-61-7 |
| [1,3-dihydro-5,6-bis[[(2-hydroxy-1-naphthyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-N5,N6,O5,O6]nickel | | 42844-93-9 |
| [[2,2'-(4,8-dichlorobenzo[1,2-d:4,5-d']bisoxazole-2,6-diyl)bis[4,6-dichlorophenolato]](2-)]nickel | | 47726-62-5 |
| Nickel acrylate | | 51222-18-5 |
| Neodecanoic acid, nickel salt | | 51818-56-5 |
| Copper, compound with lanthanum and nickel (4:1:1) | | 51912-52-8 |
| Bis[3-[(4-chlorophenyl)azo]quinoline--2,4(1H,3H)-dionato]nickel | | 51931-46-5 |
| Nickel [R(R*,R*)]-tartrate | | 52022-10-3 |
| Bis[(2-hydroxyethyl)dithiocarbamato-S,S']nickel | | 52486-98-3 |
| Bis[bis(2-hydroxyethyl)dithiocarbamato-S,S']nickel | | 52486-99-4 |
| Nickel(2+) methacrylate | | 52496-91-0 |
| Nickel divanadium hexaoxide | | 52502-12-2 |
| Bis(diethyldithiocarbamato-S,S')nickel | | 52610-81-8 |
| Nickel 3,5-bis(tert-butyl-4-hydroxybenzoate (1:2) | | 52625-25-9 |
| Bis[2,4-dihydro-5-methyl-4-(1-oxodecyl)-2-phenyl-3H-pyrazol-3-onato-O,O']nickel | | 56557-00-7 |
| Cobalt nickel dioxide | | 58591-45-0 |
| Nickel(2+) acrylate | | 60700-37-0 |
| Hydrogen [3,4-bis[[(2-hydroxy-1-naphthyl)methylene]amino]benzoato(3-)-N3,N4,O3,O4]nickelate(1-) | | 61300-98-9 |
| Nickel, 3-[(4-chlorophenyl)azo]-4-hydroxy-2(1H)-quinolinone complex | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 12775. | 61725-51-7 |
| Naphthenic acids, nickel salts | | 61788-71-4 |
| Bis(ethylenediamine-N,N')copper tetrakis(cyano-C)nickelate | | 63427-32-7 |

| Substance name | Description | CAS No. |
|---|---|---|
| Tetrapotassium [[[nitrilotris(methylene)]tris[phosphonato]](6-)]nickelate(4-) | | 63588-33-0 |
| Tripotassium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-) | | 63597-34-2 |
| Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']nickelate(1-) | | 63640-18-6 |
| [2,3'-bis[[(2-hydroxyphenyl)methylene]amino]but-2-enedinitrilato(2-)-N2,N3,O2,O3]nickel | | 64696-98-6 |
| Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively. | | - |
| Carcinogen category 1B (Table 3.1)/ carcinogen category 2 (Table 3.2) listed in Appendix 2 | | - |
| Carcinogen category 1A (Table 3.1)/ carcinogen category 1 (Table 3.2) listed in Appendix 1 | | - |
| Substances which are classified as germ cell mutagen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively. | | - |
| Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4 | | - |
| Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3 | | - |
| Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively. | | - |
| Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 | | - |

| Substance name | Description | CAS No. |
|---|---|---|
| Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 | | - |
| Creosote and Creosote related substances | Tar Oils derived from coal and/or wood by distillation or by other processes | - |
| Distillates (coal tar), upper; heavy anthracene oil | The distillate from coal tar having an approximate distillation range of 220°C to 450°C (428°F to 842°F). Composed primarily of three to four membered condensed ring aromatic hydrocarbons and other hydrocarbons. | 65996-91-0 |
| Anthracene oil | A complex combination of polycyclic aromatic hydrocarbons obtained from coal tar having an approximate distillation range of 300°C to 400°C (572°F to 752°F). Composed primarily of phenanthrene, anthracene and carbazole | 90640-80-5 |
| Creosote oil, acenaphthene fraction; wash oil | A complex combination of hydrocarbons produced by the distillation of coal tar and boiling in the range of approximately 240°C to 280°C (464°F to 536°F). Composed primarily of acenaphthene, naphthalene and alkyl naphthalene. | 90640-84-9 |
| Creosote oil; wash oil | A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic hydrocarbons and may contain appreciable quantities of tar acids and tar bases. It distills at the approximate range of 200°C to 325°C (392°F to 617°F). | 61789-28-4 |
| Creosote; wash oil | The distillate of coal tar produced by the high temperature carbonization of bituminous coal. It consists primarily of aromatic hydrocarbons, tar acids and tar bases. | 8001-58-9 |
| Creosote, wood | A complex combination of phenols obtained as a distillate from wood tar. | 8021-39-4 |
| Tar acids, coal, crude; crude phenols | The reaction product obtained by neutralizing coal tar oil alkaline extract with an acidic solution, such as aqueous sulfuric acid, or gaseous carbon dioxide, to obtain the free acids. Composed primarily of tar acids such as phenol, cresols, and xylenols. | 65996-85-2 |
| Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline | The residue from low temperature coal tar oils after an alkaline wash, such as aqueous sodium hydroxide, to remove crude coal tar acids. Composed primarily of hydrocarbons and aromatic nitrogen bases. | 122384-78-5 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Distillates (coal tar), naphthalene oils; naphthalene oil | A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills in the approximate range of 200°C to 250°C (392°F to 482°F). | 84650-04-4 |
| Chloroform | | 67-66-3 |
| 1,1,2-Trichloroethane | | 79-00-5 |
| 1,1,2,2-Tetrachloroethane | | 79-34-5 |
| 1,1,1,2-Tetrachloroethane | | 630-20-6 |
| Pentachloroethane | | 76-01-7 |
| 1,1-Dichloroethene | | 75-35-4 |
| Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2,substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not | | - |
| Hexachloroethane | | 67-72-1 |
| Azocolourants and Azodyes | | - |
| A mixture of: disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-); trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromate(1-) | AZUL MARINHO 018112; BLEU MARINE 018112; NAVY 018112; NAVY BLUE 018112 | 118685-33-9 |
| 4-o-tolylazo-o-toluidine | | 97-56-3 |
| Diphenylether, octabromo derivative C12H2Br8O | | - |
| Diphenyl ether, octabromo derivative | | 32536-52-0 |
| Entry 46 | | - |
| Nonylphenol C6H4(OH)C9H19 | | 25154-52-3 |
| Nonylphenol ethoxylates (C2H4O)nC15H24O | | - |
| Nonylphenol ethoxylates (C2H4O)nC15H24O | | - |
| Nonylphenol, ethoxylated | | 9016-45-9 |
| 4-Nonylphenol, ethoxylated | 1 - 2.5 moles ethoxylated | 26027-38-3 |
| Isononylphenol, ethoxylated | | 37205-87-1 |
| 4-Nonylphenol, branched, ethoxylated | 1 - 2.5 moles ethoxylated | 127087-87-0 |
| Nonylphenol, branched, ethoxylated | 1 - 2.5 moles ethoxylated | 68412-54-4 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Chromium VI compounds | | - |
| Toluene | | 108-88-3 |
| Trichlorobenzene | | 120-82-1 |
| Polycyclic-aromatic hydrocarbons (PAH) | | - |
| Benzo[a]pyrene (BaP) | | 50-32-8 |
| Dibenzo[a,h]anthracene (DBAhA) | | 53-70-3 |
| Benzo[a]anthracene (BaA) | | 56-55-3 |
| Chrysen (CHR) | | 218-01-9 |
| Benzo[j]fluoranthene (BjFA) | | 205-82-3 |
| Benzo[b]fluoranthene (BbFA) | | 205-99-2 |
| Benzo[k]fluoranthene (BkFA) | | 207-08-9 |
| Benzo[e]pyrene (BeP) | | 192-97-2 |
| Diisobutyl phthalate (DIBP); Dibutyl phthalate (DBP); Benzyl butyl phthalate (BBP); Bis(2-ethylhexyl) phthalate (DEHP) | | - |
| Diisobutyl phthalate | | 84-69-5 |
| Bis (2-ethylhexyl) phthalate (DEHP) | | 117-81-7 |
| Benzyl butyl phthalate (BBP) | | 85-68-7 |
| Dibutyl phthalate (DBP) | | 84-74-2 |
| The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 52] | | - |
| 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich | | 68515-48-0 |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | | 68515-49-1 |
| Di-“isononyl” phthalate (DINP) | | 28553-12-0 |
| Di-“isodecyl” phthalate (DIDP) | | 26761-40-0 |
| Di-n-octyl phthalate (DNOP) | | 117-84-0 |
| 2-(2-methoxyethoxy)ethanol (DEGME) | | 111-77-3 |
| 2-(2-butoxyethoxy)ethanol (DEGBE) | | 112-34-5 |
| Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members): | | - |
| 4,4’-Methylenediphenyl diisocyanate | | 101-68-8 |
| Methylenediphenyl diisocyanate (MDI) | | 26447-40-5 |
| 2,4’-Methylenediphenyl diisocyanate | | 5873-54-1 |
| 2,2’-Methylenediphenyl diisocyanate | | 2536-05-2 |
| Cyclohexane | | 110-82-7 |
| Ammonium nitrate (AN) | | 6484-52-2 |
| Dichloromethane | | 75-09-2 |
| Acrylamide | | 79-06-1 |
| Dimethyl fumarate (DMFu) | | 624-49-7 |
| Entry 62 | | - |
| Phenylmercury octanoate | | 13864-38-5 |
| Phenylmercury acetate | | 62-38-4 |
| Phenylmercury 2-ethylhexanoate | | 13302-00-6 |

| Substance name | Description | CAS No. |
|---|---|---|
| Phenylmercury neodecanoate | | 26545-49-3 |
| Phenylmercury propionate | | 103-27-5 |
| Lead and its compounds | | - |
| Lead | | 7439-92-1 |
| Lead compounds | | - |
| Lead chromate sulfate (Pb9(CrO4)5(SO4)4) | | 51899-02-6 |
| Arsenic acid, (H3-As-O4), lead(4+) salt (4:3) | | 53404-12-9 |
| Chromic acid (H2CrO4), lead(2+) potassium salt (2:1:2) | | 13845-31-3 |
| 205Pb | | 14119-28-9 |
| 209Pb | | 14119-30-3 |
| 210Pb | | 14255-04-0 |
| 203Pb | | 14687-25-3 |
| Plumbane, tetrakis(1-methylethyl)- | | 14846-40-3 |
| Lead and Lead compounds (as Pb) | | 14931-82-9 |
| 214Pb | | 15067-28-4 |
| 212Pb | | 15092-94-1 |
| Phosphonic acid, lead(2+) salt (2:1) | | 15521-60-5 |
| 202Pb | | 15752-86-0 |
| Acetic acid, lead(2+) salt, monohydrate | | 15773-48-5 |
| 211Pb | | 15816-77-0 |
| Ethanedioic acid, lead salt | | 15843-48-8 |
| Phosphoric acid, lead salt | | 16040-38-3 |
| Phosphoric acid, lead(2+) salt (2:1) | | 16180-04-4 |
| 200Pb | | 16645-99-1 |
| 198Pb | | 16646-00-7 |
| Arsenic acid (H3AsO4), lead(4+) salt (3:2) | | 10102-48-4 |
| Lead chlorate | | 10294-47-0 |
| Chromium lead oxide | | 11119-70-3 |
| Lead hydroxide (Pb(OH)) | | 108350-80-7 |
| Carbamodithioic acid, dipentyl-, lead(2+) salt | | 109707-90-6 |
| Chromium lead molybdenum oxide sulfate, silica-modified | | 116565-73-2 |
| Chromium lead oxide sulfate, silica-modified | | 116565-74-3 |
| Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate | | 120119-64-4 |
| Acetic acid, fluoro-, triethyllead salt | | 562-95-8 |
| Lead, bis(2-hydroxybenzoato-O1,O2)-, monohydrate, (T-4)- | | 6107-93-3 |
| Lead strontium titanium zirconium oxide | | 153679-91-5 |
| Naphthenic acid, cobalt lead manganese salt | | 61789-50-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Naphthalenesulfonic acid, dinonyl-, lead(2+) salt | | 61867-68-3 |
| Plumbane, dibutyldiethyl- | | 65121-94-0 |
| Plumbane, tetrakis(1-methylpropyl)- | | 65151-08-8 |
| Resin acids and Rosin acids, calcium salts, polymers with lead resinates and sapond. linseed oil | | 68139-27-5 |
| Grounding oil | | 68152-99-8 |
| 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethenylbenzene, lead(2+) 2-methyl-2-propenoate (1:2) and alpha-(2-methyl-1-oxo-2-propen-1-yl)-omega-((2-methyl-1-oxo-2-propen-1-yl)oxy)poly(oxy-1,2-ethanediyl) | | 68155-47-5 |
| Lanthanum lead titanium zirconium oxide | | 1227908-26-0 |
| Benzoic acid, 4-methyl-, lead(4+) salt | | 15516-84-4 |
| Phenol, lead(2+) salt (2:1) | | 20534-94-5 |
| Phenol, lead salt | | 25987-03-5 |
| Benzoic acid, methyl-, lead(2+) salt | | 27496-91-9 |
| Tetracosanoic acid, lead(2+) salt | | 28267-01-8 |
| Lead, bis[bis(1-methylethyl)carbamodithioato-S,S']-, (T-4)- | | 30051-53-7 |
| Benzoic acid, 3-methyl-, lead(4+) salt | | 34295-32-4 |
| Nonanoic acid, lead salt | | 41234-07-5 |
| Benzoic acid, 2-methyl-, lead(2+) salt | | 52337-73-2 |
| Plumbate(1-), [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O'']-, sodium, (T-4)- | | 53113-58-9 |
| Benzoic acid, 4-methyl-, lead(2+) salt | | 58274-53-6 |
| UNDECANSAEURE-PB(II)-SALZ | | 63400-07-7 |
| Nonanoic acid, lead(2+) salt | | 63400-08-8 |
| Lead, bis[bis(2-methylpropyl)carbamodithioato-S,S']-, (T-4)- | | 69090-73-9 |
| 9-Octadecenoic acid, lead(2+) salt, (E)- | | 69637-83-8 |
| Lead, bis(dipropylcarbamodithioato-S,S')-, (T-4)- | | 70995-63-0 |
| Ethanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1) | | 72437-77-5 |
| 22-Tricosenoic acid, lead(2+) salt | | 76835-98-8 |
| Benzoic acid, 2-methyl-, lead salt | | 76925-97-8 |
| Pentanoic acid, 2-propyl-, lead(2+) salt | | 87835-32-3 |
| Benzenesulfonic acid, hydroxy-, lead salt | | 82696-30-8 |
| Benzoic acid, 2-butyl, lead(2+) salt | | 91187-55-2 |
| 1-Propanesulfonic acid, 2-hydroxy-, lead(2+) salt (2:1) | | 103427-19-6 |

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| Substance name | Description | CAS No. |
|---|---|---|
| 1-Propanesulfonic acid, 2-hydroxy-, lead salt | | 114601-64-8 |
| 2-Propanesulfonic acid, 1-hydroxy-, lead salt | | 133988-90-6 |
| p-tert-Butylbenzoic acid lead salt | | 3249-60-3 |
| Lead sulfite | | 25666-92-6 |
| 2',4',5',7'-Tetrabromofluorescein lead salt | | 51868-24-7 |
| Hexafluorosilicate(2-), lead(2+) (1:1), tetrahydrate | | 83689-82-1 |
| Lead dichlorite | | 13453-57-1 |
| Lead chloride (PbCl) | | 13931-84-5 |
| Lead sulfide | | 39377-56-5 |
| Dilead dioxide | | 35229-41-5 |
| Lead fluoride (VAN) | | 53096-04-1 |
| Plumbylium, ethyldimethyl- | | 103730-90-1 |
| Plumbylium, diethylmethyl- | | 105956-70-5 |
| Plumbane, tributylchloro- | | 13302-14-2 |
| Lead bromide chloride | | 13778-36-4 |
| Plumbane, chlorotripropyl- | | 1520-71-4 |
| Plumbane, dichlorodimethyl- | | 1520-77-0 |
| Lead, diacetoxydiethyl- (7CI) | | 15773-47-4 |
| Plumbane, (4-bromobutyl)triphenyl- | | 16035-34-0 |
| Plumbane, (4-azidobutyl)triphenyl- | | 16035-39-5 |
| 1H-Imidazole, 1-(tributylplumbyl)- | | 16128-42-0 |
| Plumbane, bis(methacryloyloxy)dimethyl- | | 22515-48-6 |
| Plumbane, bis(acetyloxy)dibutyl- | | 2587-84-0 |
| Plumbane, tris(acetyloxy)phenyl- | | 3076-54-8 |
| [Nitrooxy(diphenyl)plumbyl] nitrate | | 41825-28-9 |
| Plumbane, triethyl[[(4-methylphenyl)sulfonyl]oxy]- | | 43135-86-0 |
| 9H-Carbazole, 9-(triphenylplumbyl)- | | 56240-91-6 |
| 1H-Indole, 1-(triphenylplumbyl)- | | 56240-92-7 |
| 1H-Pyrrole, 1-(triphenylplumbyl)- | | 56240-93-8 |
| Plumbane, butyltrimethyl- | | 54964-75-9 |
| Lead diphenyl acid propionate | | 56764-40-0 |
| Butyl-ethyl-dimethylplumbane | | 65122-14-7 |
| Plumbane, tripropyl- | | 6618-03-7 |
| Lead, triethyl-, oleate | | 63916-98-3 |
| Butyl(triethyl)plumbane | | 64346-32-3 |
| Butyl-diethyl-methylplumbane | | 65122-13-6 |
| 1H-Isoindole-1,3(2H)-dione, 4,5,6, 7-tetrachloro-2-(triethylplumbyl)- | | 73928-23-1 |
| Trimethyl lead | | 7442-13-9 |
| 1H-1,2,3-Triazole-5-methanol, .alpha.,.alpha.-dimethyl-1-[4-(triphenylplumbyl)butyl]- | | 73826-06-9 |

| Substance name | Description | CAS No. |
|---|---|---|
| Plumbane, [(4-aminobenzoyl)oxy]triethyl- | | 73928-17-3 |
| Chromic acid (H2CrO4), lead(2 ) salt | | 15804-54-3 |
| Plumbylium, trimethyl- | | 14570-16-2 |
| Diethyllead | | 24952-65-6 |
| Carboxylic acids, tall-oil, lead salts, basic | | 68603-93-0 |
| Castor oil, dehydrated, polymer with rosin, calcium lead zinc salt | | 68604-05-7 |
| Acetic acid, reaction products with capric acid, carpylic acid, coconut oil, and hydrogenated tallow fatty acids, calcium, lead salts | | 68784-59-8 |
| Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped | | 68784-76-9 |
| Gum rosin, litharge polymer | | 68952-91-0 |
| Basic lead beta-resorcylate | | 68954-05-2 |
| Gilsonite, polymer with cyclopentadiene, dicyclopentadiene and linseed oil, lead salts | | 68956-49-0 |
| Barium bismuth lead niobium titanium oxide | | 68987-33-7 |
| Gilsonite, linseed oil polymer, lead salt | | 68989-89-9 |
| Linseed oil, polymer with tung oil, lead salt | | 68990-75-0 |
| Antimonial lead | | 69029-50-1 |
| Acetic acid, capric acid, caprylic acid, coconut oil, hydrogenated tallow fatty acids, calcium-lead complex salt | | - |
| Dehydrated castor oil fatty acids, glycerine, C36 fatty acid dimers, litharge polymer | | 70879-91-3 |
| Silicic acid (H6Si2O7), barium zinc salt (1:1:2), lead-doped | | 71799-66-1 |
| Octadecanoic acid, barium lead salt | | 73105-55-2 |
| Carbamodithioic acid, phenylethyl-, lead salt | | 75790-73-7 |
| Bismuth alloy, Bi 50,Pb 25,Cd 12,Sn 12 (L-pbbi50Sn12.5Cd12.5) | | 76093-98-6 |
| Arsenic acid (H3AsO4), lead salt | | 7645-25-2 |
| Pigment Lightfast Lead-Molybdate Orange OS (9CI) | | 78690-68-3 |
| (2-Methyl-4,6-dinitrophenoxy)(nitrooxy)diplumboxane monohydrate | | 79357-62-3 |
| 2-[carboxylatomethyl(carboxymethyl)amino]acetate;lead(2+) | | 79849-02-8 |
| Glycine, N,N-bis(carboxymethyl)-, lead(2+) potassium salt (1:1:1) | | 79915-08-5 |

| Substance name | Description | CAS No. |
|---|---|---|
| 2-[bis(carboxylatomethyl)amino]acetate;lead(2+) | | 79915-09-6 |
| Lead (II) hydroxide salicylate | | 87903-39-7 |
| Arsenic acid (H3AsO4), lead(2+) salt (4:5) | | 89054-03-5 |
| Boric acid (H3BO3), lead(2+) salt (2:3) | | 91388-81-7 |
| Chromic acid (H2CrO4), lead(2+) sodium salt (2:1:2) | | 93215-61-3 |
| Methanesulfonic acid, lead salt | | 95860-12-1 |
| Lead, di-mu-hydroxy(2-methyl-4,6-dinitrophenolato-kappaO)(nitrato-kappaO)di- | | 96471-22-6 |
| Lead, isononanoate naphthenate complexes | | 84929-97-5 |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., lead(2+) salts | | 84961-75-1 |
| Fatty acids, C8-10-branched, lead salts | | 85049-42-9 |
| Flue dust, lead-manufg., cadmium-rich | Residue obtained in the metallurgical treatment of lead concentrate in a lead blast furnace. The substance is composed of cadmium oxides, lead oxides, and impurities containing compounds of arsenic, chlorine, indium and tellurium. | 85117-02-8 |
| Lead(2+) 4-(1,1-dimethylethyl)benzoate | | 85292-77-9 |
| Lead bis(5-oxo-L-prolinate) | | 85392-77-4 |
| Lead bis(5-oxo-DL-prolinate) | | 85392-78-5 |
| Lead uranate pigment | | 85536-79-4 |
| Lead bis(2-ethylhexanolate) | | 93840-04-1 |
| Lead(2+) 4,4'-isopropylidenebisphenolate | | 93858-23-2 |
| Lead(2+) (Z)-hexadec-9-enoate | | 93858-24-3 |
| Lead(2+) ethylphenyldithiocarbamate | | 93892-65-0 |
| Lead(2+) neononanoate | | 93894-48-5 |
| Lead(2+) neoundecanoate | | 93894-49-6 |
| (neononanoato-O)(neoundecanoato-O)lead | | 93894-64-5 |
| Phosphoric acid, mixed Bu and hexyl diesters, lead(2+) salts | | 93925-27-0 |
| Lead bis(isoundecanoate) | | 93965-29-8 |
| Lead bis(tricosanoate) | | 93966-37-1 |
| Lead tetracosanoate | | 93966-38-2 |
| Lead pentadecanoate | | 93966-74-6 |
| Lead(II) isooctanoate | | 93981-67-0 |
| Hexacosanoic acid, lead salt | | 94006-20-9 |
| [μ-[[5,5'-azobis[1H-tetrazolato]](2-)]]dihydroxydilead | | 94015-57-3 |
| Lead diundec-10-enoate | | 94232-40-3 |
| (isononanoato-O)(isooctanoato-O)lead | | 94246-84-1 |
| (isodecanoato-O)(isooctanoato-O)lead | | 94246-85-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| (isodecanoato-O)(isononanoato-O)lead | | 94246-86-3 |
| Silicic acid (H2SiO3), calcium salt (1:1), lead and manganese-doped | | 100402-96-8 |
| Lead, dross, vanadium-zinc-contg. | | 100656-49-3 |
| Matte, copper-lead, tellurium-contg. | A matte obtained from reduction of copper electrolysis sludge from which selenium has been removed with coal. Composed primarily of copper, lead and tellurium. | 100656-53-9 |
| Flue dust, copper-lead blast furnace, cadmium-indium-enriched | A cadmium-indium-enriched product obtained from the recirculation of copper-lead blast furnace flue dusts. Composed primarily of cadmium, indium and lead. | 100656-55-1 |
| Lead, isodecanoate naphthenate complexes, basic | | 101012-92-4 |
| Lead, isooctanoate neodecanoate complexes | | 101013-06-3 |
| Phosphoric acid, calcium salt (1:1), solid soln. with calcium chloride, calcium fluoride, calcium oxide, phosphorus oxide (P2O5) and strontium oxide, lead and manganese-doped | | 102047-25-6 |
| Barium oxide (BaO), solid soln. with calcium oxide, strontium oxide and tungsten oxide (WO3), lead-doped | | 102110-24-7 |
| Boric acid (H3BO3), solid soln. with barium oxide, calcium oxide and strontium oxide, lead and manganese-doped | | 102110-26-9 |
| Silicic acid, calcium salt, lead and manganese-doped | | 102110-36-1 |
| Lead ores, concs., leached | The residue obtained from leaching of a lead concentrate or ore to remove some of the soluble elements such as arsenic or iron. Composed primarily of lead but also containing other non-ferrous metals and gangue constituents. | 102110-48-5 |
| Residues, copper-iron-lead-nickel matte, sulfuric acid-insol. | | 102110-49-6 |
| Residues, precious metal refining cementation | The residues obtained by the addition of aluminum or zinc to end liquors obtained from secondary refining of gold, iridium, osmium, palladium, platinum, rhenium, ruthenium or silver. Composed primarily of the precious metals, ammonium chloride and chlorides of aluminum, magnesium and zinc. | 102110-50-9 |
| Slimes and Sludges, battery scrap, antimony- and lead-rich | A product obtained by the treatment of battery scraps to recover lead. Composed primarily of oxides and sulfates of antimony and lead. | 102110-60-1 |
| Slimes and Sludges, copper conc. roasting off gas scrubbing, lead-mercury-selenium-contg. | The product obtained by the purification of copper ore concentrate roasting offgas. Composed primarily of lead, mercury and selenium. | 102110-61-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg. | The product obtained by the purification of copper-lead ore concentrate roasting offgas. Composed primarily of arsenic oxide (As2O3). | 102110-62-3 |
| barium calcium cesium lead samarium strontium bromide chloride fluoride iodide europium doped | | 199876-46-5 |
| Lead C3-13-alkanecarboxylate naphthenate complexes | | 79803-79-5 |
| Acetic acid, oleic acid, candelilla wax, tallow, calcium-lead complex salt | | 69103-03-3 |
| lead(2+) phosphonate | | 13453-65-1 |
| silicic acid, lead nickel salt | | 68130-19-8 |
| Plumbane dichlorodiethyl- | | 13231-90-8 |
| (isodecanoato-O)(neodecanoato-O)lead | | 94246-87-4 |
| (2-ethylhexanoato-O)(isooctanoato-O)lead | | 94246-90-9 |
| (2-ethylhexanoato-O)(isononanoato-O)lead | | 94246-91-0 |
| (2-ethylhexanoato-O)(isodecanoato-O)lead | | 94246-92-1 |
| (2-ethylhexanoato-O)(neodecanoato-O)lead | | 94246-93-2 |
| Lead icosanoate (1:2) | | 94266-31-6 |
| Lead icosanoate | | 94266-32-7 |
| Fatty acids, tallow, reaction products with lead oxide | | 94349-78-7 |
| (isononanoato-O)(neodecanoato-O)lead | | 94481-58-0 |
| Lead, zinc dross | | 94551-60-7 |
| Calcines, lead-zinc ore conc. | A thermally agglomerated substance formed by heating a mixture of metal sulfide concentrates, limestone, sand, furnace dross, miscellaneous zinc, lead and copper bearing materials, together with already roasted material to a temperature of 1000°C to 1200°C (538°F to 649°F). | 94551-62-9 |
| Fumes, lead | Residue produced in lead smelting operations from the volatillsation of lead from materials smelted. Consists primarily of chlorides and oxides of antimony, arsenic and zinc. | 94551-66-3 |
| Leach residues, copper-lead | Substance formed by the oxidative leaching of lead- and copper-containing materials with sulfuric acid. Consists primarily of lead sulfates and other lead compounds with lesser amounts of other non-ferrous compounds. | 94551-72-1 |
| Matte, copper-lead | Substance produced as a by-product of lead smelting operations. Consists primarily of copper sulfide with significant amounts of lead sulfide and precious metals. | 94551-74-3 |

| Substance name | Description | CAS No. |
|---|---|---|
| Residues, lead smelting wastewater treatment | Material obtained during waste water treatment in lead production. Consists primarily of lead with additional metal carbonates, hydroxides, sulfides or sulfates. | 94551-78-7 |
| Residues, lead-zinc smelting wastewater treatment | Product of hydrolysis and neutralisation of zinc/lead smelter waste waters. Consists primarily of cadmium hydroxide, calcium sulfate, calcium sulfite, iron hydroxide, lead hydroxide and zinc hydroxide. | 94551-79-8 |
| Wastes, lead battery reprocessing | Material obtained during the recycling of exhausted lead storage batteries. Consists primarily of oxides and sulfates of lead and lead alloys. | 94551-99-2 |
| Waste solids, lead silver anode | The slag or residue obtained when lead/silver anodes used in the electrolytic production of zinc are recast. Fusion of the alloys of lead and silver (manganese may also be present) and simultaneous oxidation occur. | 94552-05-3 |
| Lead(2+) isohexadecanoate | | 95892-13-0 |
| Slimes and Sludges, lead acetate manuf. | The residue obtained from the treatment of lead with acetic acid. Composed primarily of elemental lead, lead acetate and basic lead carbonate hydroxide. | 96690-46-9 |
| Ferrite substances, magnetoplumbite-type, barium-cobalt-titanium | | 97488-85-2 |
| Magnetoplumbite, barium titanium zinc brown | | 97675-41-7 |
| Lead, bullion | | 97808-88-3 |
| Lead fluoride hydroxide | | 97889-90-2 |
| 7-methyloctanoic acid, lead salt | | 97952-39-1 |
| Nitric acid, lead(2+) salt, reaction products with sodium tin oxide | | 97953-08-7 |
| Matte, precious metal | | 98072-52-7 |
| Slimes and Sludges, precious metal refining | | 98072-61-8 |
| Speiss, lead, nickel-contg. | Product obtained and separated during the melting of nickel and other non-ferrous metals containing raw materials. Consists primarily of antimonides and arsenides of copper and nickel. | 98246-91-4 |
| Sulfuric acid, barium salt (1:1), lead-doped | | 99328-54-8 |
| Perchloric acid, reaction products with lead oxide (PbO) and triethanolamine | | 99749-31-2 |
| Lead bis(tetracosylbenzenesulphonate) | | 85865-91-4 |
| Lead bis[didodecylbenzenesulphonate] | | 85865-92-5 |
| 1,2-Benzenedicarboxylic acid, lead(2+) salt, basic | | 90193-83-2 |
| 2-Butenedioic acid (E)-, lead(2+) salt, basic | | 90268-59-0 |

| Substance name | Description | CAS No. |
|---|---|---|
| 2-Butenedioic acid (Z)-, lead(2+) salt, basic | | 90268-66-9 |
| Decanoic acid, branched, lead salts | | 90342-24-8 |
| Dodecanoic acid, lead salt, basic | | 90342-56-6 |
| Hexadecanoic acid, lead salt, basic | | 90388-09-3 |
| Hexadecanoic acid, lead(2+) salt, basic | | 90388-10-6 |
| 9-Hexadecenoic acid, lead(2+) salt, (Z)-, basic | | 90388-15-1 |
| Isodecanoic acid, lead salt, basic | | 90431-14-4 |
| Isononanoic acid, lead salt, basic | | 90431-21-3 |
| Isooctanoic acid, lead salt, basic | | 90431-26-8 |
| Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes, overbased | | 90431-27-9 |
| Lead, C8-10-branched fatty acids C9-11-neofatty acids naphthenate complexes | | 90431-28-0 |
| Lead, 2-ethylhexanoate isodecanoate complexes, basic | | 90431-30-4 |
| Lead, 2-ethylhexanoate isononanoate complexes, basic | | 90431-31-5 |
| Lead, 2-ethylhexanoate isooctanoate complexes, basic | | 90431-32-6 |
| Lead, 2-ethylhexanoate naphthenate complexes | | 90431-33-7 |
| Lead, 2-ethylhexanoate naphthenate complexes, basic | | 90431-34-8 |
| Lead, 2-ethylhexanoate neodecanoate complexes, basic | | 90431-35-9 |
| Lead, isodecanoate isononanoate complexes, basic | | 90431-36-0 |
| Lead, isodecanoate isooctanoate complexes, basic | | 90431-37-1 |
| Lead, isodecanoate naphthenate complexes | | 90431-38-2 |
| Lead, isodecanoate neodecanoate complexes, basic | | 90431-39-3 |
| Lead, isononanoate naphthenate complexes, basic | | 90431-40-6 |
| Lead, isononanoate neodecanoate complexes, basic | | 90431-41-7 |
| Lead, isooctanoate naphthenate complexes, basic | | 90431-42-8 |
| Lead, naphthenate neodecanoate complexes | | 90431-43-9 |
| Lead, neononanoate neoundecanoate complexes, basic | | 90431-44-0 |
| Neodecanoic acid, lead salt, basic | | 90459-25-9 |
| Neononanoic acid, lead salt, basic | | 90459-26-0 |
| Neoundecanoic acid, lead salt, basic | | 90459-28-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Octadecanoic acid, lead salt, basic | | 90459-51-1 |
| Octadecanoic acid, lead(2+) salt, basic | | 90459-52-2 |
| 9-Octadecenoic acid (Z)-, lead salt, basic | | 90459-88-4 |
| 2-Propenoic acid, 2-methyl-, lead salt, basic | | 90552-19-5 |
| Sulfuric acid, lead(2+) salt, basic | | 90583-07-6 |
| Sulfurous acid, lead(2+) salt, basic | | 90583-37-2 |
| Tetradecanoic acid, lead salt, basic | | 90583-65-6 |
| Fatty acids, C6-19-branched, lead salts | | 91002-20-9 |
| Fatty acids, C8-9, lead salts | | 91031-60-6 |
| Fatty acids, C8-10, lead salts | | 91031-61-7 |
| Fatty acids, C16-18, lead salts | | 91031-62-8 |
| Leach residues, zinc ore, lead-contg. | Insoluble substance obtained during dissolution of zinc ores or concentrate in sulfuric acid for the production of zinc sulfate solutions after physical separation such as flotation and filtration. | 91053-49-5 |
| Naphthenic acids, lead (2+) salts | | 91078-81-8 |
| Isodecanoic acid, lead(2+) salt, basic | | 91671-82-8 |
| Isooctanoic acid, lead(2+) salt, basic | | 91671-83-9 |
| Isoundecanoic acid, lead(2+) salt, basic | | 91671-84-0 |
| Fatty acids, castor-oil, hydrogenated, lead salts | | 91697-36-8 |
| Phosphorodithioic acid, mixed O,O-bis(Bu and pentyl) esters, lead(2+) salt | | 91783-10-7 |
| Fatty acids, coco, lead salts | | 92044-89-8 |
| Naphthenic acids, lead salts, basic | | 92045-67-5 |
| Lead, C4-10-fatty acid octanoate complexes | | 92200-92-5 |
| Fatty acids, C14-26, lead salts | | 93165-26-5 |
| Slags, lead-zinc smelting | Substance formed by processing of chiefly oxidic material with lead and zinc content in a rotating furnace. Consists primarily of Al2O3, CaO, Fe, FeO and SiO2 with other nonferrous compounds as well as carbon. | 93763-87-2 |
| Flue gases, lead-zinc blast furnace | The off-gases from the zinc/lead blast furnace. Consists primarily of carbon monoxide, carbon dioxide and nitrogen. | 93821-47-7 |
| Slimes and Sludges, lead-zinc blast furnace, offgas wet cleaning | Product generated from the wet cleaning of off-gases from the zinc/lead blast furnace. Consists primarily of zinc and lead in metallic or oxide form with varying amounts of other elements and compounds. | 93821-70-6 |
| Speiss, lead-zinc | | 93821-72-8 |
| Lead 3-(acetamido)phthalate | | 93839-98-6 |
| Triethyllead acetate | | 2587-81-7 |
| Lead phthalocyanine | | 15187-16-3 |
| 2-hydroxypropane-1,2,3-tricarboxylate;lead(2+);trihydrate | | 6107-83-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| lead(II) perchlorate trihydrate | | 13453-62-8 |
| Lead, triphenyl(phenylthio)- (7CI) | | 15590-77-9 |
| Plumbane, acetoxytripropyl- | | 13266-07-4 |
| triethylplumbanecarbonitrile | | 13732-17-7 |
| Lead hexafluoro-silicate | | 1310-03-8 |
| Boric acid (HBO2), lead(2+) salt, monohydrate | | 10214-39-8 |
| Lead picrate (dry) | | 25721-38-4 |
| 1,3-Benzenediol, 2-nitro-, lead salt, basic | | 68411-33-6 |
| Phenol, tetrapropylene-, lead(2+) salt | | 122332-23-4 |
| Lead oxide sulfate (Pb4O3(SO4)), monohydrate | | 12397-06-7 |
| Fatty acids, C4-20-branched, lead salts | | 125328-49-6 |
| Lead, C9-28-neocarboxylate 2-ethylhexanoate complexes, basic | | 125494-56-6 |
| Ferrate (2-), [N,N-bis[2-(bis(carboxymethyl)amino)ethyl]glycinato (5-)]-, disodium | | 12565-18-3 |
| Basic lead sulfite | | 12608-25-2 |
| Lead chloride | | 12612-47-4 |
| Boric acid, lead salt | | 12676-62-9 |
| Lead silicate sulfate | | 12687-78-4 |
| Chromic acid lead salt with lead molybdate | | 12709-98-7 |
| Ethanedioic acid, lead(2+) salt (1:1), trihydrate | | 128226-81-3 |
| Lead hydroxide oxide (Pb2(OH)2O) | | 1311-11-1 |
| Lead oxide (Pb2O3) | | 1314-27-8 |
| Carbonic acid, lead salt | | 13427-42-4 |
| Lead hydroxide oxide phosphite (Pb3(OH)O(PO3)), hydrate (2:1) | | 1344-40-7 |
| Lead tetrachloride | | 13463-30-4 |
| Chloric acid, lead(2+) salt, monohydrate | | 13510-96-8 |
| Lead (II) orthosilicate | | 13566-17-1 |
| 201Pb | | 17239-87-1 |
| 1,2-Benzenedicarboxylic acid, lead(2+) salt | | 18608-34-9 |
| Acetic acid, lead(2+) salt, dihydrate | | 22723-52-0 |
| Phosphonic acid, lead(2+) salt | | 24824-71-3 |
| 199Pb | | 27486-00-6 |
| Plumbane, tetrahydroxy- | | 29491-37-0 |
| Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate | | 33940-95-3 |
| Lead, tetrapropyl- | | 3440-75-3 |
| Sulfuric acid, lead(2+) lead(4+) salt (3:1:1) | | 35830-81-0 |
| LEAD HYDROXIDE | | 39345-91-0 |

| Substance name | Description | CAS No. |
|---|---|---|
| Tin alloy | | 39412-44-7 |
| Phenol, 2-methyldinitro-, lead salt | | 50319-14-7 |
| Lead, C5-23-branched carboxylate naphthenate complexes | | 83711-46-0 |
| Lead, C5-23-branched carboxylate naphthenate octanoate complexes | | 83711-47-1 |
| Lead, C5-23-branched carboxylate C4-10-fatty acid complexes | | 84066-98-8 |
| Lead, C5-23-branched carboxylate octanoate complexes | | 84066-99-9 |
| Lead, C4-10-fatty acid naphthenate complexes | | 84067-00-5 |
| Matte, lead | Substance resulting from the smelting of lead and its alloys obtained from primary and secondary sources and including recycled plant intermediates. Composed primarily of iron and lead (mainly in sulfide form) and may contain other residual non-ferrous metals and their compounds. | 84195-51-7 |
| Slimes and Sludges, lead, electrolytic | Substance resulting from the electrolytic refining of lead obtained from primary and secondary sources and including recycled plant intermediates. Composed primarily of lead, antimony and precious metals and may contain other residual non-ferrous metals and their compounds. | 84195-60-8 |
| Speiss, lead | Substance resulting from the smelting of lead and its alloys obtained from primary and secondary sources and including recycled plant intermediates. Composed primarily of arsenic, lead and iron and may contain other residual non-ferrous metals and their compounds. | 84195-61-9 |
| Hexanoic acid, dimethyl-, lead(2+) salt, basic | | 68442-95-5 |
| Hexanoic acid, 2-ethyl-, lead(2+) salt, basic | | 68515-76-4 |
| Hexanoic acid, 3,5,5-trimethyl-, lead(2+) salt, basic | | 68515-77-5 |
| Lead, isooctanoate naphthenate complexes | | 68515-80-0 |
| Linseed oil, lead manganese salt | | 68553-17-3 |
| Oils, fish, lead salts | | 68553-63-9 |
| Spinels, boron calcium lead silicon white | An inorganic pigment that is the reaction product of high temperature calcination in which boron oxide, calcium oxide, lead (II) oxide, and silicon oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel. | 68555-05-5 |
| Spinels, lead silicon tin zinc white | An inorganic pigment that is the reaction product of high temperature calcination in which lead (II) oxide, silicon oxide, tin (IV) oxide, and zinc oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of spinel. | 68555-07-7 |

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| Substance name | Description | CAS No. |
|---|---|---|
| Zinc sulfide (ZnS), copper and lead-doped | | 68585-90-0 |
| Lead(2+) dodecylphenolate | | 68586-21-0 |
| Fatty acids, C6-19-branched, lead salts, basic | | 68603-83-8 |
| Octanoic acid, branched, lead salts, basic | | 68604-56-8 |
| Fatty acids, tallow, hydrogenated, lead salts | | 68605-98-1 |
| Plumbane, ethyl methyl derivs. | | 68610-17-3 |
| Tungstate (WO42-), calcium (1:1), (T-4)-, lead-doped | | 68784-53-2 |
| Silicic acid (H6Si2O7), barium magnesium strontium salt, lead-doped | | 68784-74-7 |
| Silicic acid (H2Si2O5), barium salt (1:1), lead-doped | | 68784-75-8 |
| Cadmium sulfide (CdS), copper and lead-doped | | 68891-87-2 |
| (R)-3,5,6-trihydroxy-4,6-bis(3-methylbut-2-enyl)-2-(3-methyl-2-oxobutyl)cyclohexa-2,4-dien-1-one, lead salt | | 68901-11-1 |
| α-d-Glucopyranose, 1-(dihydrogen phosphate), lead salt | | 68901-12-2 |
| Acetic acid, reaction products with lead oxide (PbO), silica and sulfuric acid | | 68937-05-3 |
| Lead naphthenate | | 50825-29-1 |
| 3-(triphenylplumbyl)-1H-pyrazole | | 51105-45-4 |
| Nitroresorcinol, lead salt | | 51317-24-9 |
| Trinitrophloroglucinol, lead salt | | 51325-28-1 |
| Acetic acid, lead salt, basic | | 51404-69-4 |
| Octadecanoic acid, lead(2+) salt, tribasic | | 52080-60-1 |
| Sulfurous acid, lead salt, basic | | 52231-92-2 |
| Lead methacrylate | | 52609-46-8 |
| Sulfuric acid, lead salt, tetrabasic | | 52732-72-6 |
| Lead bis(isononanoate) | | 52847-85-5 |
| Phosphonic acid, lead salt, basic | | 53807-64-0 |
| 1,3,5-triazine-2,4,6(1H,3H,5H)-trione, lead salt | | 54554-36-8 |
| Dioxobis(stearato)dilead | | 56189-09-4 |
| [phthalato(2-)]oxodilead | | 57142-78-6 |
| Lead bis(12-hydroxystearate) | | 58405-97-3 |
| Lead 5-nitroterephthalate | | 60580-60-1 |
| Naphthenic acids, lead manganese salts | | 61788-52-1 |
| Fatty acids, tall-oil, lead manganese salts | | 61788-53-2 |
| Fatty acids, tall-oil, lead salts | | 61788-54-3 |
| Naphthenic acids, lead salts | | 61790-14-5 |
| Sulfurous acid, lead salt, dibasic | | 62229-08-7 |
| Bis(o-acetoxybenzoato)lead | | 62451-77-8 |

| Substance name | Description | CAS No. |
|---|---|---|
| Lead bis(4-cyclohexylbutyrate) | | 62637-99-4 |
| Lead(2+) heptadecanoate | | 63399-94-0 |
| Lead bis(diisononylnaphthalenesulphonate) | | 63568-30-9 |
| Isooctanoic acid, lead salt | | 64504-12-7 |
| Lead dibutanolate | | 65119-94-0 |
| Lead(2+) 4,6-dinitro-o-cresolate | | 65121-76-8 |
| Lead 12-hydroxyoctadecanoate | | 65127-78-8 |
| Bismuth lead ruthenium oxide | | 65229-22-3 |
| Lead bis(p-octylphenolate) | | 84394-98-9 |
| Fatty acids, C8-18 and C18-unsatd., lead salts | | 84776-36-3 |
| Fatty acids, C8-12, lead salts | | 84776-53-4 |
| Fatty acids, C18-24, lead salts | | 84776-54-5 |
| [μ-(4,6-dinitroresorcinolato(2-)-O1,O3)]dihydroxydilead | | 84837-22-9 |
| Lead(II) isodecanoate | | 84852-34-6 |
| Lead, isononanoate isooctanoate complexes, basic | | 84929-94-2 |
| Lead, isooctanoate neodecanoate complexes, basic | | 84929-95-3 |
| Lead, naphthenate neodecanoate complexes, basic | | 84929-96-4 |
| Lead tetraacetate | | 546-67-8 |
| Lead dicyanide | | 592-05-2 |
| Lead dithiocyanate | | 592-87-0 |
| Tetraphenyllead | | 595-89-1 |
| Lead diformate | | 811-54-1 |
| Lead dipropionate | | 814-70-0 |
| Lead oxalate | | 814-93-7 |
| Lead tartrate | | 815-84-9 |
| Lead malate | | 816-68-2 |
| Lead dibutyrate | | 819-73-8 |
| Lead(2+) acrylate | | 867-47-0 |
| Lead dibenzoate | | 873-54-1 |
| Chlorotriethylplumbane | | 1067-14-7 |
| Lead(2+) methacrylate | | 1068-61-7 |
| Lead distearate | | 1072-35-1 |
| Lead dioleate | | 1120-46-3 |
| Chlorotriphenylplumbane | | 1153-06-6 |
| Acetoxytriphenylplumbane | | 1162-06-7 |
| Lead succinate | | 1191-18-0 |
| Tetramethyllead | | 75-74-1 |
| Tetraethyllead | | 78-00-2 |
| Lead di(acetate) | | 301-04-2 |
| Lead bis(2-ethylhexanoate) | | 301-08-6 |
| Trilead dicitrate | | 512-26-5 |

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| Substance name | Description | CAS No. |
|---|---|---|
| Lead dioxide | | 1309-60-0 |
| Orange lead | | 1314-41-6 |
| Lead sulphide | | 1314-87-0 |
| Lead telluride | | 1314-91-6 |
| Lead monoxide | | 1317-36-8 |
| Trilead-bis(carbonate)-dihydroxide 2PbCO3-Pb(OH)2 | | 1319-46-6 |
| 2-(2,4,5,7-tetrabromo-3,6-dihydroxyxanthen-9-yl)benzoic acid, lead salt | | 1326-05-2 |
| Lead, bis(acetato-O)tetrahydroxytri- | | 1335-32-6 |
| Lead sulfochromate yellow | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603. | 1344-37-2 |
| Basic lead chromate orange | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77601. | 1344-38-3 |
| Chlorotrimethylplumbane | | 1520-78-1 |
| Ethyltrimethylplumbane | | 1762-26-1 |
| Diethyldimethylplumbane | | 1762-27-2 |
| Triethylmethylplumbane | | 1762-28-3 |
| Tetrabutylplumbane | | 1920-90-7 |
| Diphenyllead dichloride | | 2117-69-3 |
| Hexaethyldiplumbane | | 2388-00-3 |
| Lead dipicrate | | 6477-64-1 |
| Lead phthalate | | 6838-85-3 |
| Diacetoxydiphenylplumbane | | 6928-68-3 |
| Formic acid, lead salt | | 7056-83-9 |
| Lead(2+) octanoate | | 7319-86-0 |
| Stearic acid, lead salt | | 7428-48-0 |
| Lead sulphite | | 7446-10-8 |
| Lead sulphate PbSO4 | | 7446-14-2 |
| Lead selenate | | 7446-15-3 |
| Trilead bis(orthophosphate) | | 7446-27-7 |
| Lead(2+) selenite | | 7488-51-9 |
| Lead(4+) stearate | | 7717-46-6 |
| Lead dichloride | | 7758-95-4 |
| Lead chromate | | 7758-97-6 |
| Lead tungsten tetraoxide | | 7759-01-5 |
| Lead dinitrate | | 10099-74-8 |
| Lead(2+) silicate | | 10099-76-0 |
| Lead divanadium hexaoxide | | 10099-79-3 |
| Lead diiodide | | 10101-63-0 |
| Lead molybdate | | 10190-55-3 |
| Lead diphosphinate | | 10294-58-3 |
| Silicic acid, chromium lead salt | | 11113-70-5 |
| Dibismuth dilead tetraruthenium tridecaoxide | | 11116-83-9 |

| Substance name | Description | CAS No. |
|---|---|---|
| Silicic acid, lead salt | | 11120-22-2 |
| Dicalcium lead tetraoxide | | 12013-69-3 |
| Dilead chromate dihydroxide | | 12017-86-6 |
| Dodecairon lead nonadecaoxide | | 12023-90-4 |
| Hafnium lead trioxide | | 12029-23-1 |
| Lead disodium dioxide | | 12034-30-9 |
| Lead diniobium hexaoxide | | 12034-88-7 |
| Lead tin trioxide | | 12036-31-6 |
| Lead oxide sulfate | | 12036-76-9 |
| Bismuth, compound with lead (1:1) | | 12048-28-1 |
| Dilead oxide | | 12059-89-1 |
| Lead titanium trioxide | | 12060-00-3 |
| Lead zirconium trioxide | | 12060-01-4 |
| Lead ditantalum hexaoxide | | 12065-68-8 |
| Pentalead tetraoxide sulphate | | 12065-90-6 |
| Lead selenide | | 12069-00-0 |
| Lead difluoride | | 7783-46-2 |
| Lead(IV) fluoride | | 7783-59-7 |
| Lead hydrogen arsenate | | 7784-40-9 |
| Pyrochlore, antimony lead yellow | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77588. | 8012-00-8 |
| Resin acids and Rosin acids, lead salts | | 9008-26-8 |
| Lead arsenite | | 10031-13-7 |
| Lead dibromide | | 10031-22-8 |
| Acetoxytributylplumbane | | 2587-82-8 |
| Hexaphenyldiplumbane | | 3124-01-4 |
| Docosanoic acid, lead salt | | 3249-61-4 |
| Trilead diarsenate | | 3687-31-8 |
| Acetoxytrimethylplumbane | | 5711-19-3 |
| Lead disulphide | | 12137-74-5 |
| Trilead dioxide phosphonate | | 12141-20-7 |
| Tetralead trioxide sulphate | | 12202-17-4 |
| Lead chloride oxide | | 12205-72-0 |
| Antimony, compound with lead (1:1) | | 12266-38-5 |
| Lead hydroxide nitrate | | 12268-84-7 |
| (maleato)trioxotetralead | | 12275-07-9 |
| Potassium pentadecaoxodiplumbatepentaniobate(1-) | | 12372-45-1 |
| Dihydroxy[styphnato(2-)]dilead | | 12403-82-6 |
| Lead germanate | | 12435-47-1 |
| Dioxobis(stearato)trilead | | 12578-12-0 |
| Lead titanium zirconium oxide | | 12626-81-2 |
| Lead chromate molybdate sulfate red | This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605. | 12656-85-8 |
| Lead tungsten oxide | | 12737-98-3 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Lead oxide sulfate | | 12765-51-4 |
| Citric acid, lead salt | | 14450-60-3 |
| Lead acrylate | | 14466-01-4 |
| Lead metaborate | | 14720-53-7 |
| Lead 2,4,6-trinitro-m-phenylene dioxide | | 15245-44-0 |
| Bis(pentane-2,4-dionato-O,O')lead | | 15282-88-9 |
| Lauric acid, lead salt | | 15306-30-6 |
| Lead oleate | | 15347-55-4 |
| Lead acetate | | 15347-57-6 |
| Octanoic acid, lead salt | | 15696-43-2 |
| Dilead chromate oxide | | 18454-12-1 |
| Lead dilactate | | 18917-82-3 |
| Lead bis(dimethyldithiocarbamate) | | 19010-66-3 |
| Lead maleate | | 19136-34-6 |
| Lead palmitate | | 19528-55-3 |
| 5,5,13,13-tetradehydro-4,5-dihydro-4,8,10,15-tetranitro-7,11-metheno-11H,13H-tetrazolo[1,5-c][1,7,3,5,2,6]dioxadiazadiplumbacyclododecine | | 19651-80-0 |
| Lead hydroxide | | 19783-14-3 |
| Phosphorodithioate O,O-bis(1,3-dimethylbutyl), lead salt | | 20383-42-0 |
| Myristic acid, lead salt | | 20403-41-2 |
| Decanoic acid, lead salt | | 20403-42-3 |
| Lead cyanamidate | | 20890-10-2 |
| Lead 2,4-dihydroxybenzoate | | 20936-32-7 |
| Lead silicate | | 22569-74-0 |
| Disodium lead N,N'-ethylenebis[N-(carboxylatomethyl)aminoacetate] | | 22904-40-1 |
| 3,5,5-trimethylhexanoic acid, lead salt | | 23621-79-6 |
| Lead carbonate | | 25510-11-6 |
| Lead diiodate | | 25659-31-8 |
| Lead hexafluorosilicate | | 25808-74-6 |
| Thiosulphuric acid, lead salt | | 26265-65-6 |
| Neodecanoic acid, lead salt | | 27253-28-7 |
| Isononanoic acid, lead salt | | 27253-41-4 |
| Sulphuric acid, lead salt Pbx SO4 | | 15739-80-7 |
| Lead disalicylate | | 15748-73-9 |
| Lead(2+) decanoate | | 15773-52-1 |
| Lead dihexanoate | | 15773-53-2 |
| Lead dilaurate | | 15773-55-4 |
| Lead dipalmitate | | 15773-56-5 |
| Lead hydrogenorthophosphate | | 15845-52-0 |
| Lead(2+) tellurium trioxide | | 15851-47-5 |
| Lead silicate | | 15906-71-5 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Lead benzoate | | 15907-04-7 |
| Lead phosphite | | 16038-76-9 |
| Lead phthalate | | 16183-12-3 |
| Diantimony lead tetroxide | | 16450-50-3 |
| 2-ethylhexanoic acid, lead salt | | 16996-40-0 |
| (9Z,12Z)-octadeca-9,12-dienoic acid, lead salt | | 16996-51-3 |
| Lead(II) maleate | | 17406-54-1 |
| Bis(diethyldithiocarbamato-S,S')lead | | 17549-30-3 |
| Cyclo-di-μ-oxo(μ-phthalato)trilead | | 17976-43-1 |
| Lead(2+) (R)-12-hydroxyoleate | | 13094-04-7 |
| Lead(2+) 2,4-dinitroresorcinolate | | 13406-89-8 |
| Lead diazide | | 13424-46-9 |
| Dilead pyrophosphate | | 13453-66-2 |
| Lead thiosulphate | | 13478-50-7 |
| Diantimony trilead octaoxide | | 13510-89-9 |
| Lead diperchlorate | | 13637-76-8 |
| Lead fumarate | | 13698-55-0 |
| Lead disulphamidate | | 13767-78-7 |
| Lead bis(tetrafluoroborate) | | 13814-96-5 |
| Lead nitrite | | 13826-65-8 |
| Lead(2+) tellurium tetraoxide | | 13845-35-7 |
| Lead(2+) sebacate | | 29473-77-6 |
| Lead didocosanoate | | 29597-84-0 |
| Lead dimyristate | | 32112-52-0 |
| Lead dilinoleate | | 33627-12-2 |
| Lead dibromate | | 34018-28-5 |
| Lead(II) methylthiolate | | 35029-96-0 |
| Lead cyanamide | | 35112-70-0 |
| Orthoboric acid, lead(2+) salt | | 35498-15-8 |
| Lead bis(3,5,5-trimethylhexanoate) | | 35837-70-8 |
| Lead bis(dipentyldithiocarbamate) | | 36501-84-5 |
| Dilead diruthenium hexaoxide | | 37194-88-0 |
| Dilead dirhodium heptaoxide | | 37240-96-3 |
| Lead isophthalate | | 38787-87-0 |
| Lead chloride silicate | | 39390-00-6 |
| Lead bis(2,4-dihydroxybenzoate) | | 41453-50-3 |
| Lead bis(piperidine-1-carbodithioate) | | 41556-46-1 |
| Lead propionate | | 42558-73-6 |
| Sulphuric acid, barium lead salt | | 42579-89-5 |

| Substance name | Description | CAS No. |
|---|---|---|
| Frits, chemicals | Frit is a mixture of inorganic chemical substances produced by rapidly quenching a molten, complex combination of materials, confining the chemical substances thus manufactured as nonmigratory components of glassy solid flakes or granules. This category includes all of the chemical substances specified below when they are intentionally manufactured in the production of frit. The primary members of this category are oxides of some or all of the elements listed below. Fluorides of these elements may also be included in combination with these primary substances.@Aluminum@Manganese@Antimony@Molybdenum@Arsenic@Neodymium@Barium@Nickel@Bismuth@Niobium@Boron@Phosphorus@Cadmium@Potassium@Calcium@Silicon@Cerium@Silver@Chromium@Sodium@Cobalt@Strontium@Copper@Tin@Gold@Titanium@Iron@Tungsten@Lanthanum@Vanadium@Lead@Zinc@Lithium@Zirconium@Magnesium | 65997-18-4 |
| Petrolatum (petroleum), oxidized, lead salt | | 67674-14-0 |
| Dilead silicate sulphate | | 67711-86-8 |
| Fatty acids, C12-18, lead salts | | 68131-60-2 |
| Lead, 2-ethylhexanoate tall-oil fatty acids complexes | | 68187-37-1 |
| Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped | | 68332-81-0 |
| Fatty acids, C8-10-branched, lead salts, basic | | 68409-79-0 |
| Lead oxide (PbO), lead-contg. | | 68411-78-9 |
| Oils, menhaden, lead salts | | 68424-76-0 |
| [phthalato(2-)]dioxotrilead | | 69011-06-9 |
| Trilead chromate silicate | | 69011-07-0 |
| Lead alloy, base, dross | A scum formed on the surface of molten lead-base alloys. Includes those cases in which aluminum is used to remove arsenic, nickel and antimony. | 69011-59-2 |
| Lead alloy, base, Pb,Sn, dross | Oxides formed during melting, refining, and casting of solders. Major constituents are oxides of tin, lead and antimony; minor constituents are iron, nickel, sulfur, arsenic, copper and silver. | 69011-60-5 |
| Flue dust, lead-tin alloy-manufg. | Volatilized metals generated during smelting and refining of tin-lead alloys. Consists primarily of oxides of lead and tin. | 69012-60-8 |
| Flue dust, zinc-refining | By-product of refining of zinc ores consisting primarily of zinc, lead and iron. | 69012-63-1 |

| Substance name | Description | CAS No. |
|---|---|---|
| Leach residues, zinc ore-calcine, zinc cobalt | Residue from treatment of calcined zinc ore concentrates with antimony trioxide, zinc dust, lead oxide and copper sulfate. Consists primarily of zinc and a composite of metallics: cobalt, copper and lead. | 69012-72-2 |
| Lead, dross, antimony-rich | A scum or slag formed on the surface of molten lead during the process of removing antimony along with arsenic by oxidation with air. It consists of antimony, arsenic and lead oxides. | 69029-45-4 |
| Lead, dross, bismuth-rich | A scum formed on the surface of molten lead during the process of removing bismuth by the addition of calcium and magnesium. It consists of lead containing calcium and magnesium bismuthides. | 69029-46-5 |
| Dore | Gold and silver bullion. | 69029-47-6 |
| Lead, antimonial, dross | A scum formed on the surface of antimonial lead. Consists primarily of sodium arsenate and sodium antimonate with some lead oxide and free caustic soda. | 69029-51-2 |
| Lead, dross | | 69029-52-3 |
| Lead oxide (PbO), retort | Oxidation product of metals in lead refinery retort. Consists primarily of oxides of lead, antimony and zinc. | 69029-53-4 |
| Slags, lead reverbatory smelting | By-product from the smelting of lead ores, scrap lead or lead smelter dross. Consists primarily of oxides and silicates of antimony and lead. | 69029-58-9 |
| Zinc, desilverizing skims | Crusts formed on the surface of cooling molten lead during the desilverizing of lead. | 69029-60-3 |
| Bismuth, refinery lead chloride residues | By-product of the refining of bismuth. Principally lead chloride with salts and compounds of various metals. | 69029-61-4 |
| Flue dust, lead-refining | By-product of refining lead ores obtained from baghouse and electro-static precipitator and as slurry from scrubbers. | 69029-67-0 |
| Leach residues, lead slag | Residues from leaching slag from a lead refinery with caustic soda and sulfuric acid. Consists primarily of sodium sulfate, tellurium compounds and lead sulfate. | 69029-71-6 |
| Leach residues, precious metal recovery lead refining | Salt extract from the treatment of speiss refining residue with aqua regia followed by alkali fusion. Consists of precious metals and their salts. | 69029-72-7 |
| Calcines, lead ore conc. | Sinter formed by heating finely divided lead concentrates and fluxes to a softening condition to agglomerate without fusion. | 69029-74-9 |
| Residues, lead roaster | Roaster hearth cleanings or barrings from lead refining. Consist primarily of cadmium, thallium and lead and oxides of cadmium, thallium, calcium and arsenic. | 69029-78-3 |
| Residues, lead smelting | Residues from processing equipment used in a lead refinery. Consist primarily of lead and lead oxide. | 69029-79-4 |

| Substance name | Description | CAS No. |
|---|---|---|
| Residues, precious metal recovery lead refining | Residues from treating lead refinery ores and residues containing precious metals with sodium boroplumbate followed by thermal fusion. | 69029-80-7 |
| Slags, lead smelting | Slag formed as the feed progresses through the blast furnace in lead smelting. Consists primarily of metallic elements and oxides of calcium, magnesium and silicon. | 69029-84-1 |
| Slags, precious metal recovery lead refining | Inorganic slags produced from treatment of calcined scrap metals and oxides with borax, litharge and sodium carbonate followed by fusion. | 69029-85-2 |
| Slags, tellurium | Product of treating molten lead with sodium salts. Consists primarily of sodium-tellurium salts in various states of oxidation. | 69029-86-3 |
| Slimes and Sludges, lead refining | Product of neutralizing lead refining wastes to precipitate heavy metals. | 69029-93-2 |
| Lead, dross, copper-rich | A scum formed on the surface of molten copper. | 69227-11-8 |
| Lead, C6-19-branched carboxylate naphthenate complexes | | 70084-67-2 |
| Lead(2+) nitroresorcinolate | | 70268-38-1 |
| Lead, decanoate octanoate complexes | | 70321-55-0 |
| Lead, alkyls, manufg. wastes | | 70513-89-2 |
| Flue dust, lead blast furnace | | 70514-05-5 |
| Slimes and Sludges, lead sinter dust scrubber | | 70514-37-3 |
| Lead(2+) isooctadecanoate | | 70727-02-5 |
| Lead(2+) neodecanoate | | 71684-29-2 |
| Lead(II) fumarate | | 71686-03-8 |
| Hydroxy(neodecanoato-O)lead | | 71753-04-3 |
| Lead bis(nonylphenolate) | | 72586-00-6 |
| Fatty acids, C9-11-branched, lead salts | | 81412-57-9 |
| Lead, C5-23-branched carboxylate C4-10-fatty acid naphthenate complexes | | 83711-45-9 |
| 1,4-Dichlorobenzene | | 106-46-7 |
| Inorganic ammonium salts | | - |
| Ethanedioic acid, ammonium iron(3+) salt (3:3:1), trihydrate | | 13268-42-3 |
| Sulfuric acid, ammonium iron(3+) salt (2:1:1), dodecahydrate | | 7783-83-7 |
| Titanate(2-), bis[ethanedioato(2-)-O,O']oxo-, diammonium, monohydrate, (SP-5-21)- | | 10580-03-7 |
| Struvite [(NH4)Mg(PO4).6H2O] | | 15490-91-2 |
| Vanadate(3-), hexafluoro-, triammonium salt | | 13815-31-1 |
| Vanadate (V10O286-), ammonium (1:6) | | 12208-00-3 |
| Cryptohalite | | 1309-32-6 |
| 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, ammonium iron salt, hydrate | | 1332-98-5 |

| Substance name | Description | CAS No. |
|---|---|---|
| Mixtures of a permanganate with an ammonium salt | | 13446-10-1 |
| Phosphoric acid, ammonium cadmium salt (1:1:1) | | 14520-70-8 |
| Ammonium magnesium arsenate | | 14644-70-3 |
| Sulfuric acid, aluminum ammonium salt (2:1:1), tetracosahydrate | | 14725-69-0 |
| Nickelate(1-), trichloro-, ammonium, hexahydrate | | 16122-03-5 |
| Ammonium borate | | 22694-75-3 |
| Selenious acid, ammonium salt (2:1) | | 25425-97-2 |
| Boric acid (H3BO3), ammonium salt | | 27522-09-4 |
| Sulfuric acid, ammonium magnesium salt (3:2:2) | | 27733-50-2 |
| azanium;lanthanum(3+);tetranitrate | | 31178-09-3 |
| Ammonium tetrathiotungstate [(NH4)2WS4] | | 13862-78-7 |
| Molybdate(2-), tetrathioxo-, diammonium, (T-4)- | | 15060-55-6 |
| Ammonium chromic sulfate dodecahydrate | | 10022-47-6 |
| Nickel ammonium sulfate hexahydrate | | 7785-20-8 |
| Nitric acid, ammonium cerium(4+) salt (6:2:1) | | 10139-51-2 |
| Ammonium lanthanum nitrate | | 10169-00-3 |
| Aluminate(2-), difluoro[phosphato(3-)-κO]-, ammonium hydrogen (1:1:1) | | - |
| Ferrate(2-), difluoro[phosphato(3-)-κO]-, ammonium hydrogen (1:1:1) | | - |
| Stannate(1-), trifluoro-, ammonium (9CI) | | 15660-29-4 |
| Ammonium cerous sulfate tetrahydrate | | 10049-02-2 |
| Chromate(1-), bis(benzenamine)tetrakis(thiocyanato-N)-, ammonium (9CI) | | 10380-20-8 |
| Ammonium paratungstate hexahydrate | | 12208-54-7 |
| Ammonium phosphotungstenate, trihydrate | | 12704-02-8 |
| Ammonium 12-tungstophosphate | | 1311-90-6 |
| Ferrate(3-), hexafluoro-, triammonium salt | | 13815-28-6 |
| Platinate(1-), amminetrichloro-, ammonium, (SP-4-2)- | | 13820-94-5 |
| Ammonium hexafluorogallate | | 14639-94-2 |
| Cobalt ammonium complex | | 14695-95-5 |
| Nitric acid, ammonium cerium(3+) salt (5:2:1) | | 15318-60-2 |
| Tungstate(2-), dioxodithioxo-, diammonium (9CI) | | 16150-61-1 |
| Triammonium uranyl pentafluoride | | 12062-03-2 |

| Substance name | Description | CAS No. |
|---|---|---|
| Chromate(1-), diamminetetrakis(isothiocyanato)-, ammonium, hydrate | | 19441-09-9 |
| Ferrate(2-), [N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinato(3-)]-, ammonium hydrogen | | 19529-40-9 |
| Vitaferro | | 19864-63-2 |
| Sulfuric acid, ammonium cerium(3+) salt (2:1:1) | | 21995-38-0 |
| Arsonic acid, methyl-, monoammonium salt | | 2321-53-1 |
| Carbonic acid, ammoniumplutonium salt (8CI) | | 24917-46-2 |
| Uranic acid, diammonium salt, hydrate | | 28347-83-3 |
| 1-Heptene-1-arsonic acid, 2-chloro-, monoammonium salt | | 300-88-9 |
| Molybdate(2-),tetrafluorodioxo-, diammonium (8CI,9CI) | | 30291-63-5 |
| Ammonium ferrocyanide trihydrate | | 32108-79-5 |
| Ammonium Tetrachloroaluminate, NH4AlCl4 | | 7784-14-7 |
| Ammonium ferric chromate | | 7789-08-4 |
| Sulfuric acid, ammonium sodium salt, dihydrate | | 7783-10-0 |
| Sulfuric acid, ammonium zinc salt (2:2:1), hexahydrate | | 7783-24-6 |
| Sulfuric acid, ammonium magnesium salt (2:2:1), hexahydrate | | 7785-18-4 |
| Ammonium molybdate(VI) | | 13106-76-8 |
| Diammonium tetraoxotellurate | | 13453-06-0 |
| Ammonium dihydrogenarsenate | | 13462-93-6 |
| Ammonium chromium bis(sulphate) | | 13548-43-1 |
| Diammonium lanthanum pentanitrate | | 13566-21-7 |
| Diammonium manganese bis(sulphate) | | 13566-22-8 |
| Ammonium diamminetetrakis(thiocyanato-N)chromate(1-) | | 13573-16-5 |
| Diammonium copper(2+) disulphate | | 13587-25-2 |
| Diammonium cobalt bis(sulphate) | | 13596-46-8 |
| Ammonium perrhenate | | 13598-65-7 |
| Diammonium gadolinium pentanitrate | | 13628-49-4 |
| Ammonium calcium trinitrate | | 13780-11-5 |
| Diammonium zinc disulphate | | 13814-87-4 |
| Diammonium tetrachloropalladate | | 13820-40-1 |
| Diammonium tetrachloroplatinate | | 13820-41-2 |
| Diammonium pentachloronitrosylruthenate | | 13820-58-1 |
| Bis(acetato-O)diamminecopper | | 13822-80-5 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Ammonium tetrafluoroborate | | 13826-83-0 |
| Sulphuric acid, ammonium cerium salt | | 13840-04-5 |
| Ammonium pentafluorozirconate(1-) | | 13859-62-6 |
| Ammonium sodium sulphate | | 13863-45-1 |
| Prussian blue | | 14038-43-8 |
| Triammonium trioxalatoferrate | | 14221-47-7 |
| Triammonium hexacyanoferrate | | 14221-48-8 |
| Chromic acid, ammonium salt | | 14445-91-1 |
| Tetraammonium hexacyanoferrate | | 14481-29-9 |
| Ammonium cobalt phosphate | | 14590-13-7 |
| Ammonium iron tartrate | | 14635-18-8 |
| Diammonium cerium(4+) trisulphate | | 14638-69-8 |
| Diammonium tetrachlorozincate(2-) | | 14639-97-5 |
| Triammonium pentachlorozincate(3-) | | 14639-98-6 |
| Diammonium magnesium bis(sulphate) | | 14727-95-8 |
| Beryllium diammonium tetrafluoride | | 14874-86-3 |
| Ammonium scandium(3+) disulphate | | 15091-94-8 |
| Nitric acid, ammonium calcium salt | | 15245-12-2 |
| Ammonium trifluorohydroxyborate(1-) | | 15283-48-4 |
| Triammonium hexachlororhodate | | 15336-18-2 |
| Diammonium yttrium pentanitrate | | 15552-06-4 |
| Ammonium manganese phosphate | | 15609-81-1 |
| Diammonium tetrachlorocuprate | | 15610-76-1 |
| Diammonium neodymium pentanitrate | | 15653-40-4 |
| Diammonium tetrabromopalladate(2-) | | 15661-00-4 |
| Ammonium bis(cyano-C)aurate | | 31096-40-9 |
| Ammonium tetrachloroaurate | | 31113-23-2 |
| Citric acid, ammonium bismuth salt | | 31886-41-6 |
| Triammonium tris[carbonato(2-)-O]hydroxyzirconate(3-) | | 32535-84-5 |
| Triammonium triiron tetracitrate | | 52336-55-7 |
| Diammonium tetracyanoplatinate | | 562-79-8 |
| Ammonium potassium tartrate | | 1114-14-3 |
| Ammonium iron(III) citrate | | 1185-57-5 |
| Ammonium bismuth(3+) 2-hydroxypropane-1,2,3-tricarboxylate(2:1:1) | | 6591-52-2 |
| Tetraammonium cerium tetrakis(sulphate) | | 7637-03-8 |
| Ammonium selenite | | 7783-19-9 |
| Ammonium selenate | | 7783-21-3 |
| Diammonium diuranium heptaoxide | | 7783-22-4 |
| Triammonium hexafluoroaluminate | | 7784-19-2 |
| Aluminium ammonium bis(sulphate) | | 7784-25-0 |
| Diammonium hydrogenarsenate | | 7784-44-3 |
| Ammonium chromate | | 7788-98-9 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Ammonium dichromate | | 7789-09-5 |
| Ammonium trioxovanadate | | 7803-55-6 |
| Diammonium iron bis(sulphate) | | 10045-89-3 |
| Ammonium iron phosphate | | 10101-60-7 |
| Ammonium manganese(3+) diphosphate | | 10101-66-3 |
| Ammonium iron bis(sulphate) | | 10138-04-2 |
| Diammonium dioxalato(oxo)titanate | | 10580-02-6 |
| Ammonium wolframate | | 11120-25-5 |
| Diammonium tetraborate | | 12007-58-8 |
| Hexaammonium heptamolybdate | | 12027-67-7 |
| Ammonium wolframate | | 12028-06-7 |
| Tetramanganese nitride | | 12033-07-7 |
| Diammonium hexachlororhenate | | 12051-87-5 |
| Tetraammonium disodium vanadate | | 12055-09-3 |
| Triammonium iron(3+) trioxalate | | 2944-67-4 |
| Diammonium nickel bis(sulphate) | | 15699-18-0 |
| Triammonium hexachloroiridate | | 15752-05-3 |
| Diammonium hexanitratocerate | | 16774-21-3 |
| Ammonium hexafluorosilicate | | 16919-19-0 |
| Ammonium hexafluorozirconate | | 16919-31-6 |
| Diammonium hexachloroplatinate | | 16919-58-7 |
| Diammonium hexachlorostannate | | 16960-53-5 |
| Ammonium hexafluorotitanate | | 16962-40-6 |
| Ammonium hexafluorogermanate(4) | | 16962-47-3 |
| Triammonium heptafluorozirconate(3-) | | 17250-81-6 |
| Ammonium hexabromoplatinate | | 17363-02-9 |
| Tetraammonium uranyl tricarbonate, of uranium depleted in uranium-235 | | 18077-77-5 |
| Citric acid , ammonium nickel salt | | 18283-82-4 |
| Diammonium hexachlororuthenate | | 18746-63-9 |
| Diammonium hexachloropalladate | | 19168-23-1 |
| Diammonium hexakis(thiocyanato)platinate | | 19372-45-3 |
| Diammonium oxobis[sulphato(2-)-O]titanate(2-) | | 19468-86-1 |
| Sulphuric acid, ammonium magnesium salt | | 20861-69-2 |
| Ammonium samarium(3+) disulphate | | 21995-29-9 |
| Ammonium europium(3+) disulphate | | 21995-30-2 |
| Ammonium gadolinium(3+) disulphate | | 21995-31-3 |
| Ammonium lanthanum(3+) disulphate | | 21995-32-4 |
| Ammonium praseodymium(3+) disulphate | | 21995-33-5 |
| Ammonium neodymium(3+) disulphate | | 21995-34-6 |
| Ammonium iron tetrachloride | | 24411-12-9 |
| Diammonium hexabromoosmate(2-) | | 24598-62-7 |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| Ammonium nickel trichloride | | 24640-21-9 |
| Acetic acid, ammonium zinc salt | | 24846-92-2 |
| Diammonium aquapentachlororuthenate | | 25461-53-4 |
| Ammonium bismuth citrate | | 25530-63-6 |
| Triammonium diaquaoctachloro-μ-nitridodiruthenate(3-) | | 27316-90-1 |
| Diammonium hexachloroosmate | | 12125-08-5 |
| Ammonium trivanadium octaoxide | | 12207-63-5 |
| Diammonium tetratungsten tridecaoxide | | 12398-61-7 |
| Tetraammonium hexamolybdate | | 12411-64-2 |
| 4,4'-isopropylidenediphenol | | 80-05-7 |
| C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); henicosafluoroundecanoic acid (PFUnDA); tricosafluorododecanoic acid (PFDoDA); pentacosafluorotridecanoic acid (PFTrDA); heptacosafluorotetradecanoic acid (PFTDA); including their salts and precursors | | - |
| Tricosafluorododecanoic acid | | 307-55-1 |
| Nonadecafluorodecanoic acid | | 335-76-2 |
| Pentacosafluorotridecanoic acid | | 72629-94-8 |
| Heptacosafluorotetradecanoic acid | | 376-06-7 |
| Henicosafluoroundecanoic acid | | 2058-94-8 |
| Perfluorononan-1-oic acid | | 375-95-1 |
| Methanol | | 67-56-1 |
| Octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane (D5) | | - |
| Octamethylcyclotetrasiloxane | | 556-67-2 |
| Decamethylcyclopentasiloxane | | 541-02-6 |
| 1-methyl-2-pyrrolidone | | 872-50-4 |
| The following substances which are classified as carcinogenic, mutagenic or toxic for reproduction, category 1A or 1B (See group members) [Entry 72] | | - |
| (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silanetriol and any of its mono-, di- or tri-O-(alkyl) derivatives | | - |
| Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane | | 51851-37-7 |
| Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane | | 85857-16-5 |
| Diisocyanates | | - |

# Annex XVII Restricted

| Substance name | Description | CAS No. |
|---|---|---|
| 4,4’-Methylenediphenyl diisocyanate | | 101-68-8 |
| 2,4,6-triisopropyl-m-phenylene diisocyanate | | 2162-73-4 |
| 2,2’-Methylenediphenyl diisocyanate | | 2536-05-2 |
| 1,3-bis(1-isocyanato-1-methylethyl)benzene | | 2778-42-9 |
| 1,5-naphthylene diisocyanate | | 3173-72-6 |
| 1,3-bis(isocyanatomethyl)benzene | | 3634-83-1 |
| 3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate | | 91-97-4 |
| 4,4'-methylenedicyclohexyl diisocyanate | | 5124-30-1 |
| 2,4’-Methylenediphenyl diisocyanate | | 5873-54-1 |
| m-tolylidene diisocyanate | | 26471-62-5 |
| 4-methyl-m-phenylene diisocyanate | | 584-84-9 |
| Hexamethylene diisocyanate | | 822-06-0 |
| 2-methyl-m-phenylene diisocyanate | | 91-08-7 |
| 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate | | 4098-71-9 |
| Substances in tattoo inks and permanent make up | | - |
| N,N-dimethylformamide | | 68-12-2 |
| Formaldehyde and formaldehyde releasers | | 50-00-01 |
| Synthetic polymer microparticles | | |
| Sodium undecafluorohexanoate | | 2923-26-4 |
| Undecafluorohexanoic acid and its ammonium salt | | |
| N,N-dimethylacetamide (DMAC) | | 127-19-5 |
| 1-ethylpyrrolidin-2-one (NEP) | | 2687-91-4 |
| Per- and polyfluoroalkyl substances (PFAS) | Substances that contain at least one aliphatic -CF2- or -CF3- element | Group Listing |

# RoHS

| Restricted Substance | Threshold |
|---|---|
| Cadmium (Cd) | < 100 ppm |
| Lead (Pb) | < 1000 ppm |
| Mercury (Hg) | < 1000 ppm |
| Hexavalent Chromium (Cr VI) | < 1000 ppm |
| Polybrominated Biphenyls (PBB) | < 1000 ppm |
| Polybrominated Diphenyl Ethers (PBDE) | < 1000 ppm |
| Bis(2-Ethylhexyl) phthalate (DEHP) | < 1000 ppm |
| Benzyl butyl phthalate (BBP) | < 1000 ppm |
| Dibutyl phthalate (DBP) | < 1000 ppm |
| Diisobutyl phthalate (DIBP) | < 1000 ppm |

# POP List

| Name | casnumber |
|---|---|
| Endosulfan and its isomers | - |
| alpha-Endosulfan | 959-98-8 |
| Endosulfan | 115-29-7 |
| beta-Endosulfan | 33213-65-9 |
| Heptabromodiphenyl ether | - |
| Diphenyl ether, heptabromo derivative | 68928-80-3 |
| Hexabromocyclododecane (HBCDD) | - |
| Hexabromocyclododecane | 25637-99-4 |
| 1,2,5,6,9,10-hexabromocyclodecane | 3194-55-6 |
| alpha-hexabromocyclododecane | 134237-50-6 |
| beta-hexabromocyclododecane | 134237-51-7 |
| gamma-hexabromocyclododecane | 134237-52-8 |
| Hexabromodiphenyl ether | - |
| Diphenyl ether, hexabromo derivative | 36483-60-0 |
| 2,2',3,4,4',5'-Hexabromodiphenyl ether | 182677-30-1 |
| Hexachlorocyclohexanes, including lindane | - |
| (1α,2α,3β,4α,5β,6β)-1,2,3,4,5,6-hexachlorocyclohexane | 319-84-6 |
| γ-HCH or γ-BHC | 58-89-9 |
| BHC or HCH | 608-73-1 |
| (1α,2β,3α,4β,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane | 319-85-7 |
| Pentabromodiphenyl ether | |
| Diphenyl ether, pentabromo derivative | 32534-81-9 |
| 2,3',4,4',6-Pentabromodiphenyl ether | 189084-66-0 |
| 2,2',3,4,4'-Pentabromodiphenyl ether | 182346-21-0 |
| Pentachlorophenol and its salts and esters | - |
| Perchlorophenyl 5-oxo-L-prolinate | 28990-85-4 |
| N2-benzyl pentachlorophenyl N2-carboxy-L-(2-aminoglutaramate) | 13673-51-3 |
| Perchlorophenyl N-(benzyloxycarbonyl)-L-isoleucinate | 13673-53-5 |
| Perchlorophenyl S-benzyl-N-(benzyloxycarbonyl)-L-cysteinate | 13673-54-6 |
| Pentachlorophenyl N-[[(4-methoxyphenyl)methoxy]carbonyl]-L-serinate | 23234-97-1 |
| Pentachlorophenol salts | - |
| Sodium pentachlorophenolate | 131-52-2 |
| Potassium pentachlorophenolate | 7778-73-6 |
| Zinc bis(pentachlorophenolate) | 2917-32-0 |
| Pentachlorophenyl laurate | 3772-94-9 |
| Pentachlorophenol esters | - |
| Pentachlorophenol | 87-86-5 |
| Perfluorooctane sulfonic acid and its derivatives (PFOS) C8F17SO2X, (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers) | - |
| perfluorooctanoic acid (PFOA), its salts and PFOA-related substances | - |
| Butanoic acid, 3,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-2-(trifluoromethyl)- | 1882109-59-2 |
| Hexanoic acid, 2,2,4,4,5,5,6,6,6-nonafluoro-3,3-bis(trifluoromethyl)- | 1812247-20-3 |
| Hexanoic acid, 2,3,4,4,5,5,6,6,6-nonafluoro-2,3-bis(trifluoromethyl)- | 1812247-18-9 |
| Hexanoic acid, 2,2,3,3,4,5,6,6,6-nonafluoro-4,5-bis(trifluoromethyl)- | 1144512-36-6 |
| Hexanoic acid, 2,2,3,3,4,4,6,6,6-nonafluoro-5,5-bis(trifluoromethyl)- | 1144512-34-4 |

# POP List

| Name | casnumber |
|---|---|
| Heptanoic acid, 2,2,3,3,4,4,5,6,6,7,7,7-dodecafluoro-5-(trifluoromethyl)- | 909009-42-3 |
| Heptanoic acid, 2,3,3,4,4,5,5,6,6,7,7,7-dodecafluoro-2-(trifluoromethyl)- | 207678-51-1 |
| Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)- | 35605-76-6 |
| Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1) | 98241-25-9 |
| Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- | 27854-31-5 |
| 2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro- | 70887-84-2 |
| 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(dihydrogen phosphate) | 57678-03-2 |
| Hexanoic acid, 2,3,3,4,4,5,6,6,6-nonafluoro-2,5-bis(trifluoromethyl)- | 1882109-80-9 |
| 1-Propanaminium,N,N,N-trimethyl-3- [(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl) amino]-, chloride (1:1) | 53517-98-9 |
| 1-Propanesulfonic acid,3-[ethyl (2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]-,sodium salt (1:1) | 89685-61-0 |
| Phosphine, tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]- | 325459-92-5 |
| Palladium, dichlorobis[tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphine-κP]- | 326475-46-1 |
| Butanoic acid, 3,3,4,4,4-pentafluoro-2,2-bis(1,1,2,2,2-pentafluoroethyl)- | 1882109-58-1 |
| Hexanoic acid, 2,3,3,4,5,5,6,6,6-nonafluoro-2,4-bis(trifluoromethyl)- | 1812247-19-0 |
| Hexanoic acid, 3,3,4,4,5,5,6,6,6-nonafluoro-2,2-bis(trifluoromethyl)- | 1812247-17-8 |
| Hexanoic acid, 2,2,3,3,5,5,6,6,6-nonafluoro-4,4-bis(trifluoromethyl)- | 1192593-79-5 |
| Hexanoic acid, 2,2,3,4,4,5,6,6,6-nonafluoro-3,5-bis(trifluoromethyl)- | 1144512-35-5 |
| Heptanoic acid, 2,2,3,3,4,5,5,6,6,7,7,7-dodecafluoro-4-(trifluoromethyl)- | 1144512-18-4 |
| Heptanoic acid, 2,2,3,4,4,5,5,6,6,7,7,7-dodecafluoro-3-(trifluoromethyl)- | 705240-04-6 |
| Isooctanoic acid, pentadecafluoro- | 123116-17-6 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)- | 15166-06-0 |
| Octadecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester | 99955-83-6 |
| Pentanedioic acid, 3-[2-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy]-2-oxoethyl]-3-hydroxy-, 1,5-bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) ester | 302911-86-0 |
| 1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C4–10-alkyl)thio]methyl] derivatives, phosphates, ammonium salts | 148240-85-1 |
| 1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C6–12-alkyl)thio]methyl] derivatives, phosphates, ammonium salts | 148240-87-3 |
| 1,3-Propanediol, 2,2-bis[[(γ-ω-perfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts | 148240-89-5 |
| Oxirane, methyl-, polymer with oxirane, mono[2-hydroxy-3-[( γ-ω-perfluoro-C8-20-alkyl)thio]propyl] ethers | 183146-60-3 |
| Pentanoic acid, 4,4-bis[(γ-ω-perfluoro-C8-20-alkyl)thio]derivs., compds. with diethanolamine | 71608-61-2 |
| 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethyl methacrylate, Me methacrylate and γ-ω-perfluoro-C8-14-alkyl acrylate | 129783-45-5 |
| 2-Propenoic acid, dodecyl ester, polymers with Bu (1-oxo-2-propenyl)carbamate and γ-ω-perfluoro-C8-14-alkyl acrylate | 144031-01-6 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester, homopolymer | 74049-08-4 |
| 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9, 10,10,10-heptadecafluorodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-methyl-2-propenoate and 3,3,4,4,5,5,6,6, 7,7,8,8,8-tridecafluorooctyl 2-methyl-2-propenoate | 65104-45-2 |

# POP List

| Name | casnumber |
|---|---|
| 2-Propenoic acid, 2-methyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl ester, polymer with 2-propenoic acid | 53515-73-4 |
| Hexanoic acid, 2,2,3,4,5,5,6,6,6-nonafluoro-3,4-bis(trifluoromethyl)- | 1882109-81-0 |
| Hexanoic acid, 2,2,3,3,4,5,5,6,6,6-decafluoro-4-(1,1,2,2,2-pentafluoroethyl)- | 1882109-79-6 |
| Hexanoic acid, 2,2,3,4,4,5,5,6,6,6-decafluoro-3-(1,1,2,2,2-pentafluoroethyl)- | 1882109-78-5 |
| Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-(1,1,2,2,3,3,3-heptafluoropropyl)- | 1882109-77-4 |
| Pentanoic acid, 2,3,3,4,4,5,5,5-octafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]- | 1882109-76-3 |
| Pentanoic acid, 2,2,3,5,5,5-hexafluoro-3,4,4-tris(trifluoromethyl)- | 1882109-75-2 |
| Pentanoic acid, 2,2,4,5,5,5-hexafluoro-3,3,4-tris(trifluoromethyl)- | 1882109-74-1 |
| Pentanoic acid, 2,3,3,5,5,5-hexafluoro-2,4,4-tris(trifluoromethyl)- | 1882109-73-0 |
| Pentanoic acid, 2,3,4,5,5,5-hexafluoro-2,3,4-tris(trifluoromethyl)- | 1882109-72-9 |
| Pentanoic acid, 2,4,4,5,5,5-hexafluoro-2,3,3-tris(trifluoromethyl)- | 1882109-71-8 |
| Pentanoic acid, 3,3,4,5,5,5-hexafluoro-2,2,4-tris(trifluoromethyl)- | 1882109-70-7 |
| Pentanoic acid, 2,2,3,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)- | 1882109-68-3 |
| Pentanoic acid, 2,2,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)- | 1882109-67-2 |
| Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-3-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)- | 1882109-66-1 |
| Pentanoic acid, 2,3,3,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-4-(trifluoromethyl)- | 1882109-65-0 |
| Pentanoic acid, 2,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-3-(trifluoromethyl)- | 1882109-64-9 |
| Pentanoic acid, 3,3,4,4,5,5,5-heptafluoro-2-(1,1,2,2,2-pentafluoroethyl)-2-(trifluoromethyl)- | 1882109-63-8 |
| Pentanoic acid, 3,4,4,5,5,5-hexafluoro-2,2,3-(trifluoromethyl)- | 1882109-69-4 |
| Butanoic acid, 4,4,4-trifluoro-2,2,3,3-tetrakis(trifluoromethyl)- | 1882109-62-7 |
| Butanoic acid, 2,3,4,4,4-pentafluoro-2-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-3-(trifluoromethyl)- | 1882109-61-6 |
| Butanoic acid, 2,3,3,4,4,4-hexafluoro-2-[2,2,2-trifluoro-1,1-bis(trifluoromethyl)ethyl]- | 1882109-60-5 |
| Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2- pentafluoroethyl)-, ammonium salt (1:1) | 13058-06-5 |
| Hexanoic acid, 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(1,1,2,2,2-pentafluoroethyl)-, sodium salt (1:1) | 1195164-59-0 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (1:1) | 19742-57-5 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, iron salt (1:x) | 61436-04-2 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, potassium salt (1:1) | 29457-73-6 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)- , sodium salt (1:1) | 18017-22-6 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, chromium salt (1:x) | 15739-82-9 |
| Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, aluminum salt (3:1) | 15715-47-6 |
| Bis(perfluorooctyl)phosphinic acid | 40143-79-1 |
| Perfluorohexylperfluorooctyl phosphinate | 610800-34-5 |
| Undecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-tricosafluoro-11-iodo- | 307-50-6 |
| Pentadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-hentriacontafluoro-15-iodo- | 335-79-5 |
| Tridecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-heptacosafluoro-13-iodo- | 376-04-5 |
| Alkyl iodides, C10-12, γ-ω-perfluoro | 68390-33-0 |
| 2-Dodecenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-eicosafluoro- | 70887-94-4 |
| Dodecanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro- | 53826-13-4 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, hexadecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-propenoate | 115592-83-1 |

# POP List

| Name | casnumber |
|---|---|
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, alpha-(2-methyl-1-oxo-2-propenyl)-omega-[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1, 2-ethanediyl), 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-tritriacontafluorooctadecyl 2-propenoate | 116984-14-6 |
| 2-Propenoic acid, 2-methyl-, C10-16-alkyl esters, polymers with 2-hydroxyethylmethacrylate, Me methacrylate and perfluoro-C8-14-alkyl acrylate | 125328-29-2 |
| Perfluorooctylethyldichloromethyl silane | 3102-79-2 |
| Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs., aluminum salts | 93062-53-4 |
| 1,1'-[oxybis[(1-methylethylene)oxy]]bis[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoropentadecan-2-ol] | 93776-00-2 |
| (2-carboxylatoethyl)(dimethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl)amino]propyl]ammonium | 93776-12-6 |
| (2-carboxylatoethyl)[3-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl)amino]propyl]dimethylammonium | 93776-13-7 |
| (2-carboxylatoethyl)(dimethyl)[[[4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl]amino]propyl]mmonium | 93776-15-9 |
| Diammonium 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl phosphate | 93857-44-4 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafluoro-17-(trifluoromethyl)octadecyl acrylate | 94158-63-1 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafluoro-15-(trifluoromethyl)hexadecyl methacrylate | 94158-64-2 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,18,18,18-dotriacontafluoro-17-(trifluoromethyl)octadecyl methacrylate | 94158-65-3 |
| 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl dihydrogen phosphate | 94158-70-0 |
| 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoropentadecan-2-ol | 94159-79-2 |
| 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluorotridecan-2-ol | 94159-80-5 |
| 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-14-(trifluoromethyl)pentadecan-2-ol | 94159-82-7 |
| 1-[[3-(dimethylamino)propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-12-(trifluoromethyl)tridecan-1-ol | 94159-83-8 |
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl phosphate | 94200-45-0 |
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafluoro-2-hydroxytridecyl phosphate | 94200-46-1 |
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafluoro-2-hydroxypentadecyl phosphate | 94200-47-2 |
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafluoro-2-hydroxyheptadecyl phosphate | 94200-48-3 |
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl phosphate | 94200-50-7 |
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate | 94200-51-8 |

# POP List

| Name | casnumber |
|---|---|
| Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafluoro-2-hydroxy-16-(trifluoromethyl)heptadecyl phosphate | 94200-52-9 |
| Carbamic acid, [2-(sulfothio)ethyl]-, C-(γ-ω-perfluoro-C6-9-alkyl) esters, monosodium salts | 95370-51-7 |
| Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)silane | 101947-16-4 |
| 1H,1H,2H,2H-Perfluorodecyltrichlorosilane | 78560-44-8 |
| Trimethoxy(1H,1H,2H,2H-heptadecafluorodecyl)silane | 83048-65-1 |
| Perfluorooctylethyldimethylchlorosilane | 74612-30-9 |
| 1-bromohenicosafluorodecane | 307-43-7 |
| 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-12-iodododecane | 307-60-8 |
| Nonacosafluoro-1-iodotetradecane | 307-63-1 |
| Pentadecafluorooctyl fluoride | 335-66-0 |
| Pentadecafluorooctanoic acid | 335-67-1 |
| Silver(1+) perfluorooctanoate | 335-93-3 |
| Sodium pentadecafluorooctanoate | 335-95-5 |
| Methyl perfluorooctanoate | 376-27-2 |
| Henicosafluoro-10-iododecane | 423-62-1 |
| Heptadecafluoro-1-iodooctane | 507-63-1 |
| Icosafluoro-10-iodo-2-(trifluoromethyl)decane | 677-93-0 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecan-1-ol | 678-39-7 |
| Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate | 678-41-1 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecanol | 865-86-1 |
| Nonadecafluoro-9-iodononane | 558-97-4 |
| N-ethylheptadecafluorooctanesulphonamide | 4151-50-2 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecyl methacrylate | 4980-53-4 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecyl methacrylate | 6014-75-1 |
| Bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl] hydrogen phosphate | 1895-26-7 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl methacrylate | 1996-88-9 |
| 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iododecane | 2043-53-0 |
| 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henicosafluoro-12-iododododecane | 2043-54-1 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl methacrylate | 2144-54-9 |
| Potassium perfluorooctanoate | 2395-00-8 |
| Ethyl perfluorooctanoate | 3108-24-5 |
| 1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-tetracosafluoro-12-iodo-2-(trifluoromethyl)dodecane | 3248-61-1 |
| Octacosafluoro-14-iodo-2-(trifluoromethyl)tetradecane | 3248-63-3 |
| Ammonium pentadecafluorooctanoate | 3825-26-1 |
| 3,4-bis[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]benzenesulphonyl chloride | 24216-05-5 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl acrylate | 27905-45-9 |
| 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-14-iodotetradecane | 30046-31-2 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecene | 30389-25-4 |
| 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafluoro-2-hydroxy-16-(trifluoromethyl)heptadecyl acrylate | 16083-78-6 |
| 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl acrylate | 16083-87-7 |

# POP List

| Name | casnumber |
|---|---|
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl acrylate | 17741-60-5 |
| Chromium(3+) perfluorooctanoate | 68141-02-6 |
| Propanamide, 3-[(γ-ω-perfluoro-C4-10-alkyl)thio] derivs. | 68187-42-8 |
| Alkyl iodides, C4-20, γ-ω-perfluoro | 68188-12-5 |
| Fatty acids, C7-13, perfluoro | 68333-92-6 |
| Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs. | 68412-69-1 |
| 2-Propenoic acid, γ-ω-perfluoro-C8-14-alkyl esters | 85631-54-5 |
| 2-Propenoic acid, perfluoro-C8-16-alkyl esters | 85681-64-7 |
| N-(3-aminopropyl)-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide | 85938-56-3 |
| Octanoic acid, pentadecafluoro-, branched | 90480-55-0 |
| Octanoic acid, pentadecafluoro-, branched, ammonium salt | 90480-56-1 |
| Alkyl iodides, C6-18, perfluoro | 90622-71-2 |
| Amides, C7-19, α-ω-perfluoro-N,N-bis(hydroxyethyl) | 90622-99-4 |
| Fatty acids, C7-19, perfluoro | 91032-01-8 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,16,16,16-octacosafluoro-15-(trifluoromethyl)hexadecyl acrylate | 91615-22-4 |
| 1-(carboxylatomethyl)-1-(2-hydroxyethyl)-4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-nonadecafluoro-1-oxodecyl)piperazinium | 71356-38-2 |
| Carboxylic acids, C7-13, perfluoro, ammonium salts | 72968-38-8 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-icosafluoro-11-(trifluoromethyl)dodecyl methacrylate | 74256-14-7 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl methacrylate | 74256-15-8 |
| Heptadecafluoro-1-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]nonene | 84029-60-7 |
| Perfluorooctanoic anhydride | 33496-48-9 |
| 2-carboxyethylbis(2-hydroxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1-oxooctyl)amino]propylammonium hydroxide | 39186-68-0 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecanol | 39239-77-5 |
| N-[3-[bis(2-hydroxyethyl)amino]propyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide | 41358-63-8 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl acrylate | 52956-82-8 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl dihydrogen phosphate | 57678-05-4 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafluorohexadecanol | 60699-51-6 |
| 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl dihydrogen phosphate | 63295-27-2 |
| 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafluoro-2-hydroxy-14-(trifluoromethyl)pentadecyl dihydrogen phosphate | 63295-28-3 |
| 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafluoro-2-hydroxy-16-(trifluoromethyl)heptadecyl dihydrogen phosphate | 63295-29-4 |
| 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafluoro-16-iodohexadecane | 65510-55-6 |
| 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-nonadecafluoro-11-iodoundecane | 65510-56-7 |
| Polychlorinated biphenyls (PCB) | - |
| 2,4,4'-trichlorobiphenyl | 7012-37-5 |
| Nonachloro-1,1'-biphenyl | 53742-07-7 |
| 4,4'-dichlorobiphenyl | 2050-68-2 |
| Decachloro-1,1'-biphenyl | 2051-24-3 |

# POP List

| Name | casnumber |
|---|---|
| 2-chlorobiphenyl | 2051-60-7 |
| 3-chlorobiphenyl | 2051-61-8 |
| 4-chlorobiphenyl | 2051-62-9 |
| 2,2',4,4'-tetrachlorobiphenyl | 2437-79-8 |
| Pentachloro[1,1'-biphenyl] | 25429-29-2 |
| Dichlorobiphenyl | 25512-42-9 |
| Chloro-1,1'-biphenyl | 27323-18-8 |
| Heptachloro-1,1'-biphenyl | 28655-71-2 |
| Tetrachloro(tetrachlorophenyl)benzene | 31472-83-0 |
| 2,2',4,4',6,6'-hexachlorobiphenyl | 33979-03-2 |
| 1,1'-Biphenyl, chloro derivs. | 1336-36-3 |
| Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF) | - |
| Polychlorinated naphthalenes | - |
| Naphthalene, chloro derivs. | 70776-03-3 |
| Polycyclic aromatic hydrocarbons (PAHs) | - |
| Indeno[1,2,3-cd]pyrene | 193-39-5 |
| Benzo[def]chrysene | 50-32-8 |
| Benzo[k]fluoranthene | 207-08-9 |
| Benzo[e]acephenanthrylene | 205-99-2 |
| Tetrabromodiphenyl ether | - |
| Diphenyl ether, tetrabromo derivative | 40088-47-9 |
| 2,4,4',6-Tetrabromodiphenyl ether | 189084-63-7 |
| 1,3-dibromo-2-(3,4-dibromophenoxy)benzene | 189084-62-6 |
| Benzene, 1,1'-oxybis[3,4-dibromo- | 93703-48-1 |
| 2,3',4,4'-Tetrabromodiphenyl ether | 189084-61-5 |
| Dicofol | 115-32-2 |
| Bis(pentabromophenyl) ether | 1163-19-5 |
| Hexachlorobenzene | 118-74-1 |
| Chlordecone | 143-50-0 |
| Dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane | 2385-85-5 |
| Aldrin | 309-00-2 |
| Hexabromo-1,1'-biphenyl | 36355-01-8 |
| Clofenotane | 50-29-3 |
| Chlordane , pur | 57-74-9 |
| Dieldrin | 60-57-1 |
| Pentachlorobenzene | 608-93-5 |
| Endrin | 72-20-8 |
| Heptachlor | 76-44-8 |
| Toxaphene | 8001-35-2 |
| Alkanes, C10-13, chloro | 85535-84-8 |
| Hexachlorobuta-1,3-diene | 87-68-3 |
| 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol | 25973-55-1 |
| Chlorpyrifos | 2921-88-2 |
| Long-chain perfluorocarboxylic acids (LC-PFCAs), their salts and related compounds (includes substances such as PFNA, PFDA, PFUnDA, PFDoDA, PFTrDA, etc.) | Group Listing |

# POP List

| Name | casnumber |
| --- | --- |
| Medium-chain chlorinated paraffins (MCCPs) | 85535-85-9, Group Listing |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole) | cancer | 26148-68-5 |
| Abiraterone acetate | developmental, female, male | 154229-18-2 |
| Acetaldehyde | cancer | 75-07-0 |
| Acetamide | cancer | 60-35-5 |
| Acetazolamide | developmental | 59-66-5 |
| Acetochlor | cancer | 34256-82-1 |
| Acetohydroxamic acid | developmental | 546-88-3 |
| 2-Acetylaminofluorene | cancer | 53-96-3 |
| Acifluorfen sodium | cancer | 62476-59-9 |
| Acrylamide | cancer | 79-06-1 |
| Acrylamide | developmental, male | 79-06-1 |
| Acrylonitrile | cancer | 107-13-1 |
| Actinomycin D [Basis for listing changed effective February 22, 2013] | cancer | 50-76-0 |
| Actinomycin D | developmental | 50-76-0 |
| AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide | cancer | 3688-53-7 |
| Aflatoxins | cancer | --- |
| Alachlor | cancer | 15972-60-8 |
| Alcoholic beverages | cancer | --- |
| Alcoholic beverages, when associated with alcohol abuse | cancer | --- |
| Aldrin | cancer | 309-00-2 |
| All-trans retinoic acid | developmental | 302-79-4 |
| Aloe vera, non-decolorized whole leaf extract | cancer | --- |
| Alprazolam | developmental | 28981-97-7 |
| Altretamine | developmental, male | 645-05-6 |
| Amantadine hydrochloride | developmental | 665-66-7 |
| Amikacin sulfate | developmental | 39831-55-5 |
| 2-Aminoanthraquinone | cancer | 117-79-3 |
| *p* -Aminoazobenzene | cancer | 60-09-3 |
| *o* -Aminoazotoluene | cancer | 97-56-3 |
| 4-Aminobiphenyl (4-aminodiphenyl) | cancer | 92-67-1 |
| 2-Amino-4-chlorophenol | cancer | 95-85-2 |
| 1-Amino-2,4-dibromoanthraquinone | cancer | 81-49-2 |
| 3-Amino-9-ethylcarbazole hydrochloride | cancer | 6109-97-3 |
| 2-Aminofluorene | cancer | 153-78-6 |
| Aminoglutethimide | developmental | 125-84-8 |
| Aminoglycosides | developmental | --- |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| 1-Amino-2-methylanthraquinone | cancer | 82-28-0 |
| 2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole | cancer | 712-68-5 |
| 4-Amino-2-nitrophenol | cancer | 119-34-6 |
| Aminopterin | developmental, female | 54-62-6 |
| Amiodarone hydrochloride | developmental, female, male | 19774-82-4 |
| Amitraz | developmental | 33089-61-1 |
| Amitrole | cancer | 61-82-5 |
| Amoxapine | developmental | 14028-44-5 |
| Amsacrine | cancer | 51264-14-3 |
| Anabolic steroids | female, male | --- |
| Analgesic mixtures containing Phenacetin | cancer | --- |
| Androstenedione | cancer | 63-05-8 |
| Angiotensin converting enzyme (ACE) inhibitors | developmental | --- |
| Aniline | cancer | 62-53-3 |
| Aniline hydrochloride | cancer | 142-04-1 |
| *o*-Anisidine | cancer | 90-04-0 |
| *o*-Anisidine hydrochloride | cancer | 134-29-2 |
| Anisindione | developmental | 117-37-3 |
| Anthracene | cancer | 120-12-7 |
| Anthraquinone | cancer | 84-65-1 |
| Antimony oxide (Antimony trioxide) | cancer | 1309-64-4 |
| Aramite | cancer | 140-57-8 |
| Areca nut | cancer | --- |
| Aristolochic acids | cancer | --- |
| Arsenic (inorganic arsenic compounds) | cancer | -- |
| Arsenic (inorganic oxides) | developmental | --- |
| Asbestos | cancer | 1332-21-4 |
| Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.) | developmental, female | 50-78-2 |
| Atenolol | developmental | 29122-68-7 |
| Atrazine | developmental, female | 1912-24-9 |
| Auramine | cancer | 492-80-8 |
| Auranofin | developmental | 34031-32-8 |
| Avermectin B1 (Abamectin) | developmental | 71751-41-2 |
| Azacitidine | cancer | 320-67-2 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Azaserine | cancer | 115-02-6 |
| Azathioprine | cancer | 446-86-6 |
| Azathioprine | developmental | 446-86-6 |
| Azobenzene | cancer | 103-33-3 |
| | | |
| Barbiturates | developmental | --- |
| Beclomethasone dipropionate | developmental | 5534-09-8 |
| Benomyl | developmental, male | 17804-35-2 |
| Benthiavalicarb-isopropyl | cancer | 177406-68-7 |
| Benz[a]anthracene | cancer | 56-55-3 |
| Benzene | cancer | 71-43-2 |
| Benzene | developmental, male | 71-43-2 |
| Benzidine [and its salts] | cancer | 92-87-5 |
| Benzidine-based dyes | cancer | --- |
| Benzodiazepines | developmental | --- |
| Benzo[b]fluoranthene | cancer | 205-99-2 |
| Benzo[j]fluoranthene | cancer | 205-82-3 |
| Benzo[k]fluoranthene | cancer | 207-08-9 |
| Benzofuran | cancer | 271-89-6 |
| Benzophenone | cancer | 119-61-9 |
| Benzo[a]pyrene | cancer | 50-32-8 |
| Benzotrichloride | cancer | 98-07-7 |
| Benzphetamine hydrochloride | developmental | 5411-22-3 |
| Benzyl chloride | cancer | 100-44-7 |
| Benzyl violet 4B | cancer | 1694-09-3 |
| Beryllium and beryllium compounds | cancer | --- |
| Beryllium | | |
| Beryllium oxide | | |
| Beryllium sulfate | | |
| Betel quid with tobacco | cancer | --- |
| Betel quid without tobacco | cancer | --- |
| Bevacizumab | developmental, female | 216974-75-3 |
| 2,2-Bis(bromomethyl)-1,3-propanediol | cancer | 3296-90-0 |
| Bis(2-chloroethyl)ether | cancer | 111-44-4 |
| N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine) | cancer | 494-03-1 |
| Bischloroethyl nitrosourea (BCNU) (Carmustine) | cancer | 154-93-8 |
| Bischloroethyl nitrosourea (BCNU) (Carmustine) | developmental | 154-93-8 |
| Bis(chloromethyl)ether | cancer | 542-88-1 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Bis(2-chloro-1-methylethyl)ether, technical grade | cancer | --- |
| Bisphenol A (BPA) | female | 80-05-7 |
| Bisphenol A (BPA) | developmental | 80-05-7 |
| Bisphenol S (BPS) | female, develpmental | 80-09-1 |
| Bisphenol S (BPS) | male, developmental | 80-09-1 |
| Bitumens, extracts of steam-refined and air refined | cancer | --- |
| Bracken fern | cancer | --- |
| Bromacil lithium salt | developmental | 53404-19-6 |
| Bromacil lithium salt | male | 53404-19-6 |
| Bromate | cancer | 15541-45-4 |
| Bromochloroacetic acid | cancer | 5589-96-8 |
| 1-Bromo-3-chloropropane | cancer | 109-70-6 |
| Bromodichloroacetic acid | cancer | 71133-14-7 |
| Bromodichloromethane | cancer | 75-27-4 |
| Bromoethane | cancer | 74-96-4 |
| Bromoform | cancer | 75-25-2 |
| 1-Bromopropane (1-BP) | cancer | 106-94-5 |
| 1-Bromopropane (1-BP) | developmental, female, male | 106-94-5 |
| 2-Bromopropane (2-BP) | cancer | 75-26-3 |
| 2-Bromopropane (2-BP) | female, male | 75-26-3 |
| Bromoxynil | developmental | 1689-84-5 |
| Bromoxynil octanoate | developmental | 1689-99-2 |
| Butabarbital sodium | developmental | 143-81-7 |
| 1,3-Butadiene | cancer | 106-99-0 |
| 1,3-Butadiene | developmental, female, male | 106-99-0 |
| 1,4-Butanediol dimethanesulfonate (Busulfan) | cancer | 55-98-1 |
| 1,4-Butanediol dimethanesulfonate (Busulfan) | developmental | 55-98-1 |
| Butylated hydroxyanisole | cancer | 25013-16-5 |
| Butyl benzyl phthalate (BBP)[d] | developmental | 85-68-7 |
| 1-Butyl glycidyl ether | cancer | 2426-08-6 |
| beta-Butyrolactone | cancer | 3068-88-0 |
| Cacodylic acid | cancer | 75-60-5 |
| Cadmium | developmental, male | --- |
| Cadmium and cadmium compounds | cancer | --- |
| Cadmium | | |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Cannabis (marijuana) smoke | developmental | --- |
| Caffeic acid | cancer | 331-39-5 |
| Captafol | cancer | 2425-06-1 |
| Captan | cancer | 133-06-2 |
| Carbamazepine | developmental | 298-46-4 |
| Carbaryl | cancer | 63-25-2 |
| Carbaryl [Basis for listing changed effective December 27, 2013] | developmental, female, male | 63-25-2 |
| Carbazole | cancer | 86-74-8 |
| Carbon black (airborne, unbound particles of respirable size) | cancer | 1333-86-4 |
| Carbon-black extracts | cancer | --- |
| Carbon disulfide | developmental, female, male | 75-15-0 |
| Carbon monoxide | developmental | 630-08-0 |
| Carbon tetrachloride | cancer | 56-23-5 |
| Carboplatin | developmental | 41575-94-4 |
| N-Carboxymethyl-N-nitrosourea | cancer | 60391-92-6 |
| Catechol | cancer | 120-80-9 |
| Ceramic fibers (airborne particles of respirable size) | cancer | --- |
| Certain combined chemotherapy for lymphomas | cancer | --- |
| Chenodiol | developmental | 474-25-9 |
| Chloral | cancer | 75-87-6 |
| Chloral hydrate | cancer | 302-17-0 |
| Chlorambucil | cancer | 305-03-3 |
| Chlorambucil | developmental | 305-03-3 |
| Chloramphenicol Delisted January 4, 2013 [C | ~~cancer~~ | ~~56-75-7~~ |
| Chloramphenicol sodium succinate | cancer | 982-57-0 |
| Chlorcyclizine hydrochloride | developmental | 1620-21-9 |
| Chlordane | cancer | 57-74-9 |
| Chlordecone (Kepone) | cancer | 143-50-0 |
| Chlordecone (Kepone) | developmental | 143-50-0 |
| Chlordiazepoxide | developmental | 58-25-3 |
| Chlordiazepoxide hydrochloride | developmental | 438-41-5 |
| Chlordimeform | cancer | 6164-98-3 |
| Chlorendic acid | cancer | 115-28-6 |
| Chlorinated paraffins (Average chain length, C12;approximately 60 percent chlorine by weight) | cancer | 108171-26-2 |
| *p*-Chloroaniline | cancer | 106-47-8 |
| *p*-Chloroaniline hydrochloride | cancer | 20265-96-7 |
| Chloroethane (Ethyl chloride) | cancer | 75-00-3 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine) | cancer | 13010-47-4 |
| 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine) | developmental | 13010-47-4 |
| 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU) | cancer | 13909-09-6 |
| Chloroform | cancer | 67-66-3 |
| Chloroform [Basis for listing changed effective December 23, 2016] | developmental | 67-66-3 |
| Chloromethyl methyl ether (technical grade) | cancer | 107-30-2 |
| 3-Chloro-2-methylpropene | cancer | 563-47-3 |
| 1-Chloro-4-nitrobenzene | cancer | 100-00-5 |
| 2-Chloronitrobenzene | cancer | 88-73-3 |
| 4-Chloro-*o*-phenylenediamine | cancer | 95-83-0 |
| Chloroprene | cancer | 126-99-8 |
| 2-Chloropropionic acid [Basis for listing changed effective December 20, 2013] | male | 598-78-7 |
| Chlorothalonil | cancer | 1897-45-6 |
| *p*-Chloro-*o*-toluidine | cancer | 95-69-2 |
| *p*-Chloro-*o*-toluidine, strong acid salts of | cancer | --- |
| *p*-Chloro-*o*-toluidine, hydrochloride | | |
| 5-Chloro-*o*-toluidine and its strong acid salts | cancer | --- |
| Chlorotrianisene | cancer | 569-57-3 |
| *p*-chloro-*α,α,α*-trifluorotoluene (*para*-Chlorobenzotrifluoride, PCBTF) | cancer | 98-56-6 |
| Chlorozotocin | cancer | 54749-90-5 |
| Chlorpyrifos | developmental | 2921-88-2 |
| Chromium (hexavalent compounds) | cancer | --- |
| Chromium (hexavalent compounds) | developmental, female, male | --- |
| Chrysene | cancer | 218-01-9 |
| C.I. Acid Red 114 | cancer | 6459-94-5 |
| C.I. Basic Red 9 monohydrochloride | cancer | 569-61-9 |
| C.I. Direct Blue 15 | cancer | 2429-74-5 |
| C.I. Direct Blue 218 | cancer | 28407-37-6 |
| C.I. Disperse Yellow 3 | cancer | 2832-40-8 |
| C.I. Solvent Yellow 14 | cancer | 842-07-9 |
| Ciclosporin (Cyclosporin A; Cyclosporine) | cancer | 59865-13-3; 79217-60-0 |
| Cidofovir | cancer, developmental, female, male | 113852-37-2 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Cinnamyl anthranilate | cancer | 87-29-6 |
| Cisplatin | cancer | 15663-27-1 |
| Citrus Red No. 2 | cancer | 6358-53-8 |
| Cladribine | developmental | 4291-63-8 |
| Clarithromycin | developmental | 81103-11-9 |
| Clobetasol propionate | developmental, female | 25122-46-7 |
| Clofibrate | cancer | 637-07-0 |
| Clomiphene citrate | cancer | 50-41-9 |
| Clomiphene citrate | developmental | 50-41-9 |
| Clorazepate dipotassium | developmental | 57109-90-7 |
| CMNP (pyrazachlor) | cancer | 6814-58-0 |
| Coal-tar pitch | cancer | --- |
| Cobalt metal powder | cancer | 7440-48-4 |
| Cobalt [II] oxide | cancer | 1307-96-6 |
| Cobalt sulfate | cancer | 10124-43-3 |
| Cobalt sulfate heptahydrate | cancer | 10026-24-1 |
| Cocaine | developmental, female | 50-36-2 |
| Coconut oil diethanolamine condensate (cocamide diethanolamine) | cancer | --- |
| Codeine phosphate | developmental | 52-28-8 |
| Coke oven emissions | cancer | --- |
| Colchicine | developmental, male | 64-86-8 |
| Conjugated estrogens | cancer | --- |
| Conjugated estrogens | developmental | --- |
| Creosotes | cancer | --- |
| *p*-Cresidine | cancer | 120-71-8 |
| Cumene | cancer | 98-82-8 |
| Cupferron | cancer | 135-20-6 |
| Cyanazine | developmental | 21725-46-2 |
| Cycasin | cancer | 14901-08-7 |
| Cycloate | developmental | 1134-23-2 |
| Cycloheximide | developmental | 66-81-9 |
| Cyclopenta[cd]pyrene | cancer | 27208-37-3 |
| Cyclophosphamide (anhydrous) | cancer | 50-18-0 |
| Cyclophosphamide (anhydrous) | developmental, female, male | 50-18-0 |
| Cyclophosphamide (hydrated) | cancer | 6055-19-2 |
| Cyclophosphamide (hydrated) | developmental, female, male | 6055-19-2 |
| Cyhexatin | developmental | 13121-70-5 |
| Cytarabine | developmental | 147-94-4 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Cytembena | cancer | 21739-91-3 |
| | | |
| D&C Orange No. 17 | cancer | 3468-63-1 |
| D&C Red No. 8 | cancer | 2092-56-0 |
| D&C Red No. 9 | cancer | 5160-02-1 |
| D&C Red No. 19 | cancer | 81-88-9 |
| Dacarbazine | cancer | 4342-03-4 |
| Dacarbazine | developmental | 4342-03-4 |
| Daminozide | cancer | 1596-84-5 |
| Danazol | developmental | 17230-88-5 |
| Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone) | cancer | 117-10-2 |
| Daunomycin | cancer | 20830-81-3 |
| Daunorubicin hydrochloride | developmental | 23541-50-6 |
| 2,4-D butyric acid [Click here for the basis for | ~~developmental~~, male | 94-82-6 |
| DDD (Dichlorodiphenyl-dichloroethane) | cancer | 72-54-8 |
| DDE (Dichlorodiphenyl-dichloroethylene) | cancer | 72-55-9 |
| DDT (Dichlorodiphenyl-trichloroethane) | cancer | 50-29-3 |
| o,p'-DDT | developmental, female, male | 789-02-6 |
| p,p'-DDT | developmental, female, male | 50-29-3 |
| DDVP (Dichlorvos) | cancer | 62-73-7 |
| Demeclocycline hydrochloride (internal use) | developmental | 64-73-3 |
| Des-ethyl atrazine (DEA) | developmental, female | 6190-65-4 |
| Des-isopropyl atrazine (DIA) | developmental, female | 1007-28-9 |
| N,N'-Diacetylbenzidine | cancer | 613-35-4 |
| 2,4-Diaminoanisole | cancer | 615-05-4 |
| 2,4-Diaminoanisole sulfate | cancer | 39156-41-7 |
| 2,4-Diamino-6-chloro-*s*-triazine (DACT) | developmental, female | 3397-62-4 |
| 4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline) | cancer | 101-80-4 |
| 2,4-Diaminotoluene | cancer | 95-80-7 |
| Diazepam | developmental | 439-14-5 |
| Diazoaminobenzene | cancer | 136-35-6 |
| Diazoxide | developmental | 364-98-7 |
| Dibenz[a,h]acridine | cancer | 226-36-8 |
| Dibenz[a,j]acridine | cancer | 224-42-0 |
| Dibenzanthracenes | cancer | --- |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Dibenz[a,c]anthracene | cancer | 215-58-7 |
| Dibenz[a,h]anthracene | cancer | 53-70-3 |
| Dibenz[a,j]anthracene | cancer | 224-41-9 |
| 7H-Dibenzo[c,g]carbazole | cancer | 194-59-2 |
| Dibenzo[a,e]pyrene | cancer | 192-65-4 |
| Dibenzo[a,h]pyrene | cancer | 189-64-0 |
| Dibenzo[a,i]pyrene | cancer | 189-55-9 |
| Dibenzo[a,l]pyrene | cancer | 191-30-0 |
| Dibromoacetic acid | cancer | 631-64-1 |
| Dibromoacetonitrile | cancer | 3252-43-5 |
| 1,2-Dibromo-3-chloropropane (DBCP) | cancer | 96-12-8 |
| 1,2-Dibromo-3-chloropropane (DBCP) [Basis for listing changed effective November 22, 2013] | male | 96-12-8 |
| 2,3-Dibromo-1-propanol | cancer | 96-13-9 |
| Dichloroacetic acid | cancer | 79-43-6 |
| Dichloroacetic acid | developmental, male | 79-43-6 |
| *p*-Dichlorobenzene | cancer | 106-46-7 |
| 3,3'-Dichlorobenzidine | cancer | 91-94-1 |
| 3,3'-Dichlorobenzidine dihydrochloride | cancer | 612-83-9 |
| 1,1-Dichloro-2,2-bis(*p*-chloropheny)ethylene (DDE) | developmental, male | 72-55-9 |
| 1,4-Dichloro-2-butene | cancer | 764-41-0 |
| 3,3'-Dichloro-4,4'-diamino-diphenyl ether | cancer | 28434-86-8 |
| 1,1-Dichloroethane | cancer | 75-34-3 |
| Dichloromethane (Methylene chloride) | cancer | 75-09-2 |
| 1,4-Dichloro-2-nitrobenzene | cancer | 89-61-2 |
| 2,4-Dichloro-1-nitrobenzene | cancer | 611-06-3 |
| Dichlorophene | developmental | 97-23-4 |
| Dichlorphenamide | developmental | 120-97-8 |
| 1,2-Dichloropropane | cancer | 78-87-5 |
| 1,3-Dichloro-2-propanol (1,3-DCP) | cancer | 96-23-1 |
| 1,3-Dichloropropene | cancer | 542-75-6 |
| Diclofop-methyl | cancer | 51338-27-3 |
| Diclofop methyl | developmental | 51338-27-3 |
| Dicumarol | developmental | 66-76-2 |
| Dieldrin | cancer | 60-57-1 |
| Dienestrol Delisted January 4, 2013 [Click her | ~~cancer~~ | ~~84-17-3~~ |
| Diepoxybutane | cancer | 1464-53-5 |
| Diesel engine exhaust | cancer | --- |
| Diethanolamine | cancer | 111-42-2 |
| Di(2-ethylhexyl)phthalate (DEHP) | cancer | 117-81-7 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Di(2-ethylhexyl)phthalate (DEHP) | developmental, male | 117-81-7 |
| Adult[b] | | |
| Infant boys, age 29 days to 24 months[b] | | |
| Neonatal infant boys, age 0 to 28 days[b] | | |
| Adult[b] | | |
| Infant boys, age 29 days to 24 months[b] | | |
| Neonatal infant boys, age 0 to 28 days[b] | | |
| 1,2-Diethylhydrazine | cancer | 1615-80-1 |
| Diethylstilbestrol (DES) | cancer | 56-53-1 |
| Diethylstilbestrol (DES) | developmental | 56-53-1 |
| Diethyl sulfate | cancer | 64-67-5 |
| Diflunisal | developmental, female | 22494-42-4 |
| Diglycidyl resorcinol ether (DGRE) | cancer | 101-90-6 |
| Dihydroergotamine mesylate | developmental | 6190-39-2 |
| Dihydrosafrole | cancer | 94-58-6 |
| Di-isodecyl phthalate (DIDP) | developmental | 68515-49-1/ 26761-40-0 |
| Diisononyl phthalate (DINP) | cancer | --- |
| Diisopropyl sulfate | cancer | 2973-10-6 |
| Diltiazem hydrochloride | developmental | 33286-22-5 |
| 3,3'-Dimethoxybenzidine (*o*-Dianisidine) | cancer | 119-90-4 |
| 3,3'-Dimethoxybenzidine dihydrochloride | cancer | 20325-40-0 |
| 3,3'-Dimethoxybenzidine-based dyes metabolized to 3,3'-dimethoxybenzidine | cancer | --- |
| N,N-Dimethylacetamide | cancer | 127-19-5 |
| N,N-Dimethylacetamide | developmental, male | 127-19-5 |
| 4-Dimethylaminoazobenzene | cancer | 60-11-7 |
| *trans*-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole | cancer | 55738-54-0 |
| 7,12-Dimethylbenz(a)anthracene | cancer | 57-97-6 |
| 3,3'-Dimethylbenzidine (ortho-Tolidine) | cancer | 119-93-7 |
| 3,3'-Dimethylbenzidine-based dyes metabolized to 3,3'-dimethylbenzidine | cancer | --- |
| 3,3'-Dimethylbenzidine dihydrochloride | cancer | 612-82-8 |
| Dimethylcarbamoyl chloride | cancer | 79-44-7 |
| N,N-Dimethylformamide | cancer | 68-12-2 |
| 1,1-Dimethylhydrazine (UDMH) | cancer | 57-14-7 |
| 1,2-Dimethylhydrazine | cancer | 540-73-8 |
| Dimethyl hydrogen phosphite | cancer | 868-85-9 |
| 2,6-Dimethyl-N-nitrosomorpholine (DMNM) | cancer | 1456-28-6 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Dimethyl sulfate | cancer | 77-78-1 |
| *N*,*N*-Dimethyl-*p*-toluidine | cancer | 99-97-8 |
| Dimethylvinylchloride | cancer | 513-37-1 |
| Di-*n*-butyl phthalate (DBP) | developmental, female, male | 84-74-2 |
| Di-*n*-hexyl phthalate (DnHP) | female, male | 84-75-3 |
| *m*-Dinitrobenzene | male | 99-65-0 |
| *o*-Dinitrobenzene | male | 528-29-0 |
| *p*-Dinitrobenzene | male | 100-25-4 |
| 3,7-Dinitrofluoranthene | cancer | 105735-71-5 |
| 3,9-Dinitrofluoranthene | cancer | 22506-53-2 |
| 1,3-Dinitropyrene | cancer | 75321-20-9 |
| 1,6-Dinitropyrene | cancer | 42397-64-8 |
| 1,8-Dinitropyrene | cancer | 42397-65-9 |
| 2,4-Dinitrotoluene | cancer | 121-14-2 |
| 2,4-Dinitrotoluene | male | 121-14-2 |
| 2,6-Dinitrotoluene | cancer | 606-20-2 |
| 2,6-Dinitrotoluene | male | 606-20-2 |
| Dinitrotoluene (technical grade) | female, male | --- |
| Dinitrotoluene mixture, 2,4-/2,6- | cancer | --- |
| Dinocap | developmental | 39300-45-3 |
| Dinoseb | developmental, male | 88-85-7 |
| Di-*n*-propyl isocinchomeronate (MGK Repellent 326) | cancer | 136-45-8 |
| 1,4-Dioxane | cancer | 123-91-1 |
| Diphenylhydantoin (Phenytoin) | cancer | 57-41-0 |
| Diphenylhydantoin (Phenytoin) | developmental | 57-41-0 |
| Diphenylhydantoin (Phenytoin), sodium salt | cancer | 630-93-3 |
| Direct Black 38 (technical grade) | cancer | 1937-37-7 |
| Direct Blue 6 (technical grade) | cancer | 2602-46-2 |
| Direct Brown 95 (technical grade) | cancer | 16071-86-6 |
| Disodium cyanodithioimidocarbonate | developmental | 138-93-2 |
| Disperse Blue 1 | cancer | 2475-45-8 |
| Diuron | cancer | 330-54-1 |
| Doxorubicin hydrochloride (Adriamycin) | cancer | 25316-40-9 |
| Doxorubicin hydrochloride (Adriamycin) | developmental, male | 25316-40-9 |
| Doxycycline (internal use) | developmental | 564-25-0 |
| Doxycycline calcium (internal use) | developmental | 94088-85-4 |
| Doxycycline hyclate (internal use) | developmental | 24390-14-5 |
| Doxycycline monohydrate (internal use) | developmental | 17086-28-1 |
| Emissions from combustion of coal | cancer | --- |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Emissions from high-temperature unrefined rapeseed oil | cancer | --- |
| Endrin | developmental | 72-20-8 |
| Environmental tobacco smoke (ETS) | developmental | --- |
| Epichlorohydrin | cancer | 106-89-8 |
| Epichlorohydrin | male | 106-89-8 |
| Epoxiconazole | cancer | 135319-73-2 |
| Ergotamine tartrate | developmental | 379-79-3 |
| Erionite | cancer | 12510-42-8; 66733-21-9 |
| Estradiol 17B | cancer | 50-28-2 |
| Estragole | cancer | 140-67-0 |
| Estrogens, steroidal | cancer | --- |
| Estrogen-progestogen (combined) used as menopausal therapy | cancer | --- |
| Estrone | cancer | 53-16-7 |
| Estropipate | cancer, developmental | 7280-37-7 |
| Ethinylestradiol | cancer | 57-63-6 |
| Ethionamide | developmental | 536-33-4 |
| Ethoprop | cancer | 13194-48-4 |
| Ethyl acrylate | cancer | 140-88-5 |
| Ethyl alcohol in alcoholic beverages | developmental | --- |
| Ethylbenzene | cancer | 100-41-4 |
| Ethyl dipropylthiocarbamate | developmental | 759-94-4 |
| Ethyl-4,4'-dichlorobenzilate | cancer | 510-15-6 |
| Ethylene dibromide | cancer | 106-93-4 |
| Ethylene dibromide | developmental, male | 106-93-4 |
| Ethylene dichloride (1,2-Dichloroethane) | cancer | 107-06-2 |
| Ethylene glycol (ingested) | developmental | 107-21-1 |
| Ethylene glycol monoethyl ether | developmental, male | 110-80-5 |
| Ethylene glycol monoethyl ether acetate | developmental, male | 111-15-9 |
| Ethylene glycol monomethyl ether | developmental, male | 109-86-4 |
| Ethylene glycol monomethyl ether acetate | developmental, male | 110-49-6 |
| Ethyleneimine (Aziridine) | cancer | 151-56-4 |
| Ethylene oxide | cancer | 75-21-8 |
| Ethylene oxide [Basis for listing changed effective November 22, 2013] | female | 75-21-8 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Ethylene oxide [Basis for listing changed effective November 22, 2013] | developmental, male | 75-21-8 |
| Ethylene thiourea | cancer | 96-45-7 |
| Ethylene thiourea | developmental | 96-45-7 |
| 2-Ethylhexanoic acid Delisted December 13, | ~~developmental~~ | ~~149-57-5~~ |
| 2-Ethylhexyl acrylate | cancer | 103-11-7 |
| Ethyl methanesulfonate | cancer | 62-50-0 |
| Etodolac | developmental, female | 41340-25-4 |
| Etoposide | cancer | 33419-42-0 |
| Etoposide | developmental | 33419-42-0 |
| Etoposide in combination with cisplatin and bleomycin | cancer | --- |
| Etretinate | developmental | 54350-48-0 |
| Fenoxaprop ethyl | developmental | 66441-23-4 |
| Fenoxycarb | cancer | 72490-01-8 |
| Filgrastim | developmental | 121181-53-1 |
| Fluazifop butyl | developmental | 69806-50-4 |
| Flunisolide | developmental, female | 3385-03-3 |
| Fluorouracil | developmental | 51-21-8 |
| Fluoro-edenite fibrous amphibole | cancer | --- |
| Fluoxymesterone | developmental | 76-43-7 |
| Flurazepam hydrochloride | developmental | 1172-18-5 |
| Flurbiprofen | developmental, female | 5104-49-4 |
| Flutamide | developmental | 13311-84-7 |
| Fluticasone propionate | developmental | 80474-14-2 |
| Fluvalinate | developmental | 69409-94-5 |
| Folpet | cancer | 133-07-3 |
| Formaldehyde (gas) | cancer | 50-00-0 |
| 2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole | cancer | 3570-75-0 |
| Fumonisin $B_1$ | cancer | 116355-83-0 |
| Furan | cancer | 110-00-9 |
| Furazolidone | cancer | 67-45-8 |
| Furfuryl alcohol | cancer | 98-00-0 |
| Furmecyclox | cancer | 60568-05-0 |
| Fusarin C | cancer | 79748-81-5 |
| | | |
| Gallium arsenide | cancer | 1303-00-0 |
| Ganciclovir | cancer, developmental, male | 82410-32-0 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Ganciclovir sodium | developmental, male | 107910-75-8 |
| Gasoline engine exhaust (condensates/extracts) | cancer | --- |
| Gemfibrozil | cancer | 25812-30-0 |
| Gemfibrozil | female, male | 25812-30-0 |
| Gentian violet (Crystal violet) | cancer | 548-62-9 |
| Glass wool fibers (inhalable and biopersistent) | cancer | --- |
| Glu-P-1 (2-Amino-6-methyldipyrido[1,2-a:3',2'-d]imidazole) | cancer | 67730-11-4 |
| Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole) | cancer | 67730-10-3 |
| Glycidaldehyde | cancer | 765-34-4 |
| Glycidol | cancer | 556-52-5 |
| Glycidyl methacrylate | cancer | 106-91-2 |
| Glyphosate | cancer | 1071-83-6 |
| Goldenseal root powder | cancer | --- |
| Goserelin acetate | developmental, female, male | 65807-02-5 |
| Griseofulvin | cancer | 126-07-8 |
| Gyromitrin (Acetaldehyde methylformylhydrazone) | cancer | 16568-02-8 |
| | | |
| Halazepam | developmental | 23092-17-3 |
| Halobetasol propionate | developmental | 66852-54-8 |
| Haloperidol | developmental, female | 52-86-8 |
| Halothane | developmental | 151-67-7 |
| HC Blue 1 | cancer | 2784-94-3 |
| Heptachlor | cancer | 76-44-8 |
| Heptachlor | developmental | 76-44-8 |
| Heptachlor epoxide | cancer | 1024-57-3 |
| Herbal remedies containing plant species of the genus *Aristolochia* | cancer | --- |
| Hexachlorobenzene | cancer | 118-74-1 |
| Hexachlorobenzene | developmental | 118-74-1 |
| Hexachlorobutadiene | cancer | 87-68-3 |
| Hexachlorocyclohexane (technical grade) | cancer | --- |
| Hexachlorocyclohexane (alpha isomer) | | |
| Hexachlorocyclohexane (beta isomer) | | |
| Hexachlorocyclohexane (gamma isomer) | | |
| Hexachlorodibenzodioxin | cancer | 34465-46- 8 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Hexachloroethane | cancer | 67-72-1 |
| 2,4-Hexadienal (89% trans, trans isomer; 11% cis, trans isomer) | cancer | --- |
| Hexafluoroacetone [Basis for listing changed effective June 6, 2014] | developmental, male | 684-16-2 |
| Hexamethylphosphoramide | cancer | 680-31-9 |
| Hexamethylphosphoramide | male | 680-31-9 |
| n-Hexane | male | 110-54-3 |
| 2,5-Hexanedione | male | 110-13-4 |
| Histrelin acetate | developmental | --- |
| Hydramethylnon | developmental, male | 67485-29-4 |
| Hydrazine | cancer | 302-01-2 |
| Hydrazine sulfate | cancer | 10034-93-2 |
| Hydrazobenzene (1,2-Diphenylhydrazine) | cancer | 122-66-7 |
| Hydrogen cyanide (HCN) and cyanide salts (CN salts) | male | --- |
| Cyanide salts that readily dissociate in solution (expressed as cyanide)[f] | | |
| Hydrogen cyanide[f] | | |
| Sodium cyanide[f] | | |
| Potassium cyanide[f] | | |
| 1-Hydroxyanthraquinone | cancer | 129-43-1 |
| Hydroxyurea | developmental | 127-07-1 |
| Idarubicin hydrochloride | developmental, male | 57852-57-0 |
| Ifosfamide | developmental | 3778-73-2 |
| Iodine-131 | developmental | 10043-66-0 |
| Imazalil | cancer | 35554-44-0 |
| Indeno[1,2,3-cd]pyrene | cancer | 193-39-5 |
| Indium phosphide | cancer | 22398-80-7 |
| Indium tin oxide | cancer | 50926-11-9 |
| IQ (2-Amino-3-methylimidazo[4,5-f] quinoline) | cancer | 76180-96-6 |
| Iprodione | cancer | 36734-19-7 |
| Iprovalicarb | cancer | 140923-17-7/ 140923-25-7 |
| Iron dextran complex | cancer | 9004-66-4 |
| Isobutyl nitrite | cancer | 542-56-3 |
| Isoprene | cancer | 78-79-5 |
| Isopyrazam | cancer | 881685-58-1 |
| Isotretinoin | developmental | 4759-48-2 |
| Isoxaflutole | cancer | 141112-29-0 |
| Kresoxim-methyl | cancer | 143390-89-0 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Lactofen | cancer | 77501-63-4 |
| Lasiocarpine | cancer | 303-34-4 |
| Lead [Basis for listing changed effective November 22, 2013] | developmental, female, male | --- |
| Lead and lead compounds | cancer | --- |
| Lead | | |
| Lead acetate | cancer | 301-04-2 |
| Lead phosphate | cancer | 7446-27-7 |
| Lead subacetate | cancer | 1335-32-6 |
| Leather dust | cancer | --- |
| Leucomalachite green | cancer | 129-73-7 |
| Leuprolide acetate | developmental, female, male | 74381-53-6 |
| Levodopa | developmental | 59-92-7 |
| Levonorgestrel implants | female | 797-63-7 |
| Lindane and other hexachlorocyclohexane isomers | cancer | --- |
| Linuron | developmental | 330-55-2 |
| Lithium carbonate | developmental | 554-13-2 |
| Lithium citrate | developmental | 919-16-4 |
| Lorazepam | developmental | 846-49-1 |
| Lovastatin | developmental | 75330-75-5 |
| Lynestrenol | cancer | 52-76-6 |
| | | |
| Malathion | cancer | 121-75-5 |
| Malonaldehyde, sodium salt | cancer | 24382-04-5 |
| Mancozeb | cancer | 8018-01-7 |
| Maneb | cancer | 12427-38-2 |
| Marijuana smoke | cancer | --- |
| Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole) | cancer | 68006-83-7 |
| Mebendazole | developmental | 31431-39-7 |
| Medroxyprogesterone acetate | cancer | 71-58-9 |
| Medroxyprogesterone acetate | developmental | 71-58-9 |
| Megestrol acetate | cancer | 595-33-5 |
| Megestrol acetate | developmental | 595-33-5 |
| MeIQ (2-Amino-3,4-dimethylimidazo[4,5-f]quinoline) | cancer | 77094-11-2 |
| MeIQx (2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline) | cancer | 77500-04-0 |
| Melphalan | cancer | 148-82-3 |
| Melphalan | developmental | 148-82-3 |
| Menotropins | developmental | 9002-68-0 |
| Mepanipyrim | cancer | 110235-47-7 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Meprobamate | developmental | 57-53-4 |
| 2-Mercaptobenzothiazole | cancer | 149-30-4 |
| Mercaptopurine | developmental | 6112-76-1 |
| Mercury and mercury compounds | developmental | --- |
| Merphalan | cancer | 531-76-0 |
| Mestranol | cancer | 72-33-3 |
| Metam potassium | cancer | 137-41-7 |
| Methacycline hydrochloride | developmental | 3963-95-9 |
| Metham sodium | cancer | 137-42-8 |
| Metham sodium | developmental | 137-42-8 |
| Methanol | developmental | 67-56-1 |
| Methazole | developmental | 20354-26-1 |
| Methimazole | developmental | 60-56-0 |
| Methotrexate | developmental | 59-05-2 |
| Methotrexate sodium | developmental | 15475-56-6 |
| 5-Methoxypsoralen with ultraviolet A therapy | cancer | 484-20-8 |
| 8-Methoxypsoralen with ultraviolet A therapy | cancer | 298-81-7 |
| Methyl acrylate | cancer | 96-33-3 |
| 2-Methylaziridine (Propyleneimine) | cancer | 75-55-8 |
| Methylazoxymethanol | cancer | 590-96-5 |
| Methylazoxymethanol acetate | cancer | 592-62-1 |
| Methyl bromide, as a structural fumigant | developmental | 74-83-9 |
| Methyl carbamate | cancer | 598-55-0 |
| Methyl chloride | developmental | 74-87-3 |
| Methyl chloride [Basis for listing changed effective March 7, 2014] | male | 74-87-3 |
| 3-Methylcholanthrene | cancer | 56-49-5 |
| 5-Methylchrysene | cancer | 3697-24-3 |
| 4,4'-Methylene bis(2-chloroaniline) | cancer | 101-14-4 |
| 4,4'-Methylene bis(N,N-dimethyl)benzenamine | cancer | 101-61-1 |
| 4,4'-Methylene bis(2-methylaniline) | cancer | 838-88-0 |
| 4,4'-Methylenedianiline | cancer | 101-77-9 |
| 4,4'-Methylenedianiline dihydrochloride | cancer | 13552-44-8 |
| Methyleugenol | cancer | 93-15-2 |
| Methylhydrazine and its salts | cancer | --- |
| Methylhydrazine | | |
| Methylhydrazine sulfate | | |
| 2-Methylimidazole | cancer | 693-98-1 |
| 4-Methylimidazole | cancer | 822-36-6 |
| Methyl iodide | cancer | 74-88-4 |
| Methyl isobutyl ketone | cancer | 108-10-1 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Methyl isobutyl ketone (MIBK) | developmental | 108-10-1 |
| Methyl isocyanate (MIC) | developmental, female | 624-83-9 |
| Methyl mercury | developmental | --- |
| Methylmercury compounds | cancer | --- |
| Methyl methanesulfonate | cancer | 66-27-3 |
| Methyl-n-butyl ketone | developmental | 591-78-6 |
| Methyl-n-butyl ketone [Basis for listing changed effective November 9, 2015] | male | 591-78-6 |
| 2-Methyl-1-nitroanthraquinone (of uncertain purity) | cancer | 129-15-7 |
| N-Methyl-N'-nitro-N-nitrosoguanidine | cancer | 70-25-7 |
| N-Methylolacrylamide | cancer | 924-42-5 |
| N-Methylpyrrolidone | developmental | 872-50-4 |
| α-Methyl styrene (alpha-Methylstyrene) | cancer | 98-83-9 |
| Methyltestosterone | developmental | 58-18-4 |
| Methylthiouracil | cancer | 56-04-2 |
| Metiram | cancer | 9006-42-2 |
| Metiram | developmental | 9006-42-2 |
| Metronidazole | cancer | 443-48-1 |
| Michler's ketone | cancer | 90-94-8 |
| Midazolam hydrochloride | developmental | 59467-96-8 |
| Minocycline hydrochloride (internal use) | developmental | 13614-98-7 |
| Mirex | cancer | 2385-85-5 |
| Misoprostol | developmental | 59122-46-2 |
| Mitomycin C | cancer | 50-07-7 |
| Mitoxantrone hydrochloride | cancer | 70476-82-3 |
| Mitoxantrone hydrochloride | developmental | 70476-82-3 |
| Molinate | developmental, female, male | 2212-67-1 |
| Molybdenum trioxide | cancer | 1313-27-5 |
| MON 4660 (dichloroacetyl-1-oxa-4-azaspiro(4,5)-decane | cancer | 71526-07-3 |
| MON 13900 (furilazole) | cancer | 121776-33-8 |
| 3-Monochloropropane-1,2-diol (3-MCPD) | cancer | 96-24-2 |
| Monocrotaline | cancer | 315-22-0 |
| MOPP (vincristine-prednisone-nitrogen mustard-procarbazine mixture) | cancer | 113803-47-7 |
| 5-(Morpholinomethyl)-3-[(5-nitrofurfuryl-idene)-amino]-2-oxazolidinone | cancer | 139-91-3 |
| Mustard Gas | cancer | 505-60-2 |
| MX (3-chloro-4-dichloromethyl-5-hydroxy-2(5H)-furanone) | cancer | 77439-76-0 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Myclobutanil | developmental, male | 88671-89-0 |
| beta-Myrcene | cancer | 123-35-3 |
| Nabam | developmental | 142-59-6 |
| Nafarelin acetate | developmental | 86220-42-0 |
| Nafenopin | cancer | 3771-19-5 |
| Nalidixic acid | cancer | 389-08-2 |
| Naphthalene | cancer | 91-20-3 |
| 1-Naphthylamine | cancer | 134-32-7 |
| 2-Naphthylamine | cancer | 91-59-8 |
| Neomycin sulfate (internal use) | developmental | 1405-10-3 |
| Netilmicin sulfate | developmental | 56391-57-2 |
| Nickel (Metallic) | cancer | 7440-02-0 |
| Nickel acetate | cancer | 373-02-4 |
| Nickel carbonate | cancer | 3333-67-3 |
| Nickel carbonyl | cancer | 13463-39-3 |
| Nickel carbonyl | developmental | 13463-39-3 |
| Nickel compounds | cancer | --- |
| Nickel (soluble compounds) | developmental, male | --- |
| Nickel hydroxide | cancer | 12054-48-7; 12125-56-3 |
| Nickelocene | cancer | 1271-28-9 |
| Nickel oxide | cancer | 1313-99-1 |
| Nickel refinery dust from the pyrometallurgical process | cancer | --- |
| Nickel subsulfide | cancer | 12035-72-2 |
| Nicotine | developmental | 54-11-5 |
| Nifedipine | developmental, female, male | 21829-25-4 |
| Nimodipine | developmental | 66085-59-4 |
| Niridazole | cancer | 61-57-4 |
| Nitrapyrin [Basis for listing changed effective on November 4, 2015] | cancer | 1929-82-4 |
| Nitrapyrin | developmental | 1929-82-4 |
| Nitrilotriacetic acid | cancer | 139-13-9 |
| Nitrilotriacetic acid, trisodium salt monohydrate | cancer | 18662-53-8 |
| 5-Nitroacenaphthene | cancer | 602-87-9 |
| *o* -Nitroanisole | cancer | 91-23-6 |
| *para* -Nitroanisole | cancer | 100-17-4 |
| Nitrobenzene | cancer | 98-95-3 |
| Nitrobenzene | male | 98-95-3 |
| 4-Nitrobiphenyl | cancer | 92-93-3 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| 6-Nitrochrysene | cancer | 7496-02-8 |
| Nitrofen (technical grade) | cancer | 1836-75-5 |
| 2-Nitrofluorene | cancer | 607-57-8 |
| Nitrofurantoin | male | 67-20-9 |
| Nitrofurazone | cancer | 59-87-0 |
| 1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone | cancer | 555-84-0 |
| N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide | cancer | 531-82-8 |
| Nitrogen mustard (Mechlorethamine) | cancer | 51-75-2 |
| Nitrogen mustard (Mechlorethamine) | developmental | 51-75-2 |
| Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride) | cancer | 55-86-7 |
| Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride) | developmental | 55-86-7 |
| Nitrogen mustard N-oxide | cancer | 126-85-2 |
| Nitrogen mustard N-oxide hydrochloride | cancer | 302-70-5 |
| Nitromethane | cancer | 75-52-5 |
| 2-Nitropropane | cancer | 79-46-9 |
| 1-Nitropyrene | cancer | 5522-43-0 |
| 4-Nitropyrene | cancer | 57835-92-4 |
| N-Nitrosodi-*n*-butylamine | cancer | 924-16-3 |
| N-Nitrosodiethanolamine | cancer | 1116-54-7 |
| N-Nitrosodiethylamine | cancer | 55-18-5 |
| N-Nitrosodimethylamine | cancer | 62-75-9 |
| *p*-Nitrosodiphenylamine | cancer | 156-10-5 |
| N-Nitrosodiphenylamine | cancer | 86-30-6 |
| N-Nitrosodi-*n*-propylamine | cancer | 621-64-7 |
| N-Nitroso-N-ethylurea | cancer | 759-73-9 |
| N-Nitrosohexamethyleneimine | cancer | 932-83-2 |
| 3-(N-Nitrosomethylamino) propionitrile | cancer | 60153-49-3 |
| 4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone | cancer | 64091-91-4 |
| N-Nitrosomethyl-n-butylamine | cancer | 7068-83-9 |
| N-Nitrosomethyl-n-decylamine | cancer | 75881-22-0 |
| N-Nitrosomethyl-n-dodecylamine | cancer | 55090-44-3 |
| N-Nitrosomethylethylamine | cancer | 10595-95-6 |
| N-Nitrosomethyl-n-heptylamine | cancer | 16338-99-1 |
| N-Nitrosomethyl-n-hexylamine | cancer | 28538-70-7 |
| N-Nitrosomethyl-n-nonylamine | cancer | 75881-19-5 |
| N-Nitrosomethyl-n-octylamine | cancer | 34423-54-6 |
| N-Nitrosomethyl-n-pentylamine | cancer | 13256-07-0 |
| N-Nitrosomethyl-n-propylamine | cancer | 924-46-9 |
| N-Nitrosomethyl-n-tetradecylamine | cancer | 75881-20-8 |
| N-Nitrosomethyl-n-undecylamine | cancer | 68107-26-6 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| N-Nitroso-N-methylurea | cancer | 684-93-5 |
| N-Nitroso-N-methylurethane | cancer | 615-53-2 |
| N-Nitrosomethylvinylamine | cancer | 4549-40-0 |
| N-Nitrosomorpholine | cancer | 59-89-2 |
| N-Nitrosonornicotine | cancer | 16543-55-8 |
| N-Nitrosopiperidine | cancer | 100-75-4 |
| N-Nitrosopyrrolidine | cancer | 930-55-2 |
| N-Nitrososarcosine | cancer | 13256-22-9 |
| *o* -Nitrotoluene | cancer | 88-72-2 |
| Nitrous oxide [Basis for listing changed effective November 8, 2013] | developmental, female | 10024-97-2 |
| Norethisterone (Norethindrone) | cancer | 68-22-4 |
| Norethisterone (Norethindrone) | developmental | 68-22-4 |
| Norethisterone acetate (Norethindrone acetate) | developmental | 51-98-9 |
| Norethisterone (Norethindrone) /Ethinyl estradiol | developmental | 68-22-4/ 57-63-6 |
| Norethisterone (Norethindrone) /Mestranol | developmental | 68-22-4/ 72-33-3 |
| Norethynodrel | cancer | 68-23-5 |
| Norgestrel | developmental | 6533-00-2 |
| Ochratoxin A | cancer | 303-47-9 |
| Oil Orange SS | cancer | 2646-17-5 |
| Oral contraceptives, combined | cancer | --- |
| Oral contraceptives, sequential | cancer | --- |
| Oryzalin | cancer | 19044-88-3 |
| Oxadiazon | cancer | 19666-30-9 |
| Oxadiazon | developmental | 19666-30-9 |
| Oxazepam | cancer | 604-75-1 |
| Oxazepam | developmental | 604-75-1 |
| Oxydemeton methyl | female, male | 301-12-2 |
| Oxymetholone | cancer | 434-07-1 |
| Oxymetholone | developmental | 434-07-1 |
| Oxytetracycline (internal use) | developmental | 79-57-2 |
| Oxytetracycline hydrochloride (internal use) | developmental | 2058-46-0 |
| Oxythioquinox (Chinomethionat) | cancer | 2439-01-2 |
| Oxythioquinox (Chinomethionat) | developmental | 2439-01-2 |
| Paclitaxel | developmental, female, male | 33069-62-4 |
| Palygorskite fibers (> 5µm in length) | cancer | 12174-11-7 |
| Panfuran S | cancer | 794-93-4 |
| Paramethadione | developmental | 115-67-3 |
| Parathion | cancer | 56-38-2 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Penicillamine | developmental | 52-67-5 |
| pentabromodiphenyl ether mixture [DE-71 (technical grade)] | cancer | --- |
| Pentachlorophenol | cancer | 87-86-5 |
| Pentachlorophenol and by-products of its synthesis (complex mixture) | cancer | --- |
| Pentobarbital sodium | developmental | 57-33-0 |
| Pentosan polysulfate sodium | cancer | --- |
| Pentostatin | developmental | 53910-25-1 |
| Perfluorononanoic acid (PFNA) and its salts | male | --- |
| Perfluorooctane sulfonate (PFOS) | developmental | 1763-23-1 |
| Perfluorooctane sulfonic acid (PFOS) and its salts and transformation and degradation precursors | cancer | --- |
| Perfluorooctanoic acid (PFOA) | cancer | 335-67-1 |
| Perfluorooctanoic acid (PFOA) | developmental | 335-67-1 |
| Pertuzumab | developmental | 380610-27-5 |
| Phenacemide | developmental | 63-98-9 |
| Phenacetin | cancer | 62-44-2 |
| Phenazopyridine | cancer | 94-78-0 |
| Phenazopyridine hydrochloride | cancer | 136-40-3 |
| Phenesterin | cancer | 3546-10-9 |
| Phenobarbital | cancer | 50-06-6 |
| Phenolphthalein | cancer | 77-09-8 |
| Phenoxybenzamine | cancer | 59-96-1 |
| Phenoxybenzamine hydrochloride | cancer | 63-92-3 |
| Phenprocoumon | developmental | 435-97-2 |
| *o*-Phenylenediamine and its salts | cancer | 95-54-5 |
| *o*-Phenylenediamine | | |
| *o*-Phenylenediamine dihydrochloride | | |
| Phenyl glycidyl ether | cancer | 122-60-1 |
| Phenyl glycidyl ether Delisted April 4, 2014 | ~~male~~ | ~~122-60-1~~ |
| Phenylhydrazine and its salts | cancer | --- |
| Phenylhydrazine | | |
| Phenylhydrazine hydrochloride | | |
| *o*-Phenylphenate, sodium | cancer | 132-27-4 |
| *o*-Phenylphenol | cancer | 90-43-7 |
| Phenylphosphine [Basis for listing changed effective June 6, 2014] | ~~developmental~~ male | 638-21-1 |
| PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine) | cancer | 105650-23-5 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Pimozide | developmental, female | 2062-78-4 |
| Pioglitazone | cancer | 111025-46-8 |
| Pipobroman | developmental | 54-91-1 |
| Pirimicarb | cancer | 23103-98-2 |
| Plicamycin | developmental | 18378-89-7 |
| Polybrominated biphenyls | cancer | --- |
| Polybrominated biphenyls | developmental | --- |
| Polychlorinated biphenyls | cancer | --- |
| Polychlorinated biphenyls | developmental | --- |
| Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight) | cancer | --- |
| Polychlorinated dibenzo-*p*-dioxins | cancer | --- |
| Polychlorinated dibenzofurans | cancer | --- |
| Polygeenan | cancer | 53973-98-1 |
| Ponceau MX | cancer | 3761-53-3 |
| Ponceau 3R | cancer | 3564-09-8 |
| Potassium bromate | cancer | 7758-01-2 |
| Potassium dimethyldithiocarbamate | developmental | 128-03-0 |
| Pravastatin sodium | developmental | 81131-70-6 |
| Prednisolone sodium phosphate | developmental | 125-02-0 |
| Primidone | cancer | 125-33-7 |
| Procarbazine | cancer | 671-16-9 |
| Procarbazine hydrochloride | cancer | 366-70-1 |
| Procarbazine hydrochloride | developmental | 366-70-1 |
| Procymidone | cancer | 32809-16-8 |
| Progesterone | cancer | 57-83-0 |
| Pronamide | cancer | 23950-58-5 |
| Propachlor | cancer | 1918-16-7 |
| 1,3-Propane sultone | cancer | 1120-71-4 |
| Propargite | cancer | 2312-35-8 |
| Propargite | developmental | 2312-35-8 |
| Propazine | developmental, female | 139-40-2 |
| beta-Propiolactone | cancer | 57-57-8 |
| Propoxur | cancer | 114-26-1 |
| Propylene glycol mono-*t*-butyl ether | cancer | 57018-52-7 |
| Propylene oxide | cancer | 75-56-9 |
| Propylthiouracil | cancer | 51-52-5 |
| Propylthiouracil | developmental | 51-52-5 |
| Pulegone | cancer | 89-82-7 |
| Pymetrozine | cancer | 123312-89-0 |
| Pyridine | cancer | 110-86-1 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Pyrimethamine | developmental | 58-14-0 |
| Quazepam | developmental | 36735-22-5 |
| Quinoline and its strong acid salts | cancer | --- |
| Quizalofop-ethyl | male | 76578-14-8 |
| Radionuclides | cancer | --- |
| Reserpine | cancer | 50-55-5 |
| Residual (heavy) fuel oils | cancer | --- |
| Resmethrin | cancer | 10453-86-8 |
| Resmethrin | developmental | 10453-86-8 |
| Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.) | developmental | --- |
| Ribavirin | developmental | 36791-04-5 |
| Ribavirin | male | 36791-04-5 |
| Riddelliine | cancer | 23246-96-0 |
| Rifampin | developmental, female | 13292-46-1 |
| | | |
| Safrole | cancer | 94-59-7 |
| Salted fish, Chinese-style | cancer | --- |
| Secobarbital sodium | developmental | 309-43-3 |
| Sedaxane | cancer | 874967-67-6 |
| Selenium sulfide | cancer | 7446-34-6 |
| Sermorelin acetate | developmental | --- |
| Shale-oils | cancer | 68308-34-9 |
| Silica, crystalline (airborne particles of respirable size) | cancer | --- |
| Silicon carbide whiskers | cancer | --- |
| Simazine | developmental, female | 122-34-9 |
| Sodium dimethyldithiocarbamate | developmental | 128-04-1 |
| Sodium fluoroacetate | male | 62-74-8 |
| Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils) | cancer | --- |
| Spirodiclofen | cancer | 148477-71-8 |
| Spironolactone | cancer | 52-01-7 |
| Stanozolol | cancer | 10418-03-8 |
| Sterigmatocystin | cancer | 10048-13-2 |
| Streptomycin sulfate | developmental | 3810-74-0 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Streptozocin (streptozotocin) | developmental, female, male | 18883-66-4 |
| Streptozotocin (streptozocin) | cancer | 18883-66-4 |
| Strong inorganic acid mists containing sulfuric acid | cancer | --- |
| Styrene | cancer | 100-42-5 |
| Styrene oxide | cancer | 96-09-3 |
| Sulfallate | cancer | 95-06-7 |
| Sulfasalazine (Salicylazosulfapyridine) | cancer | 599-79-1 |
| Sulfasalazine (Salicylazosulfapyridine) | male | 599-79-1 |
| Sulfur dioxide[e] | developmental | 7446-09-5 |
| Sulindac | developmental, female | 38194-50-2 |
| | | |
| Talc containing asbestiform fibers | cancer | --- |
| Tamoxifen and its salts | cancer | 10540-29-1 |
| Tamoxifen citrate | developmental | 54965-24-1 |
| Temazepam | developmental | 846-50-4 |
| Teniposide | developmental | 29767-20-2 |
| Terbacil | developmental | 5902-51-2 |
| Teriparatide | cancer | 52232-67-4 |
| Terrazole | cancer | 2593-15-9 |
| Testosterone and its esters | cancer | 58-22-0 |
| Testosterone cypionate | developmental | 58-20-8 |
| Testosterone enanthate | developmental | 315-37-7 |
| Tetrabromobisphenol A | cancer | 79-94-7 |
| 3,3',4,4'-Tetrachloroazobenzene | cancer | 14047-09-7 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | cancer | 1746-01-6 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | developmental | 1746-01-6 |
| 1,1,1,2-Tetrachloroethane | cancer | 630-20-6 |
| 1,1,2,2-Tetrachloroethane | cancer | 79-34-5 |
| Tetrachloroethylene (Perchloroethylene) | cancer | 127-18-4 |
| *p-a,a,a-* Tetrachlorotoluene | cancer | 5216-25-1 |
| Tetrachlorvinphos | cancer | 22248-79-9 |
| Tetracycline (internal use) | developmental | 60-54-8 |
| Tetracyclines (internal use) | developmental | --- |
| Tetracycline hydrochloride (internal use) | developmental | 64-75-5 |
| Tetrafluoroethylene | cancer | 116-14-3 |
| $\Delta^9$-Tetrahydrocannabinol ($\Delta^9$-THC) | developmental | |
| Tetrahydrofuran | cancer | 109-99-9 |
| Tetranitromethane | cancer | 509-14-8 |
| Thalidomide | developmental | 50-35-1 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Thioacetamide | cancer | 62-55-5 |
| 4,4'-Thiodianiline | cancer | 139-65-1 |
| Thiodicarb | cancer | 59669-26-0 |
| Thioguanine | developmental | 154-42-7 |
| Thiophanate methyl | female, male | 23564-05-8 |
| Thiouracil | cancer | 141-90-2 |
| Thiourea | cancer | 62-56-6 |
| Thorium dioxide | cancer | 1314-20-1 |
| Titanium dioxide (airborne, unbound particles of respirable size) | cancer | --- |
| Tobacco, oral use of smokeless products | cancer | --- |
| Tobacco smoke | cancer | --- |
| Tobacco smoke (primary) | developmental, female, male | --- |
| Tobramycin sulfate | developmental | 49842-07-1 |
| Toluene | developmental | 108-88-3 |
| Toluene [Click here for the basis for the remov | ~~female~~ | ~~108-88-3~~ |
| Toluene diisocyanate | cancer | 26471-62-5 |
| *o*-Toluidine | cancer | 95-53-4 |
| *o*-Toluidine hydrochloride | cancer | 636-21-5 |
| para-Toluidine  Delisted October 29, 1999 [Cli | ~~cancer~~ | ~~106-49-0~~ |
| Topiramate | developmental | 97240-79-4 |
| Toxaphene (Polychlorinated camphenes) | cancer | 8001-35-2 |
| Toxins derived from *Fusarium moniliforme (Fusarium verticillioides)* | cancer | --- |
| Treosulfan | cancer | 299-75-2 |
| Triadimefon | developmental, female, male | 43121-43-3 |
| Triamterene | cancer | 396-01-0 |
| Triazolam | developmental | 28911-01-5 |
| S,S,S-Tributyl phosphorotrithioate (Tribufos, DEF) | cancer | 78-48-8 |
| Tributyltin methacrylate | developmental | 2155-70-6 |
| Trichlormethine (Trimustine hydrochloride) | cancer | 817-09-4 |
| Trichloroacetic acid | cancer | 76-03-9 |
| 1,1,1-Trichloroethane | cancer | 71-55-6 |
| Trichloroethylene | cancer | 79-01-6 |
| Trichloroethylene | developmental, male | 79-01-6 |
| 2,4,6-Trichlorophenol | cancer | 88-06-2 |
| 1,2,3-Trichloropropane | cancer | 96-18-4 |
| Trientine hydrochloride | developmental | 38260-01-4 |
| Triforine | developmental | 26644-46-2 |
| Trilostane | developmental | 13647-35-3 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Trimethadione | developmental | 127-48-0 |
| 2,4,5-Trimethylaniline and its strong acid salts | cancer | --- |
| Trimethylolpropane triacrylate, technical grade | cancer | --- |
| Trimethyl phosphate | cancer | 512-56-1 |
| Trimetrexate glucuronate | developmental | 82952-64-5 |
| TRIM® VX | cancer | --- |
| 2,4,6-Trinitrotoluene (TNT) | cancer | 118-96-7 |
| Triphenyltin hydroxide | cancer | 76-87-9 |
| Triphenyltin hydroxide | developmental | 76-87-9 |
| Tris(1-aziridinyl)phosphine sulfide (Thiotepa) | cancer | 52-24-4 |
| Tris(2-chloroethyl) phosphate | cancer | 115-96-8 |
| Tris(2,3-dibromopropyl)phosphate | cancer | 126-72-7 |
| Tris(1,3-dichloro-2-propyl) phosphate (TDCPP) | cancer | 13674-87-8 |
| Trp-P-1 (Tryptophan-P-1) | cancer | 62450-06-0 |
| Trp-P-2 (Tryptophan-P-2) | cancer | 62450-07-1 |
| Trypan blue (commercial grade) | cancer | 72-57-1 |
| | | |
| Unleaded gasoline (wholly vaporized) | cancer | --- |
| Uracil mustard | cancer | 66-75-1 |
| Uracil mustard | developmental, female, male | 66-75-1 |
| Urethane (Ethyl carbamate) | cancer | 51-79-6 |
| Urethane (Ethyl carbamate) | developmental | 51-79-6 |
| Urofollitropin | developmental | 97048-13-0 |
| | | |
| Valproate (Valproic acid) | developmental | 99-66-1 |
| Vanadium pentoxide (orthorhombic crystalline form) | cancer | 1314-62-1 |
| Vinblastine sulfate | developmental | 143-67-9 |
| Vinclozolin [basis for listing changed on November 16, 2006] | cancer | 50471-44-8 |
| Vinclozolin | developmental | 50471-44-8 |
| Vincristine sulfate | developmental | 2068-78-2 |
| Vinyl acetate | cancer | 108-05-4 |
| Vinyl bromide | cancer | 593-60-2 |
| Vinyl chloride | cancer | 75-01-4 |
| 4-Vinylcyclohexene | cancer | 100-40-3 |
| 4-Vinylcyclohexene [Click here for the basis fo | female, ~~male~~ | 100-40-3 |
| 4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide) | cancer | 106-87-6 |
| Vinyl cyclohexene dioxide (4-Vinyl-1-cyclohex | female, ~~male~~ | 106-87-6 |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| Vinyl fluoride | cancer | 75-02-5 |
| Vinylidene chloride (1,1-Dichloroethylene) | cancer | 75-35-4 |
| Vinyl trichloride (1,1,2-Trichloroethane) | cancer | 79-00-5 |
| Vismodegib | developmental, female, male | 879085-55-9 |
| | | |
| Warfarin | developmental | 81-81-2 |
| Wood dust | cancer | --- |
| | | |
| 2,6-Xylidine (2,6-Dimethylaniline) | cancer | 87-62-7 |
| | | |
| Zalcitabine | cancer | 7481-89-2 |
| Zidovudine (AZT) | cancer | 30516-87-1 |
| Zileuton | cancer, developmental, female | 111406-87-2 |
| Zineb  Delisted October 29, 1999 | ~~cancer~~ | ~~12122-67-7~~ |
| a Where a source or product results in exposures by multiple routes, the total exposure must be considered.  For example, the MADL for benzene is exceeded when the absorbed dose exceeds 24 µg/day.  If only inhalation and oral exposure occurs, the benzene MADL is exceeded when:  (oral dose ÷ 24 µg/day) + (inhalation dose ÷ 49 µg/day) > 1.0. | | |
| [b] Levels for male children and adolescents were calculated by application of the default bodyweights specified in Section 25703(a)(8) to the procedure specified in Sections 25801 and 25803 | | |
| [c] Level represents absorbed dose (rounded from 6,525 µg/day ).  Since 100% of ingested toluene is absorbed, oral dose is equivalent to administered dose.  It is assumed that roughly 50% of the dose administered by the inhalation route is absorbed.  Therefore the MADL for inhaled toluene is 13,000 µg/day (rounded from 13,050 µg/day ), corresponding to an absorbed dose of 6,525 µg/day. | | |

| Chemical | Type of Toxicity | CAS No. |
|---|---|---|
| d Butyl benzyl phthalate MADL was adopted June 25, 2013, but pursuant to Government Code section 11343.4 it becomes effective October 1, 2013. | | |
| [e] Sulfur dioxide MADL was adopted July 11, 2013, but pursuant to Government Code section 11343.4 it becomes effective October 1, 2013. | | |
| [f] Hydrogen cyanide and cyanide salts MADLs were adopted on August 7, 2013, but pursuant to Government Code section 11343.4 they become effective October 1, 2013. | | |
| N-Methyl-N-Formylhydrazine | Cancer | 758-17-8 |

# Montreal Protocol

| Chemical Name | ODP1 (Montreal Protocol) | CAS Number |
|---|---|---|
| **Group I** | | |
| CFC-11 (CCl3F) Trichlorofluoromethane | 1 | 75-69-4 |
| CFC-12 (CCl2F2) Dichlorodifluoromethane | 1 | 75-71-8 |
| CFC-113 (C2F3Cl3) 1,1,2-Trichlorotrifluoroethane | 0.8 | 76-13-1 |
| CFC-114 (C2F4Cl2) Dichlorotetrafluoroethane | 1 | 76-14-2 |
| CFC-115 (C2F5Cl) Monochloropentafluoroethane | 0.6 | 76-15-3 |
| **Group II** | | |
| Halon 1211 (CF2ClBr) Bromochlorodifluoromethane | 3 | 353-59-3 |
| Halon 1301 (CF3Br) Bromotrifluoromethane | 10 | 75-63-8 |
| Halon 2402 (C2F4Br2) Dibromotetrafluoroethane | 6 | 124-73-2 |
| **Group III** | | |
| CFC-13 (CF3Cl) Chlorotrifluoromethane | 1 | 75-72-9 |
| CFC-111 (C2FCl5) Pentachlorofluoroethane | 1 | 354-56-3 |
| CFC-112 (C2F2Cl4) Tetrachlorodifluoroethane | 1 | 76-12-0 |
| CFC-211 (C3FCl7) Heptachlorofluoropropane | 1 | 422-78-6 |
| CFC-212 (C3F2Cl6) Hexachlorodifluoropropane | 1 | 3182-26-1 |
| CFC-213 (C3F3Cl5) Pentachlorotrifluoropropane | 1 | 6/5/2354 |
| CFC-214 (C3F4Cl4) Tetrachlorotetrafluoropropane | 1 | 29255-31-0 |
| CFC-215 (C3F5Cl3) Trichloropentafluoropropane | 1 | 4259-43-2 |
| CFC-216 (C3F6Cl2) Dichlorohexafluoropropane | 1 | 661-97-2 |
| CFC-217 (C3F7Cl) Chloroheptafluoropropane | 1 | 422-86-6 |
| **Group IV** | | |
| CCl4 Carbon tetrachloride | 1.1 | 56-23-5 |
| **Group V** | | |
| Methyl Chloroform (C2H3Cl3) 1,1,1-trichloroethane | 0.1 | 71-55-6 |
| **Group VI** | | |
| Methyl Bromide (CH3Br) | 0.7 | 74-83-9 |
| **Group VII** | | |
| CHFBr2 | 1 | |
| HBFC-12B1(CHF2Br) | 0.74 | |
| CH2FBr | 0.73 | |
| C2HFBr4 | 0.3-0.8 | |
| C2HF2Br3 | 0.5-1.8 | |
| C2HF3Br2 | 0.4–1.6 | |
| C2HF4Br | 0.7–1.2 | |
| C2H2FBr3 | 0.1–1.1 | |
| C2H2F2Br2 | 0.2–1.5 | |

# Montreal Protocol

| Chemical Name | ODP1 (Montreal Protocol) | CAS Number |
|---|---|---|
| C2H2F3Br | 0.7–1.6 | |
| C2H3FBr2 | 0.1–1.7 | |
| C2H3F2Br | 0.2–1.1 | |
| C2H4FBr | 0.07–0.1 | |
| C3HFBr6 | 0.3–1.5 | |
| C3HF2Br5 | 0.2–1.9 | |
| C3HF3Br4 | 0.3–1.8 | |
| C3HF4Br3 | 0.5–2.2 | |
| C3HF5Br2 | 0.9–2.0 | |
| C3HF6Br | 0.7–3.3 | |
| C3H2FBr5 | 0.1–1.9 | |
| C3H2F2Br4 | 0.2–2.1 | |
| C3H2F3Br3 | 0.2–5.6 | |
| C3H2F4Br2 | 0.3–7.5 | |
| C3H2F5Br | 0.9–1.4 | |
| C3H3FBr4 | 0.08—1.9 | |
| C3H3F2Br3 | 0.1–3.1 | |
| C3H3F3Br2 | 0.1–2.5 | |
| C3H3F4Br | 0.3–4.4 | |
| C3H4FBr3 | 0.03–0.3 | |
| C3H4F2Br2 | 0.1–1.0 | |
| C3H4F3Br | 0.07–0.8 | |
| C3H5FBr2 | 0.04–0.4 | |
| C3H5F2Br | 0.07–0.8 | |
| C3H6FBr | 0.02–0.7 | |
| **Group VIII** | | |
| CH2BrCl Chlorobromomethane | 0.12 | |

**Class II ODS**

| **Chemical Name** | **ODP1 (Montreal Protocol)** | **CAS Number** |
|---|---|---|
| HCFC-21 (CHFCl2) Dichlorofluoromethane | 0.04 | 75-43-4 |
| HCFC-22 (CHF2Cl) Monochlorodifluoromethane | 0.055 | 75-45-6 |
| HCFC-31 (CH2FCl) Monochlorofluoromethane | 0.02 | 593-70-4 |
| HCFC-121 (C2HFCl4) Tetrachlorofluoroethane | 0.01-0.04 | 354-14-3 |
| HCFC-122 (C2HF2Cl3) Trichlorodifluoroethane | 0.02-0.08 | 354-21-2 |
| HCFC-123 (C2HF3Cl2) Dichlorotrifluoroethane | 0.02 | 306-83-2 |
| HCFC-124 (C2HF4Cl) Monochlorotetrafluoroethane | 0.022 | 2837-89-0 |
| HCFC-131 (C2H2FCl3) Trichlorofluoroethane | 0.007–0.05 | 359-28-4 |
| HCFC-132b (C2H2F2Cl2) Dichlorodifluoroethane | 0.008–0.05 | 1649-08-7 |
| HCFC-133a (C2H2F3Cl) Monochlorotrifluoroethane | 0.02–0.06 | 75-88-7 |

# Montreal Protocol

| Chemical Name | ODP1 (Montreal Protocol) | CAS Number |
|---|---|---|
| HCFC-141b (C2H3FCl2) Dichlorofluoroethane | 0.11 | 1717-00-6 |
| HCFC-142b (C2H3F2Cl) Monochlorodifluoroethane | 0.065 | 75-68-3 |
| HCFC-221 (C3HFCl6) Hexachlorofluoropropane | 0.015–0.07 | 422-26-4 |
| HCFC-222 (C3HF2Cl5) Pentachlorodifluoropropane | 0.01–0.09 | 422-49-1 |
| HCFC-223 (C3HF3Cl4) Tetrachlorotrifluoropropane | 0.01–0.08 | 422-52-6 |
| HCFC-224 (C3HF4Cl3) Trichlorotetrafluoropropane | 0.01–0.09 | 422-54-8 |
| HCFC-225ca (C3HF5Cl2) Dichloropentafluoropropane | 0.025 | 422-56-0 |
| HCFC-225cb (C3HF5Cl2) Dichloropentafluoropropane | 0.033 | 507-55-1 |
| HCFC-226 (C3HF6Cl) Monochlorohexafluoropropane | 0.02–0.1 | 431-87-8 |
| HCFC-231 (C3H2FCl5) Pentachlorofluoropropane | 0.05–0.09 | 421-94-3 |
| HCFC-232 (C3H2F2Cl4) Tetrachlorodifluoropropane | 0.008–0.1 | 460-89-9 |
| HCFC-233 (C3H2F3Cl3) Trichlorotrifluoropropane | 0.007–0.23 | 7125-84-0 |
| HCFC-234 (C3H2F4Cl2) Dichlorotetrafluoropropane | 0.01–0.28 | 425-94-5 |
| HCFC-235 (C3H2F5Cl) Monochloropentafluoropropane | 0.03–0.52 | 460-92-4 |
| HCFC-241 (C3H3FCl4) Tetrachlorofluoropropane | 0.004–0.09 | 666-27-3 |
| HCFC-242 (C3H3F2Cl3) Trichlorodifluoropropane | 0.005–0.13 | 460-63-9 |
| HCFC-243 (C3H3F3Cl2) Dichlorotrifluoropropane | 0.007–0.12 | 460-69-5 |
| HCFC-244 (C3H3F4Cl) Monochlorotetrafluoropropane | 0.009–0.14 | |
| HCFC-251 (C3H4FCl3) Monochlorotetrafluoropropane | 0.001–0.01 | 421-41-0 |
| HCFC-252 (C3H4F2Cl2) Dichlorodifluoropropane | 0.005–0.04 | 819-00-1 |
| HCFC-253 (C3H4F3Cl) Monochlorotrifluoropropane | 0.003–0.03 | 460-35-5 |
| HCFC-261 (C3H5FCl2) Dichlorofluoropropane | 0.002–0.02 | 420-97-3 |
| HCFC-262 (C3H5F2Cl) Monochlorodifluoropropane | 0.002–0.02 | 421-02-03 |
| HCFC-271 (C3H6FCl) Monochlorofluoropropane | 0.001–0.03 | 430-55-7 |

# Radioactive Substances

| Chemical Name |
| --- |
| Cesium |
| Cobalt |
| Iodine |
| Ionizing Radiation |
| Plutonium |
| Radium |
| Radon |
| Strontium |
| Thorium |
| Uranium |

# PFC and PFAS Substances

| Chemical Name |
| --- |
| PFOS - Per or polyfluorooctanesulfonic acid |
| PFOA - Perfluorooctanoic acid |
| PFNA - Perfluorononanoic acid |
| PFBA - Perfluorobutyric acid |
| PFBS - Perfluorobutane sulfonic acid |
| PFPeA - Perfluoropentanoic acid |
| PFHxS - Perfluorohexane sulfonic acid |
| GenX |
| C8 Perfluorinated carboxylic acid |
| ADONA |
| PFHxA - Perfluorohexanoic acid |
| PFHpA - Perfluoroheptanoic acid |
| PFSOA - Perfluorooctane sulfonamide |
| PFDA - Perfluorodecanoic acid |
| PFDS - Perfluorodecane sulfonate |
| PFUnA - Perfluoroundecanoic acid |
| PFDoA - Perfluorododecanoic acid |
| PFTrDA - Perfluorotridecanoic acid |
| PFTeDA - Perfluorotetradecanoic acid |
| 6:2 FTS - 6:2 fluorotelomer sulfonate |
| Any associated salts, acids, alcohols, precursor chemicals or related higher homologue chemicals. |