

Supplier Declaration for Articles/substances Provided

We declare that information provided in the table below is true and complete to the best of our knowledge and that the articles we provide are compliant to restrictions on substances listed in Annex XVII of REACH.

ECHA webpage: Annex XVII of REACH <https://www.echa.europa.eu/candidate-list-table>
 Supplier Name: SLAT Date: 19/09/24
 Supplier Address: 7B rue Jean-Baptiste Dupuy Name of Individual / Contact Phone Providing Detail: ROUX Sébastien / 04 78 66 63 60
 69410 CHAMPAGNE-AU-MONT-D'OR

REACH SVHC List (original list released on October 28, 2008)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|--------------------------|-----------|--|--|------------------|
| 4,4'- Diaminodiphenylmethane (MDA) | 101-77-9 | 202-974-4 | N | Carcinogenic (Article 57a) | |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) | 81-15-2 | 201-329-4 | N | vPvB (Article 57e) | |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 | 287-476-5 | N | PBT (Article 57d) vPvB (Article 57e) | |
| Anthracene | 120-12-7 | 204-371-1 | N | PBT (Article 57d) | |
| Benzyl butyl phthalate (BBP) | 85-68-7 | 201-622-7 | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | |
| Bis (2-ethylhexyl)phthalate (DEHP) | 117-81-7 | 204-211-0 | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) | |
| Bis(tributyltin) oxide (TBTO) | 56-35-9 | 200-268-0 | N | Endocrine disrupting properties (Article 57(f) - human health) PBT (Article 57d) | |
| Cobalt dichloride | 7646-79-9 | 231-589-4 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Diarsenic pentaoxide | 1303-28-2 | 215-116-9 | N | Carcinogenic (Article 57a) | |
| Diarsenic trioxide | 1327-53-3 | 215-481-4 | N | Carcinogenic (Article 57a) | |
| Dibutyl phthalate (DBP) | 84-74-2 | 201-557-4 | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | |
| Hexabromocyclododecane (HBCDD) | - | - | N | PBT (Article 57d) | |
| 1,2,5,6,9,10-hexabromocyclododecane | 3194-55-6 | 221-695-9 | N | PBT (Article 57d) | |
| Hexabromocyclododecane | 25637-99-4 | 247-148-4 | N | PBT (Article 57d) | |
| alpha-hexabromocyclododecane | 134237-50-6 | - | N | PBT (Article 57d) | |
| beta-hexabromocyclododecane | 134237-51-7 | - | N | PBT (Article 57d) | |
| gamma-hexabromocyclododecane | 134237-52-8 | - | N | PBT (Article 57d) | |
| Lead hydrogen arsenate | 7784-40-9 | 232-064-2 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Sodium dichromate | 10588-01-9, 7789-12-0 | 234-190-3 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| Triethyl arsenate | 15606-96-8 | 427-700-2 | N | Toxic for reproduction (Article 57c) Carcinogenic (Article 57a) | |

REACH SVHC Substances (released on January 13, 2010)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|--|------------------|
| 2,4-dinitrotoluene | 121-14-2 | 204-450-0 | N | Carcinogenic (Article 57a) | |
| Anthracene oil | 90640-80-5 | 292-602-7 | N | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | |
| Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | |
| Anthracene oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | |
| Anthracene oil, anthracene paste, distn. lights | 91995-17-4 | 295-278-5 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | |
| Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) PBT (Article 57d) vPvB (Article 57e) | |
| Diisobutyl phthalate | 84-69-5 | 201-553-2 | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | |
| Lead chromate | 7758-97-6 | 231-846-0 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 12656-85-8 | 235-759-9 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 1344-37-2 | 215-693-7 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Pitch, coal tar, high-temp. | 65996-93-2 | 266-028-2 | N | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | |
| Tris(2-chloroethyl) phosphate | 115-96-8 | 204-118-5 | N | Toxic for reproduction (Article 57c) | |

REACH SVHC Substances (released on March 30, 2010)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|----------------|------------|-----------|--|---|------------------|
| Acrylamide | 79-06-1 | 201-173-7 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |

REACH SVHC Substances (released on June 18, 2010)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|-------------------------------------|-----------|--|---|------------------|
| Ammonium dichromate | 7789-09-5 | 232-143-1 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | |
| Boric acid | - | - | N | Toxic for reproduction (Article 57c) | |
| Boric acid, crude natural | 11113-50-1 | 234-343-4 | N | Toxic for reproduction (Article 57c) | |
| Boric acid | 10043-35-3 | 233-139-2 | N | Toxic for reproduction (Article 57c) | |
| Disodium tetraborate, anhydrous | 12179-04-3, 1303-96-4, 1330-43-4 | 215-540-4 | N | Toxic for reproduction (Article 57c) | |
| Potassium chromate | 7789-00-6 | 232-140-5 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| Potassium dichromate | 7778-50-9 | 231-906-6 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) | |
| Sodium chromate | 7775-11-3 | 231-889-5 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| Tetraboron disodium heptaoxide, hydrate | 12267-73-1 | 235-541-3 | N | Toxic for reproduction (Article 57c) | |
| Trichloroethylene | 79-01-6 | 201-167-4 | N | Carcinogenic (Article 57a) | |

REACH SVHC Substances (released on December 15, 2010)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|------------|-----------|--|--|------------------|
| 2-ethoxyethanol | 110-90-5 | 203-804-1 | N | Toxic for reproduction (Article 57c) | |
| 2-methoxyethanol | 109-86-4 | 203-713-7 | N | Toxic for reproduction (Article 57c) | |
| Acids generated from chromium trioxide and their oligomers | - | - | N | Carcinogenic (Article 57a) | |
| Dichromic acid | 13530-68-2 | 236-881-5 | N | Carcinogenic (Article 57a) | |
| Oligomers of chromic acid and dichromic acid | - | - | N | Carcinogenic (Article 57a) | |
| Chromic acid | 7738-94-5 | 231-801-5 | N | Carcinogenic (Article 57a) | |
| Chromium trioxide | 1333-82-0 | 215-607-8 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| Cobalt(II) carbonate | 513-79-1 | 208-169-4 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Cobalt(II) diacetate | 71-48-7 | 200-755-8 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Cobalt(II) dinitrate | 10141-05-6 | 233-402-1 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| Cobalt(II) sulphate | 10124-43-3 | 233-334-2 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |

REACH SVHC Substances (released on June 20, 2011)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|---------------------|-----------|--|--|------------------|
| 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | N | Carcinogenic (Article 57a) Toxic for reproduction (Article 57c) | |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | N | Toxic for reproduction (Article 57c) | |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | N | Toxic for reproduction (Article 57c) | |
| 1-Methyl-2-pyrrolidone (NMP) | 872-50-4 | 212-828-1 | N | Toxic for reproduction (Article 57c) | |
| 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 | N | Toxic for reproduction (Article 57c) | |
| Hydrazine | 302-01-2, 7803-57-8 | 206-114-9 | N | Carcinogenic (Article 57a) | |
| Strontium chromate | 7789-06-2 | 232-142-6 | N | Carcinogenic (Article 57a) | |

REACH SVHC Substances (released on December 19, 2011)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|-------------|-----------|--|---|------------------|
| 1,2-dichloroethane | 107-06-2 | 203-458-1 | N | Carcinogenic (Article 57a) | |
| 2,2'-dichloro-4,4'-methylene dianiline | 101-14-4 | 202-918-9 | N | Carcinogenic (Article 57a) | |
| 2-Methoxyaniline, o-Anisidine | 90-04-0 | 201-963-1 | N | Carcinogenic (Article 57a) | |
| 4-(1,1,3,3-tetramethylbutyl)phenol | 140-66-9 | 205-426-2 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Aluminosilicate Refractory Ceramic Fibres | - | - | N | Carcinogenic (Article 57a) | |
| Refractories, fibers, aluminosilicate | 142844-00-6 | - | N | Carcinogenic (Article 57a) | |
| Arsenic acid | 7778-39-4 | 231-901-9 | N | Carcinogenic (Article 57a) | |
| Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | N | Toxic for reproduction (Article 57c) | |
| Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | N | Toxic for reproduction (Article 57c) | |
| Calcium arsenate | 7778-44-1 | 231-904-5 | N | Carcinogenic (Article 57a) | |
| Dichromium tris(chromate) | 24613-89-6 | 246-356-2 | N | Carcinogenic (Article 57a) | |
| Formaldehyde, oligomeric reaction products with aniline | 25214-70-4 | 500-036-1 | N | Carcinogenic (Article 57a) | |
| Lead diazide, Lead azide | 13424-46-9 | 236-542-1 | N | Toxic for reproduction (Article 57c) | |
| Lead dipicrate | 6477-64-1 | 229-335-2 | N | Toxic for reproduction (Article 57c) | |
| Lead stypnate | 15245-44-0 | 239-290-0 | N | Toxic for reproduction (Article 57c) | |
| N,N-dimethylacetamide | 127-19-5 | 204-826-4 | N | Toxic for reproduction (Article 57c) | |
| Pentazinc chromate octahydroxide | 49663-84-5 | 256-418-0 | N | Carcinogenic (Article 57a) | |
| Phenolphthalein | 77-09-8 | 201-004-7 | N | Carcinogenic (Article 57a) | |
| Potassium hydroxyoctaoxodizincatedichromate | 11103-86-9 | 234-329-8 | N | Carcinogenic (Article 57a) | |
| Trilead diarsenate | 3687-31-8 | 222-979-5 | N | Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c) | |
| Zirconia Aluminosilicate Refractory Ceramic Fibres | - | - | N | Carcinogenic (Article 57a) | |
| Refractories, fibers, aluminosilicate | 142844-00-6 | - | N | Carcinogenic (Article 57a) | |

REACH SVHC Substances (released on June 18, 2012)

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| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|--------------------------------------|------------------|
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | N | Toxic for reproduction (Article 57c) | |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | N | Toxic for reproduction (Article 57c) | |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC) | 2451-62-9 | 219-514-3 | N | Mutagenic (Article 57b) | |
| 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 | 423-400-0 | N | Mutagenic (Article 57b) | |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 | 209-218-2 | N | Carcinogenic (Article 57a) | |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | N | Carcinogenic (Article 57a) | |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) | 548-62-9 | 208-953-6 | N | Carcinogenic (Article 57a) | |
| [4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) | 2580-56-5 | 219-943-6 | N | Carcinogenic (Article 57a) | |
| Diboron trioxide | 1303-86-2 | 215-125-8 | N | Toxic for reproduction (Article 57c) | |
| Formamide | 75-12-7 | 200-842-0 | N | Toxic for reproduction (Article 57c) | |
| Lead(II) bis(methanesulfonate) | 17570-76-2 | 401-750-5 | N | Toxic for reproduction (Article 57c) | |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | N | Carcinogenic (Article 57a) | |
| α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) | 6786-83-0 | 229-851-8 | N | Carcinogenic (Article 57a) | |

REACH SVHC Substances (released on December 19, 2012)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|-------------|-----------|--|---|------------------|
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | 84777-06-0 | 284-032-2 | N | Toxic for reproduction (Article 57c) | |
| 1,2-dithoxyethane | 629-14-1 | 211-076-1 | N | Toxic for reproduction (Article 57c) | |
| 1-bromopropane (n-propyl bromide) | 106-94-5 | 203-445-0 | N | Toxic for reproduction (Article 57c) | |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 143860-04-2 | 421-150-7 | N | Toxic for reproduction (Article 57c) | |
| 4,4'-methylene-di-o-toluidine | 838-88-0 | 212-658-8 | N | Carcinogenic (Article 57a) | |
| 4,4'-oxydianiline and its salts | - | - | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| 4,4'-oxydianiline | 101-80-4 | 202-977-0 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated | - | - | N | 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 | 219-682-8 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy- | 9036-19-5 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol | 2315-67-5 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol | 2315-61-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether | 9002-93-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-aminoazobenzene | 60-09-3 | 200-453-6 | N | Carcinogenic (Article 57a) | |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | 202-453-1 | N | Carcinogenic (Article 57a) | |
| 4-Nonylphenol, branched and linear | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(1-ethyl-1-methylhexyl)phenol | 52427-13-1 | 257-907-1 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| p-isononylphenol | 26543-97-5 | 247-770-6 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| p-nonylphenol | 1044-40-5 | 203-193-4 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| p-(1-methyloctyl)phenol | 17404-66-9 | 241-427-4 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, 4-nonyl-, branched | 84852-15-3 | 284-325-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(1-Ethyl-1,3-dimethylpentyl)phenol | 186825-36-5 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(1-Ethyl-1,4-dimethylpentyl)phenol | 142731-63-3 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| p-(1,1-dimethylheptyl)phenol | 30784-30-6 | 250-339-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3-ethylheptan-2-yl)phenol | 186825-39-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol | 25154-52-3 | 246-672-0 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Isononylphenol | 11066-49-2 | 234-284-4 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(1,1,5-Trimethylhexyl)phenol | 521947-27-3 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, nonyl-, branched | 90481-04-2 | 291-844-0 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 6-methoxy-m-toluidine (p-cresidine) | 120-71-8 | 204-419-1 | N | Carcinogenic (Article 57a) | |
| [Phthalato(2)]dioxotrilead | 69011-06-9 | 273-688-5 | N | Toxic for reproduction (Article 57c) | |
| Acetic acid, lead salt, basic | 51404-69-4 | 257-175-3 | N | Toxic for reproduction (Article 57c) | |
| Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | N | Carcinogenic (Article 57a) PBT (Article 57d) | |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) | 1163-19-5 | 214-604-9 | N | vPvB (Article 57e) | |
| Cyclohexane-1,2-dicarboxylic anhydride | 13149-00-3 | 236-086-3 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| cis-cyclohexane-1,2-dicarboxylic anhydride | 14166-21-3 | 238-009-9 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| trans-cyclohexane-1,2-dicarboxylic anhydride | 85-42-7 | 201-604-9 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Cyclohexane-1,2-dicarboxylic anhydride | 85-42-7 | 201-604-9 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) | 123-77-3 | 204-650-8 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Dibutyltin dichloride (DBTC) | 683-18-1 | 211-670-0 | N | Toxic for reproduction (Article 57c) | |
| Diethyl sulphate | 64-67-5 | 200-589-6 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| Diisopentyl phthalate | 605-50-5 | 210-088-4 | N | Toxic for reproduction (Article 57c) | |
| Dimethyl sulphate | 77-78-1 | 201-058-1 | N | Carcinogenic (Article 57a) | |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | 201-861-7 | N | Toxic for reproduction (Article 57c) | |
| Dioxobis(stearato)trilead | 12578-12-0 | 235-702-8 | N | Toxic for reproduction (Article 57c) | |
| Fatty acids, C16-18, lead salts | 91031-62-8 | 292-966-7 | N | Toxic for reproduction (Article 57c) | |
| Furan | 110-00-9 | 203-727-3 | N | Carcinogenic (Article 57a) | |
| Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 | N | vPvB (Article 57e) | |
| Heptacosafuoroheptadecanoic acid | 376-06-7 | 206-803-4 | N | vPvB (Article 57e) | |
| Hexahydro-1-methylphthalic anhydride | 48122-14-1 | 256-356-4 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Hexahydro-2-methylphthalic anhydride | 25550-51-0 | 247-094-1 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Hexahydro-3-methylphthalic anhydride | 19438-60-9 | 243-072-0 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Hexahydro-4-methylphthalic anhydride | 57110-29-9 | 260-566-1 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Lead bis(tetrafluoroborate) | 13814-96-5 | 237-486-0 | N | Toxic for reproduction (Article 57c) | |
| Lead cyanamidate | 20837-86-9 | 244-073-9 | N | Toxic for reproduction (Article 57c) | |
| Lead dinitrate | 10099-74-8 | 233-245-9 | N | Toxic for reproduction (Article 57c) | |
| Lead monoxide (lead oxide) | 1317-36-8 | 215-267-0 | N | Toxic for reproduction (Article 57c) | |
| Lead oxide sulfate | 12036-76-9 | 234-853-7 | N | Toxic for reproduction (Article 57c) | |
| Lead titanium trioxide | 12060-00-3 | 235-038-9 | N | Toxic for reproduction (Article 57c) | |
| Lead titanium zirconium oxide | 12626-81-2 | 235-727-4 | N | Toxic for reproduction (Article 57c) | |
| Methoxyacetic acid | 625-45-6 | 210-894-6 | N | Toxic for reproduction (Article 57c) | |
| Methyloxirane (Propylene oxide) | 75-56-9 | 200-879-2 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |
| N,N-dimethylformamide | 68-12-2 | 200-679-5 | N | Toxic for reproduction (Article 57c) | |
| N-methylacetamide | 79-16-3 | 201-182-6 | N | Toxic for reproduction (Article 57c) | |
| n-pentyl-isopentyl phthalate | 776297-69-9 | - | N | Toxic for reproduction (Article 57c) | |
| o-aminoazotoluene | 97-56-3 | 202-591-2 | N | Carcinogenic (Article 57a) | |
| o-toluidine | 95-53-4 | 202-429-0 | N | Carcinogenic (Article 57a) | |
| Orange lead (lead tetroxide) | 1314-41-6 | 215-235-6 | N | Toxic for reproduction (Article 57c) | |
| Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 | N | vPvB (Article 57e) | |
| Pentalead tetraoxide sulphate | 12065-90-6 | 235-067-7 | N | Toxic for reproduction (Article 57c) | |
| Pyrochlore, antimony lead yellow | 8012-00-8 | 232-382-1 | N | Toxic for reproduction (Article 57c) | |
| Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped | 68784-75-8 | 272-271-5 | N | Toxic for reproduction (Article 57c) | |
| Silicic acid, lead salt | 11120-22-2 | 234-363-3 | N | Toxic for reproduction (Article 57c) | |
| Sulfurous acid, lead salt, dibasic | 62229-08-7 | 263-467-1 | N | Toxic for reproduction (Article 57c) | |
| Tetraethyllead | 78-00-2 | 201-075-4 | N | Toxic for reproduction (Article 57c) | |
| Tetralead trioxide sulphate | 12202-17-4 | 235-380-9 | N | Toxic for reproduction (Article 57c) | |
| Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | N | vPvB (Article 57e) | |
| Trilead bis(carbonate) difluoride | 1319-46-6 | 215-290-6 | N | Toxic for reproduction (Article 57c) | |
| Trilead dioxide phosphonate | 12141-20-7 | 235-252-2 | N | Toxic for reproduction (Article 57c) | |

REACH SVHC Substances (released on June 20, 2013)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|--------------|-----------|--|---|------------------|
| 4-Nonylphenol, branched and linear, ethoxylated | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy-, branched | 68412-54-4 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[2-(4-nonylphenoxy)ethoxy]ethanol | 20427-84-3 | 243-816-4 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol | 27942-27-4 | 248-743-1 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethanol | 7311-27-5 | 230-770-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Poly (oxy-1,2-ethanediyl), alpha -(nonylphenyl)-omega-hydroxy-, branched | 68412-54-4 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (15-EO) | 9016-45-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (10-EO) | 9016-45-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (8-EO) | 9016-45-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (6,5-EO) | 9016-45-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxaheacosan -1-ol | 14409-72-4 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, branched, ethoxylated | 68412-54-4 | 500-209-1 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-Nonylphenol, ethoxylated | 26027-38-3 | 500-045-0 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated | 9016-45-9 | 500-024-6 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-ω-hydroxy- | 9016-45-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(nonylphenoxy)- | 27177-01-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 29-(nonylphenoxy)-3,6,9,12,15,18,21,24,27-nonaaxanacosanol | 27177-08-8 | 248-294-1 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)- | 20636-48-0 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-(nonylphenoxy)ethanol | 27986-36-3 | 248-762-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-(4-nonylphenoxy)ethanol | 104-35-8 | 881-745-6 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-t-Nonylphenol-diethoxylate | 156609-10-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenolpolyglycoether | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol | 1119449-37-4 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy]ethanol | 1119449-38-5 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (polymer) | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (EO = 4) | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonylphenol, ethoxylated (EO = 10) | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 14-(nonylphenoxy)-3,6,9,12-tetraoxatetradecan-1-ol | 26264-02-8 | 247-555-7 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Isononylphenol, ethoxylated | 37205-87-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 17-(4-nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol | 34166-38-6 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 20-(nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol | 27177-03-3 | 248-292-0 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | 500-315-8 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-[2-(nonylphenoxy)ethoxy]ethanol | 27176-93-8 | 248-291-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxaheacosan-1-ol | 26571-11-9 | 247-816-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 44-(nonylphenoxy)-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaaxatetradecanol | 57321-10-5 | 260-678-0 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)-, branched | 91648-64-5 | 293-926-1 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2-(isononylphenoxy)ethanol | 85005-55-6 | 284-987-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 20-(isononylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol | 65455-69-8 | 265-785-6 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxaheacosan-1-ol | 42173-90-0 | 255-695-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 3,6,9,12,15,18,21,24,27-Nonaaxanacosan-1-ol, 29-(isononylphenoxy)- | 65455-72-3 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 23-(nonylphenoxy)-3,6,9,12,15,18,21-heptaoxaicosan-1-ol | 27177-05-5 | 248-293-6 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 | N | PBT (Article 57d) | |
| Cadmium | 7440-43-9 | 231-152-8 | N | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Cadmium oxide | 1306-19-0 | 215-146-2 | N | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 | N | Toxic for reproduction (Article 57c) | |
| Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |

REACH SVHC Substances (released on December 16, 2013)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|---|------------------|
| Cadmium sulphide | 1306-23-6 | 215-147-8 | N | Carcinogenic (Article 57a) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Dihexyl phthalate | 84-75-3 | 201-559-5 | N | Toxic for reproduction (Article 57c) | |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 573-58-0 | 209-358-4 | N | Carcinogenic (Article 57a) | |
| 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 | 217-710-3 | N | Carcinogenic (Article 57a) | |
| Imidazolidine-2-thione (2-imidazoline-2-thiol) | 96-45-7 | 202-506-9 | N | Toxic for reproduction (Article 57c) | |
| Lead diacetate | 301-04-2 | 206-104-4 | N | Toxic for reproduction (Article 57c) | |
| Trixylyl phosphate | 25155-23-1 | 246-677-8 | N | Toxic for reproduction (Article 57c) | |

| REACH SVHC Substances (released on June 16, 2014) | | | | | |
|---|-------------|-----------|--|--|------------------|
| Do the parts or materials within your supply chain contain any of the following? | | | | | |
| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | N | Toxic for reproduction (Article 57c) | |
| Cadmium chloride | 10108-64-2 | 233-296-7 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Sodium perborate, perboric acid, sodium salt | - | - | N | Toxic for reproduction (Article 57c) | |
| Perboric acid, sodium salt, tetrahydrate (I) | 37244-98-7 | - | N | Toxic for reproduction (Article 57c) | |
| Perboric acid (HBO(O ₂)), sodium salt, tetrahydrate | 10486-00-7 | - | N | Toxic for reproduction (Article 57c) | |
| Sodium perborate monohydrate | 10332-33-9 | - | N | Toxic for reproduction (Article 57c) | |
| Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium, hydrate (1:2:6) | 125022-34-6 | - | N | Toxic for reproduction (Article 57c) | |
| Borate(2-), tetrahydroxybis[μ-(peroxy-κO1:κO2)]di-, sodium (1:2) | 90568-23-3 | - | N | Toxic for reproduction (Article 57c) | |
| Perboric acid, sodium salt | 11138-47-9 | 234-390-0 | N | Toxic for reproduction (Article 57c) | |
| Perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt, trihydrate | 13517-20-9 | - | N | Toxic for reproduction (Article 57c) | |
| Sodium perborate | 15120-21-5 | 239-172-9 | N | Toxic for reproduction (Article 57c) | |
| Sodium peroxometaborate | 7632-04-4 | 231-556-4 | N | Toxic for reproduction (Article 57c) | |

| REACH SVHC Substances (released on December 17, 2014) | | | | | |
|--|---------------------------|-----------|--|--|------------------|
| Do the parts or materials within your supply chain contain any of the following? | | | | | |
| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 | N | PBT (Article 57d) vPvB (Article 57e) | |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 | N | PBT (Article 57d) vPvB (Article 57e) | |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 15571-58-1 | 239-622-4 | N | Toxic for reproduction (Article 57c) | |
| Cadmium fluoride | 7790-79-6 | 232-222-0 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Cadmium sulphate | 10124-36-4, 31119-53-6 | 233-331-6 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| 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) | - | - | N | Toxic for reproduction (Article 57c) | |

| REACH SVHC Substances (released on June 15, 2015) | | | | | |
|--|-------------|-----------|--|--------------------------------------|------------------|
| Do the parts or materials within your supply chain contain any of the following? | | | | | |
| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters | - | - | N | Toxic for reproduction (Article 57c) | |
| 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters | 68648-93-1 | 272-013-1 | N | Toxic for reproduction (Article 57c) | |
| 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters | 68515-51-5 | 271-094-0 | N | 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] | - | - | N | vPvB (Article 57e) | |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | - | - | N | 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 | - | N | 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 | - | 413-720-9 | N | vPvB (Article 57e) | |
| 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | 117933-89-8 | - | N | vPvB (Article 57e) | |
| 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 | - | - | N | vPvB (Article 57e) | |
| 1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexen-1-yl)-5-methyl-5-(1-methylpropyl)- | 186309-28-4 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | 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 | - | N | vPvB (Article 57e) | |
| 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane | - | - | N | vPvB (Article 57e) | |

REACH SVHC Substances (released in December 17, 2015)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|------------|-----------|--|---|------------------|
| 1,3-propanesultone | 1120-71-4 | 214-317-9 | N | Carcinogenic (Article 57a) | |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 | N | vPvB (Article 57e) | |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 | N | vPvB (Article 57e) | |
| Nitrobenzene | 98-95-3 | 202-716-0 | N | Toxic for reproduction (Article 57c) | |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts | - | - | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| Perfluorononan-1-oic-acid | 375-95-1 | 206-801-3 | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| Sodium salts of perfluorononan-1-oic-acid | 21049-39-8 | - | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| Ammonium salts of perfluorononan-1-oic-acid | 4149-60-4 | - | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |

REACH SVHC Substances (released on June 20, 2016)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|-------------------------------------|------------|-----------|--|--|------------------|
| Benzo[def]chrysene (Benzo[a]pyrene) | 50-32-8 | 200-028-5 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) | |

REACH SVHC Substances (released on January 12, 2017)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|--------------|-----------|--|--|------------------|
| 4,4'-isopropylidenediphenol | 80-05-7 | 201-245-8 | N | Toxic for reproduction (Article 57c) | |
| 4-heptylphenol, branched and linear | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-heptylphenol | 1987-50-4 | 217-862-0 | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| Phenol, heptyl derivs. | 72624-02-3 | 276-743-1 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3-ethylpentan-3-yl)phenol | 37872-24-5 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(2-methylhexan-2-yl)phenol | 30784-31-7 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3,3-dimethylpentan-2-yl)phenol | 911371-06-7 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3-methylhexan-2-yl)phenol | 854904-93-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(4,4-dimethylpentan-2-yl)phenol | 911371-07-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(4-methylhexan-2-yl)phenol | 71945-81-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(5-methylhexan-2-yl)phenol | 857629-71-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(2,2-dimethylpentan-3-yl)phenol | 861010-65-3 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, 4-(1-ethyl-1,2-dimethylpropyl)- | 30784-27-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(heptan-3-yl)phenol | 6465-74-3 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(heptan-2-yl)phenol | 6863-24-7 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(heptan-4-yl)phenol | 6465-71-0 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3-ethylpentyl)phenol | 911370-98-4 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3-methylhexyl)phenol | 102570-52-5 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(4-methylhexyl)phenol | 1139800-98-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(5-methylhexyl)phenol | 100532-36-3 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(2,4-dimethylpentan-3-yl)phenol | 1824346-00-0 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, 4-tert-heptyl- | 288864-02-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(2,3-dimethylpentan-2-yl)phenol | 861011-60-1 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(3-methylhexan-3-yl)phenol | 30784-32-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(2,4-dimethylpentan-2-yl)phenol | 33104-11-9 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(2,3,3-trimethylbutan-2-yl)phenol | 72861-06-4 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 4-(5-methylhexan-3-yl)phenol | 854904-92-0 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | - | - | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| Nonadecafluorodecanoic acid | 335-76-2 | 206-400-3 | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| sodium nonadecafluorodecanoate | 3830-45-3 | - | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| Ammonium nonadecafluorodecanoate | 3108-42-7 | 221-470-5 | N | Toxic for reproduction (Article 57c) PBT (Article 57d) | |
| p-(1,1-dimethylpropyl)phenol | 80-46-6 | 201-280-9 | N | Endocrine disrupting properties (Article 57(f) - environment) | |

REACH SVHC Substances (released on July 7, 2017)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|--------------|-----------|--|--------------------|------------------|
| Perfluorohexane-1-sulphonic acid and its salts | - | - | N | vPvB (Article 57e) | |
| perfluorohexane-1-sulphonic acid | 355-46-4 | 206-587-1 | N | vPvB (Article 57e) | |
| ammonium perfluorohexane-1-sulphonate | 68259-08-5 | 269-511-6 | N | vPvB (Article 57e) | |
| tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) | 70225-16-0 | 274-462-9 | N | vPvB (Article 57e) | |
| potassium perfluorohexane-1-sulphonate | 3871-99-6 | 223-393-2 | N | vPvB (Article 57e) | |
| Ethaniminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 1310480-24-0 | - | N | vPvB (Article 57e) | |
| Methaniminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 1310480-27-3 | - | N | vPvB (Article 57e) | |
| Methaniminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 1310480-28-4 | - | N | vPvB (Article 57e) | |
| Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) | 1329995-45-0 | - | N | vPvB (Article 57e) | |
| Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) | 1329995-69-8 | - | N | vPvB (Article 57e) | |
| Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 144116-10-9 | - | N | vPvB (Article 57e) | |
| Quinolinium, 1-(carboxymethyl)-4-[2-[4-(2,2-diphenylethyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 1462414-59-0 | - | N | vPvB (Article 57e) | |
| Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 153443-35-7 | - | N | vPvB (Article 57e) | |
| Methaniminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) | 189274-31-5 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1) | 202189-84-2 | - | N | vPvB (Article 57e) | |
| Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 213740-81-9 | - | N | vPvB (Article 57e) | |
| Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 341548-85-4 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1) | 350836-93-0 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1) | 41184-65-0 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1) | 41242-12-0 | - | N | vPvB (Article 57e) | |
| Sulfonium, (thiodi-4,1-phenylene)bis(diphenyl)-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2) | 421555-73-9 | - | N | vPvB (Article 57e) | |
| Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) | 421555-74-0 | - | N | vPvB (Article 57e) | |
| Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 425670-70-8 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) | 55120-77-9 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt | 70136-72-0 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1) | 72033-41-1 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt | 82382-12-5 | - | N | vPvB (Article 57e) | |
| Iodonium, bis(1,1-dimethylethyl)phenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9Cl) | 866621-50-3 | - | N | vPvB (Article 57e) | |
| Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 910606-39-2 | - | N | vPvB (Article 57e) | |
| Sulfonium, [4-[[2-methyl-1-oxo-2-propen-1-yl]oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 911027-68-4 | - | N | vPvB (Article 57e) | |
| Sulfonium, [4-[[2-methyl-1-oxo-2-propenyl]oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 ^{3,7} dec-1-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7} dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate | 911027-69-5 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) | 92011-17-1 | - | N | vPvB (Article 57e) | |
| Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 928049-42-7 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) | 1187817-57-7 | - | N | vPvB (Article 57e) | |
| N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate | 108427-55-0 | - | N | vPvB (Article 57e) | |
| N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate | 108427-54-9 | - | N | vPvB (Article 57e) | |
| Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) | 1000597-52-3 | - | N | vPvB (Article 57e) | |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl) | 341035-71-0 | - | N | vPvB (Article 57e) | |

REACH SVHC Substances (released on January 15, 2018)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|--------------|-----------|--|--|------------------|
| 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene ("Dechlorane Plus™") | - | - | N | vPvB (Article 57e) | |
| (1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene | 135821-03-3 | - | N | vPvB (Article 57e) | |
| 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene | 13560-89-9 | 236-948-9 | N | vPvB (Article 57e) | |
| (1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene | 135821-74-8 | - | N | vPvB (Article 57e) | |
| rac-(1R,4S,4aS,8aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4,7,10-dimethanodibenzof[a,e]cyclooctene | - | - | N | vPvB (Article 57e) | |
| rac-(1R,4S,4aS,8aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4,7,10-dimethanodibenzof[a,e]cyclooctene | - | - | N | vPvB (Article 57e) | |
| Benzo[a]anthracene | 56-55-3 | 200-280-6 | N | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | |
| Cadmium carbonate | 513-78-0 | 208-168-9 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Cadmium hydroxide | 21041-95-2 | 244-168-5 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Cadmium nitrate | 10325-94-7 | 233-710-6 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health) | |
| Chrysene | 218-01-9 | 205-923-4 | N | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine | 93925-00-9 | 300-298-5 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. | 1471311-26-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |

REACH SVHC Substances (released on June 27, 2018)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|------------|-----------|--|--|------------------|
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride | 552-30-7 | 209-008-0 | N | Respiratory sensitising properties (Article 57(f) - human health) PBT (Article 57d) | |
| Benzo[ghi]perylene | 191-24-2 | 205-883-8 | N | vPvB (Article 57e) PBT (Article 57d) | |
| Decamethylcyclotetrasiloxane | 541-02-6 | 208-764-9 | N | vPvB (Article 57e) | |
| Dicyclohexyl phthalate | 84-61-7 | 201-545-9 | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health) | |
| Disodium octaborate | 12008-41-2 | 234-541-0 | N | Toxic for reproduction (Article 57c) | |
| Dodecamethylcyclohexasiloxane | 540-97-6 | 208-762-8 | N | PBT (Article 57d) vPvB (Article 57e) | |
| Ethylenediamine | 107-15-3 | 203-468-6 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Lead | 7439-92-1 | 231-100-4 | N | Toxic for reproduction (Article 57c) | |
| Octamethylcyclotetrasiloxane | 556-67-2 | 209-136-7 | N | PBT (Article 57d) | |
| Terphenyl, hydrogenated | 61788-32-7 | 262-967-7 | N | vPvB (Article 57e) | |

REACH SVHC Substances (released on January 15, 2019)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|---|------------------|
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 15087-24-8 | 239-139-9 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 6807-17-6 | 401-720-1 | N | Toxic for reproduction (Article 57c) | |
| Benzo[k]fluoranthene | 207-08-9 | 205-916-6 | N | Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e) | |
| Fluoranthene | 206-44-0 | 205-912-4 | N | PBT (Article 57d) vPvB (Article 57e) | |
| Phenanthrene | 85-01-8 | 201-581-5 | N | vPvB (Article 57e) PBT (Article 57d) | |
| Pyrene | 129-00-0 | 204-927-3 | N | vPvB (Article 57e) | |

REACH SVHC Substances (released on July 16, 2019)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|-------------|-----------|--|--|------------------|
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides | - | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate | 67118-55-2 | 266-578-3 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride | 2062-98-8 | 218-173-8 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate | 62037-80-3 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid | 13252-13-6 | 236-236-8 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)- | 75579-39-4 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)- | 75579-40-7 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| 2-methoxyethyl acetate | 110-49-6 | 203-772-9 | N | Toxic for reproduction (Article 57c) | |
| 4-tert-butylphenol | 98-54-4 | 202-679-0 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Tris(nonylphenyl) phosphite | 26523-78-4 | 247-759-6 | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Tris(4-nonylphenyl, branched) phosphite | - | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, 4-nonyl-, phosphite (3:1) | 3050-88-2 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, p-sec-nonyl-, phosphite | 106599-06-8 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |
| Phenol, p-isononyl-, phosphite (3:1) | 31631-13-7 | - | N | Endocrine disrupting properties (Article 57(f) - environment) | |

REACH SVHC Substances (released on January 16, 2020)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|-------------|-----------|--|--|------------------|
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 119313-12-1 | 404-360-3 | N | Toxic for reproduction (Article 57c) | |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71869-10-5 | 400-600-6 | N | Toxic for reproduction (Article 57c) | |
| Diisohexyl phthalate | 71850-09-4 | 276-090-2 | N | Toxic for reproduction (Article 57c) | |
| Perfluorobutane sulfonic acid (PFBS) and its salts | - | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate | 29420-49-3 | 249-616-3 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate | 68259-10-9 | 269-513-7 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid | 375-73-5 | 206-793-1 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| magnesium perfluorobutanesulfonate | 507453-86-3 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| lithium perfluorobutanesulfonate | 131651-65-5 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate | 25628-08-4 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| bis(4-t-butylphenyl)iodonium perfluorobutanesulfonate | 194999-85-4 | 432-660-4 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate | 220689-12-3 | 444-440-5 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| dimethyl(phenyl)sulfanium perfluorobutanesulfonate | 220133-51-7 | 452-310-4 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| 1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate | - | 468-770-4 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Triphenylsulfanium perfluorobutane sulfonate | 144317-44-2 | 478-340-8 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| morpholinium perfluorobutanesulfonate | 503155-89-3 | - | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |

REACH SVHC Substances (released on June 25, 2020)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|--|------------------|
| 1-vinylimidazole | 1072-63-5 | 214-012-0 | N | Toxic for reproduction (Article 57c) | |
| 2-methylimidazole | 693-98-1 | 211-765-7 | N | Toxic for reproduction (Article 57c) | |
| Butyl 4-hydroxybenzoate | 94-26-8 | 202-318-7 | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | 245-152-0 | N | Toxic for reproduction (Article 57c) | |

REACH SVHC Substances (released on January 19, 2021)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|------------|-----------|--|--------------------------------------|------------------|
| Bis(2-(2-methoxyethoxy)ethyl)ether | 143-24-8 | 205-594-7 | N | Toxic for reproduction (Article 57c) | |
| Diocetyl 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 | - | - | N | Toxic for reproduction (Article 57c) | |
| diocetyl dilaurate: stannane, dioctyl-, bis(coco acyloxy) derivs. | - | - | N | Toxic for reproduction (Article 57c) | |
| Stannane, dioctyl-, bis(coco acyloxy) derivs. | 91648-39-4 | 293-901-5 | N | Toxic for reproduction (Article 57c) | |
| Diocetyl dilaurate | 3648-18-8 | 222-883-3 | N | Toxic for reproduction (Article 57c) | |

REACH SVHC Substances (released on July 08, 2021)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|--------------|-----------|--|--|------------------|
| 1,4-dioxane | 123-91-1 | 204-661-8 | N | Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | - | - | N | Carcinogenic (Article 57a) | |
| 2,2-bis(bromomethyl)propane-1,3-diol (BMP) | 3296-90-0 | 221-967-7 | N | Carcinogenic (Article 57a) | |
| 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) | 36483-57-5 | 253-057-0 | N | Carcinogenic (Article 57a) | |
| 2,3-dibromo-1-propanol (2,3-DBPA) | 96-13-9 | 202-480-9 | N | Carcinogenic (Article 57a) | |
| 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) | 1522-82-5 | - | N | Carcinogenic (Article 57a) | |
| 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | 80-54-6 | 201-289-8 | N | Toxic for reproduction (Article 57c) | |
| (2S)-3-(4-tert-butylphenyl)-2-methylpropanal | 75168-30-2 | - | N | Toxic for reproduction (Article 57c) | |
| (2R)-3-(4-tert-butylphenyl)-2-methylpropanal | 75168-31-3 | - | N | Toxic for reproduction (Article 57c) | |
| 4,4'-(1-methylpropylidene)bisphenol | 77-40-7 | 201-025-1 | N | Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| glutaryl | 111-30-8 | 203-856-5 | N | Respiratory sensitising properties (Article 57(f) - human health) | |
| Medium-chain chlorinated paraffins (MCCP) | - | - | N | PBT (Article 57d) vPvB (Article 57e) | |
| Alkanes, C14-17, chloro | 85535-85-9 | 287-477-0 | N | PBT (Article 57d) vPvB (Article 57e) | |
| Tetradecane, chloro derivs. | 198840-65-2 | - | N | PBT (Article 57d) vPvB (Article 57e) | |
| Alkanes, C14-16, chloro | 1372804-76-6 | - | N | PBT (Article 57d) vPvB (Article 57e) | |
| di-, tri- and tetrachlorotetradecane | - | - | N | PBT (Article 57d) vPvB (Article 57e) | |
| orthoboric acid, sodium salt | - | - | N | Toxic for reproduction (Article 57c) | |
| Boric acid, sodium salt | 1333-73-9 | 215-604-1 | N | Toxic for reproduction (Article 57c) | |
| Orthoboric acid, sodium salt | 13840-56-7 | 237-560-2 | N | Toxic for reproduction (Article 57c) | |
| boric acid (H3BO3), sodium salt, hydrate | 25747-83-5 | - | N | Toxic for reproduction (Article 57c) | |
| boric acid (H3BO3), sodium salt (1:1) | 14890-53-0 | - | N | Toxic for reproduction (Article 57c) | |
| Boric acid (H3BO3), disodium salt | 22454-04-2 | - | N | Toxic for reproduction (Article 57c) | |
| Trisodium orthoborate | 14312-40-4 | 238-253-6 | N | Toxic for reproduction (Article 57c) | |
| Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | - | - | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| Phenol, dodecyl-, branched | 121158-58-5 | 310-154-3 | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| Phenol, (tetrapropenyl) derivatives | 74499-35-7 | - | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| Phenol, tetrapropylene- | 57427-55-1 | - | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| Phenol, 4-dodecyl, branched | 210555-94-5 | - | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| 4-isododecylphenol | 27459-10-5 | - | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |
| Phenol, 4-isododecyl- | 27147-75-7 | - | N | Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health) | |

REACH SVHC Substances (released on January 17, 2022)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|--------------|-----------|--|--|------------------|
| (±)-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) | - | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one | 36861-47-9 | 253-242-6 | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 1782069-81-1 | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 95342-41-9 | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 852541-30-1 | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 852541-21-0 | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 741687-98-9 | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one | 852541-25-4 | - | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| 6,6-di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | 204-327-1 | N | Toxic for reproduction (Article 57c) | |
| S-(tricyclo[5.2.1.0 ^{2,6}]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 | 401-850-9 | N | PBT (Article 57d) | |
| tris(2-methoxyethoxy)vinylsilane | 1067-53-4 | 213-934-0 | N | Toxic for reproduction (Article 57c) | |

REACH SVHC Substances (released on June 10, 2022)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|-----------------------------|------------|-----------|--|---|------------------|
| N-(hydroxymethyl)acrylamide | 213-103-2 | 924-42-5 | N | Carcinogenic (Article 57a) Mutagenic (Article 57b) | |

REACH SVHC Substances (released in January 17, 2023)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|---|------------------|
| 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 2,2,3,3,3,5,5,6-octafluoro-4-(heptafluoropropyl)morpholine | - | 473-390-7 | N | vPvB (Article 57e) Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)#Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Perfluoroheptanoic acid and its salts | - | - | N | Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)#Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Sodium perfluoroheptanoate | 20109-59-5 | 243-518-4 | N | Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)#Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Ammonium perfluoroheptanoate | 6130-43-4 | 228-098-2 | N | Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)#Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| potassium perfluoroheptanoate | 21049-36-5 | - | N | Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)#Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Perfluoroheptanoic acid | 375-85-9 | 206-798-9 | N | Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)#Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) | |
| Melamine | 108-78-1 | 203-615-4 | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| Isobutyl 4-hydroxybenzoate | 4247-02-3 | 224-208-8 | N | Endocrine disrupting properties (Article 57(f) - human health) | |
| bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | - | - | N | vPvB (Article 57e) | |
| Bis(2-ethylhexyl) tetrabromophthalate | 26040-51-7 | 247-426-5 | N | vPvB (Article 57e) | |
| Barium diboron tetraoxide | 13701-59-2 | 237-222-4 | N | Toxic for reproduction (Article 57c) | |
| 4,4'-sulphonyldiphenol | 80-09-1 | 201-250-5 | N | Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health) | |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 79-94-7 | 201-236-9 | N | Carcinogenic (Article 57a) | |
| 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene] | 37853-59-1 | 253-692-3 | N | vPvB (Article 57e) | |

REACH SVHC Substances (released in June 14, 2023)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---|------------|-----------|--|--------------------------------------|------------------|
| diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 75980-60-8 | 278-355-8 | N | Toxic for reproduction (Article 57c) | |
| bis(4-chlorophenyl) sulphone | 80-07-9 | 201-247-9 | N | vPvB (Article 57e) | |

REACH SVHC Substances (released in January 23, 2024)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|-------------|-----------|--|--|------------------|
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | - | 700-960-7 | N | vPvB (Article 57e) | |
| Phenol, methylstyrenated | 68512-30-1 | 270-968-8 | N | vPvB (Article 57e) | |
| Bumetizole (UV-326) | 3896-11-5 | 223-445-4 | N | vPvB (Article 57e) | |
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | 438-340-0 | N | Toxic for reproduction (Article 57c) | |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) | 3147-75-9 | 221-573-5 | N | vPvB (Article 57e) | |
| 2,4,6-tri-tert-butylphenol | 732-26-3 | 211-989-5 | N | Toxic for reproduction (Article 57c)#PBT (Article 57d) | |

REACH SVHC Substances (released in June 27, 2024)

Do the parts or materials within your supply chain contain any of the following?

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|--|------------|-----------|--|--------------------------------------|------------------|
| Bis(α , α -dimethylbenzyl) peroxide | 80-43-3 | 201-279-3 | N | Toxic for reproduction (Article 57c) | |

ROHS II Banned Substances Directive 2011/65/UE EU 2015/863 also called ROHS III

| Substance name | CAS number | EC number | Substance in use in component / product? Y / N | Comment | Max % (optional) |
|---------------------------------------|------------|-----------|--|--|------------------|
| Bis(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | 204-211-0 | N | Toxic to Reproduction/ Endocrine Disrupting | |
| Benzyl butyl phthalate (BBP) | 85-68-7 | 201-622-7 | N | Toxic to Reproduction / Endocrine Disrupting | |
| Cadmium and its compounds | - | - | N | | |
| Dibutyl phthalate (DBP) | 84-74-2 | 201-557-4 | N | Toxic to Reproduction / Under assessment as Persistent, Bioaccumulative and Toxic / Endocrine Disrupting | |
| Diisobutyl phthalate (DIBP) | 84-69-5 | 201-553-2 | N | Toxic to Reproduction / Some data submitters indicate they consider this substance as Persistent, Bioaccumulative and Toxic / Endocrine Disrupting | |
| Hexavalent chromium | - | - | N | | |
| Lead and its compounds | - | - | N | | |
| Mercury and its compounds | - | - | N | | |
| Polybrominated biphenyls (PBB) | - | - | N | | |
| Polybrominated diphenyl ethers (PBDE) | - | - | N | | |