

## Candidate List of substances of very high concern (SVHC) for Authorisation

[How to search, filter or sort \(select this link\)](#)

### Substance name

**Note: Group entries are split in different rows**

Dibutylbis(pentane-2,4-dionato-O,O')tin

Butyl 4-hydroxybenzoate

2-methylimidazole

1-vinylimidazole

Perfluorobutane sulfonic acid (PFBS) and its salts

Diisohexyl phthalate

2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one

2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone

Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with  $\geq 0.1\%$  w/w of 4-nonylphenol, branched and linear (4-NP)

tris(4-nonylphenyl, branched) phosphite, tris(nonylphenyl) phosphite

tris(4-nonylphenyl, branched) phosphite

Phenol, 4-nonyl-, phosphite (3:1)

4-tert-butylphenol

2-methoxyethyl acetate

2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides

potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate

2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid

2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride

ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate

Pyrene

Phenanthrene

Fluoranthene

Benzo[k]fluoranthene

2,2-bis(4'-hydroxyphenyl)-4-methylpentane

1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one

Terphenyl, hydrogenated

Octamethylcyclotetrasiloxane

Lead

Ethylenediamine

Dodecamethylcyclohexasiloxane

Disodium octaborate

Dicyclohexyl phthalate

Decamethylcyclopentasiloxane
Benzo[ghi]perylene
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)
Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.
Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine
Chrysene
Cadmium nitrate
Cadmium hydroxide
Cadmium carbonate
Benz[a]anthracene
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"™)
(1S,2S,5R,6R,9S,10S,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 <sup>6</sup> , <sup>9</sup> .0 <sup>2</sup> , <sup>13</sup> .0 <sup>5</sup> , <sup>10</sup> ]octadeca-7,15-diene
(1S,2S,5S,6S,9R,10R,13R,14R)-1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 <sup>6</sup> , <sup>9</sup> .0 <sup>2</sup> , <sup>13</sup> .0 <sup>5</sup> , <sup>10</sup> ]octadeca-7,15-diene
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
rel-(1R,4S,4aS,6aS,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-dimethanodibenzo[a,e]cyclooctene
rel-(1R,4S,4aS,6aR,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-dimethanodibenzo[a,e]cyclooctene
Perfluorohexane-1-sulphonic acid and its salts
ammonium perfluorohexane-1-sulphonate
perfluorohexane-1-sulphonic acid
potassium perfluorohexane-1-sulphonate
tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)

p-(1,1-dimethylpropyl)phenol
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
Decanoic acid, nonadecafluoro-, sodium salt
Ammonium nonadecafluorodecanoate
Nonadecafluorodecanoic acid
4-heptylphenol, branched and linear
4-heptylphenol
Phenol, heptyl derivs.
4,4'-isopropylidenediphenol
Benzo[def]chrysene (Benzo[a]pyrene)
Perfluorononan-1-oic-acid and its sodium and ammonium salts
Ammonium salts of perfluorononan-1-oic-acid
Perfluorononan-1-oic-acid
Sodium salts of perfluorononan-1-oic-acid
Nitrobenzene
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
1,3-propanesultone
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]
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
2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane
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,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2S)-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,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane
5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters

1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters
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)
Cadmium sulphate
Cadmium fluoride
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
Sodium peroxometaborate
Sodium perborate, perboric acid, sodium salt
Perboric acid, sodium salt
Sodium perborate
Cadmium chloride
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
Trixylyl phosphate
Lead di(acetate)
Imidazolidine-2-thione (2-imidazoline-2-thiol)
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)
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
Dihexyl phthalate
Cadmium sulphide
Pentadecafluorooctanoic acid (PFOA)
Dipentyl phthalate (DPP)
Cadmium oxide
Cadmium
Ammonium pentadecafluorooctanoate (APFO)

4-Nonylphenol, branched and linear, ethoxylated
2-[2-(4-nonylphenoxy)ethoxy]ethanol
2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol
Nonylphenol, ethoxylated (10-EO) (9016-45-9)
Nonylphenol, ethoxylated (8-EO) (9016-45-9)
Nonylphenol, ethoxylated (6,5-EO) (9016-45-9)
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24- octaoxahexacosan -1-ol
Nonylphenol, branched, ethoxylated
4-Nonylphenol, ethoxylated
Nonylphenol, ethoxylated
Nonylphenol, ethoxylated (15-EO) (9016-45-9)
Nonylphenol, branched, ethoxylated (CAS# 68412-54-4)
20-(4-nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol
Isononylphenol, ethoxylated
Nonylphenol, ethoxylated (EO = 10)
Nonylphenol, ethoxylated (EO = 4)
Nonylphenol, ethoxylated (polymer)
26-(nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol
2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethanol
Nonylphenolpolyglycoether
Poly(oxy-1,2-ethanediyl), a-(nonylphenyl)-w-hydroxy- (CAS 9016-45-9)
4-Nonylphenol, branched, ethoxylated



2-{2-[4-(3,6-dimethylheptan-3-yl)phenoxy]ethoxy}ethanol
Trilead dioxide phosphonate
Trilead bis(carbonate) dihydroxide
Tricosafuorododecanoic acid
Tetralead trioxide sulphate
Tetraethyllead
Sulfurous acid, lead salt, dibasic
Silicic acid, lead salt
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped
Pyrochlore, antimony lead yellow
Pentalead tetraoxide sulphate
Pentacosafuorotridecanoic acid
Orange lead (lead tetroxide)
o-toluidine
o-aminoazotoluene
n-pentyl-isopentylphthalate
N-methylacetamide
N,N-dimethylformamide
Methyloxirane (Propylene oxide)
Methoxyacetic acid
Lead titanium zirconium oxide
Lead titanium trioxide
Lead oxide sulfate
Lead monoxide (lead oxide)
Lead dinitrate
Lead cyanamidate
Lead bis(tetrafluoroborate)
Hexahydromethylphthalic anhydride
Hexahydromethylphthalic anhydride
Hexahydro-4-methylphthalic anhydride
Hexahydro-3-methylphthalic anhydride
Hexahydro-1-methylphthalic anhydride
Heptacosafuorotetradecanoic acid
Henicosafuoroundecanoic acid
Furan
Fatty acids, C16-18, lead salts
Dioxobis(stearato)trilead

Dinoseb (6-sec-butyl-2,4-dinitrophenol)
Dimethyl sulphate
Diisopentyl phthalate
Diethyl sulphate
Dibutyltin dichloride (DBTC)
Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
Cyclohexane-1,2-dicarboxylic anhydride
Cyclohexane-1,2-dicarboxylic anhydride
trans-cyclohexane-1,2-dicarboxylic anhydride
cis-cyclohexane-1,2-dicarboxylic anhydride
Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
Biphenyl-4-ylamine
Acetic acid, lead salt, basic
[Phthalato(2-)]dioxotrilead
6-methoxy-m-toluidine (p-cresidine)
4-Nonylphenol, branched and linear
4-(1-Ethyl-1,3-dimethylpentyl)phenol
Phenol, 4-nonyl-, branched
p-nonylphenol
4-(1-Ethyl-1,4-dimethylpentyl)phenol
p-(1-methyloctyl)phenol
p-isononylphenol
p-(1,1-dimethylheptyl)phenol
4-(1-ethyl-1-methylhexyl)phenol
4-(3-ethylheptan-2-yl)phenol
Isononylphenol
Phenol, nonyl-, branched

4-(1,1,5-Trimethylhexyl)phenol
Nonylphenol
4-methyl-m-phenylenediamine (toluene-2,4-diamine)
4-aminoazobenzene
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
Polyethylene glycol mono(tert-octylph-enyl) ether9036-19-5
2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol
20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol
2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethanol
2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethanol, 2-{2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy}ethanol
4,4'-oxydianiline and its salts
4,4'-oxydianiline
4,4'-methylenedi-o-toluidine
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
1-bromopropane (n-propyl bromide)
1,2-diethoxyethane
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear
$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
Lead(II) bis(methanesulfonate)
Formamide
Diboron trioxide
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)
1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)

Zirconia Aluminosilicate Refractory Ceramic Fibres

Aluminosilicate refractory ceramic fibres

Trilead diarsenate

Potassium hydroxyoctaoxodizincatedichromate

Phenolphthalein

Pentazinc chromate octahydroxide

N,N-dimethylacetamide

Lead styphnate

Lead dipicrate

Lead diazide, Lead azide

Formaldehyde, oligomeric reaction products with aniline

Dichromium tris(chromate)

Calcium arsenate

Bis(2-methoxyethyl) phthalate

Bis(2-methoxyethyl) ether

Arsenic acid

Aluminosilicate Refractory Ceramic Fibres

4-(1,1,3,3-tetramethylbutyl)phenol
2-Methoxyaniline, o-Anisidine
2,2'-dichloro-4,4'-methylenedianiline
1,2-dichloroethane
Strontium chromate
Hydrazine
2-ethoxyethyl acetate
1-Methyl-2-pyrrolidone (NMP)
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
1,2,3-trichloropropane
Cobalt(II) sulphate
Cobalt(II) dinitrate
Cobalt(II) diacetate
Cobalt(II) carbonate
Chromium trioxide
Acids generated from chromium trioxide and their oligomers
Oligomers of chromic acid and dichromic acid
Chromic acid
Dichromic acid
2-methoxyethanol
2-ethoxyethanol
Trichloroethylene
Tetraboron disodium heptaoxide, hydrate
Sodium chromate
Potassium dichromate
Potassium chromate
Disodium tetraborate, anhydrous
Boric acid
Boric acid, crude natural
Boric acid
Ammonium dichromate
Acrylamide
Tris(2-chloroethyl) phosphate
Pitch, coal tar, high-temp.
Lead sulfochromate yellow (C.I. Pigment Yellow 34)
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)

Lead chromate
Diisobutyl phthalate
Anthracene oil, anthracene-low
Anthracene oil, anthracene paste, distn. lights
Anthracene oil, anthracene paste, anthracene fraction
Anthracene oil, anthracene paste
Anthracene oil
2,4-dinitrotoluene
Triethyl arsenate
Sodium dichromate
Lead hydrogen arsenate
Hexabromocyclododecane (HBCDD)
Hexabromocyclododecane
gamma-hexabromocyclododecane
1,2,5,6,9,10-hexabromocyclododecane
alpha-hexabromocyclododecane
beta-hexabromocyclododecane
Dibutyl phthalate (DBP)
Diarsenic trioxide

Diarsenic pentaoxide
Cobalt dichloride
Bis(tributyltin) oxide (TBTO)
Bis (2-ethylhexyl)phthalate (DEHP)
Benzyl butyl phthalate (BBP)
Anthracene
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)
4,4'- Diaminodiphenylmethane (MDA)



Description	EC No.	CAS No.
	245-152-0	22673-19-4
	202-318-7	94-26-8
	211-765-7	693-98-1
	214-012-0	1072-63-5
	-	-
	276-090-2	71850-09-4
	400-600-6	71868-10-5
	404-360-3	119313-12-1
	-	-
	-, 247-759-6	26523-78-4
	701-028-2	-
	-	3050-88-2
	202-679-0	98-54-4
	203-772-9	110-49-6



covering any of their individual isomers and combinations thereof	-	-
	266-578-3	67118-55-2

	236-236-8	13252-13-6
	218-173-8	2062-98-8

	-	62037-80-3
	204-927-3	129-00-0
	201-581-5	85-01-8
	205-912-4	206-44-0
	205-916-6	207-08-9
	401-720-1	6807-17-6
3-benzylidene camphor; 3-BC	239-139-9	15087-24-8
	262-967-7	61788-32-7
D4	209-136-7	556-67-2
	231-100-4	7439-92-1
EDA	203-468-6	107-15-3
D6	208-762-8	540-97-6
	234-541-0	12008-41-2
DCHP	201-545-9	84-61-7

D5	208-764-9	541-02-6
	205-883-8	191-24-2
trimellitic anhydride; TMA	209-008-0	552-30-7
with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-
	939-460-0	-
	300-298-5	93925-00-9
	205-923-4	218-01-9
	233-710-6	10325-94-7
	244-168-5	21041-95-2
	208-168-9	513-78-0
	200-280-6	56-55-3
covering any of its individual anti- and syn-isomers or any combination thereof	-	-
	-	135821-03-3
	-	135821-74-8
	236-948-9	13560-89-9
	-	-
	-	-
PFHxS	-	-
	269-511-6	68259-08-5
	206-587-1	355-46-4
	223-393-2	3871-99-6
	274-462-9	70225-16-0

	201-280-9	80-46-6
	-	-
	-	3830-45-3
	221-470-5	3108-42-7
	206-400-3	335-76-2
substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	-
	217-862-0	1987-50-4
	276-743-1	72624-02-3
Bisphenol A; BPA	201-245-8	80-05-7
	200-028-5	50-32-8
	-	-
	-	-, 4149-60-4
	206-801-3	375-95-1
	-	-, 21049-39-8
	202-716-0	98-95-3
	253-037-1	36437-37-3
	223-383-8	3864-99-1
	214-317-9	1120-71-4
covering any of the individual stereoisomers of [1] and [2] or any combination thereof	-	-
	413-720-9	117933-89-8
	601-499-3	117933-89-8
	700-927-7	-
	-	-
	-	-
with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	-	-
	272-013-1	68648-93-1

	271-094-0	68515-51-5
	-	-
	233-331-6	10124-36-4, 31119-53-6
	232-222-0	7790-79-6
	239-622-4	15571-58-1
	223-346-6	3846-71-7
	247-384-8	25973-55-1
	231-556-4	7632-04-4
	-	-
	234-390-0	11138-47-9
	239-172-9	15120-21-5
	233-296-7	10108-64-2
	271-093-5	68515-50-4
	246-677-8	25155-23-1
	206-104-4	301-04-2
	202-506-9	96-45-7
	217-710-3	1937-37-7
	209-358-4	573-58-0
	201-559-5	84-75-3
	215-147-8	1306-23-6
	206-397-9	335-67-1
	205-017-9	131-18-0
	215-146-2	1306-19-0
	231-152-8	7440-43-9
	223-320-4	3825-26-1

substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof	-	-
	243-816-4	20427-84-3
	230-770-5	7311-27-5
	931-755-2	-
	931-754-7	-
	931-753-1	-
	-	14409-72-4
1 - 2.5 moles ethoxylated	500-209-1	68412-54-4
1 - 2.5 moles ethoxylated	500-045-0	26027-38-3
	500-024-6	9016-45-9
	931-756-8	-
	932-688-1	-
	248-743-1	27942-27-4
	609-346-2	37205-87-1
	939-993-9	-
	939-975-0	-
	938-618-6	-
	247-816-5	26571-11-9
	687-832-3	1119449-37-4
	932-998-7	-
	931-562-3	9016-45-9
1 - 2.5 moles ethoxylated	500-315-8	127087-87-0

	687-833-9	1119449-38-5
	235-252-2	12141-20-7
	215-290-6	1319-46-6
	206-203-2	307-55-1
	235-380-9	12202-17-4
	201-075-4	78-00-2
	263-467-1	62229-08-7
	234-363-3	11120-22-2
with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD),the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008	272-271-5	68784-75-8
-	232-382-1	8012-00-8
	235-067-7	12065-90-6
	276-745-2	72629-94-8
	215-235-6	1314-41-6
	202-429-0	95-53-4
	202-591-2	97-56-3
	933-378-9	776297-69-9
	201-182-6	79-16-3
	200-679-5	68-12-2
	200-879-2	75-56-9
	210-894-6	625-45-6
	235-727-4	12626-81-2
	235-038-9	12060-00-3
	234-853-7	12036-76-9
	215-267-0	1317-36-8
	233-245-9	10099-74-8
	244-073-9	20837-86-9
	237-486-0	13814-96-5
including cis- and trans- stereo isomeric forms and all possible combinations of the isomers	-	-
	247-094-1	25550-51-0
	243-072-0	19438-60-9
	260-566-1	57110-29-9
	256-356-4	48122-14-1
	206-803-4	376-06-7
	218-165-4	2058-94-8
	203-727-3	110-00-9
	292-966-7	91031-62-8
	235-702-8	12578-12-0



	201-861-7	88-85-7
	201-058-1	77-78-1
	210-088-4	605-50-5
	200-589-6	64-67-5
	211-670-0	683-18-1
	204-650-8	123-77-3
all possible combinations of the cis- and trans-isomers	-	-
	201-604-9	85-42-7
	238-009-9	14166-21-3
	236-086-3	13149-00-3
	214-604-9	1163-19-5
	202-177-1	92-67-1
	257-175-3	51404-69-4
	273-688-5	69011-06-9
	204-419-1	120-71-8
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	-	-
	-	186825-36-5
	284-325-5	84852-15-3
	203-199-4	104-40-5
	-	142731-63-3
	241-427-4	17404-66-9
	247-770-6	26543-97-5
	250-339-5	30784-30-6
	257-907-1	52427-13-1
	635-696-0	186825-39-8
	234-284-4	11066-49-2
	291-844-0	90481-04-2

	635-388-6	521947-27-3
	246-672-0	25154-52-3
	202-453-1	95-80-7
	200-453-6	60-09-3
covering well-defined substances and UVCB substances, polymers and homologues	-	-
	-	9036-19-5
	618-344-0	9002-93-1
	219-682-8	2497-59-8
	-	2315-67-5
	-, 621-341-7	2315-61-9
	-	-
	202-977-0	101-80-4
	212-658-8	838-88-0
	421-150-7	143860-04-2
	203-445-0	106-94-5
	211-076-1	629-14-1
	284-032-2	84777-06-0
with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	229-851-8	6786-83-0
	202-959-2	101-61-1
-	401-750-5	17570-76-2
	200-842-0	75-12-7
	215-125-8	1303-86-2
with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	219-943-6	2580-56-5
with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	208-953-6	548-62-9
	202-027-5	90-94-8
with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	209-218-2	561-41-1
-	423-400-0	59653-74-6
	219-514-3	2451-62-9
	203-977-3	112-49-2
	203-794-9	110-71-4

are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-
	604-314-4	142844-00-6
	222-979-5	3687-31-8
	234-329-8	11103-86-9
	201-004-7	77-09-8
	256-418-0	49663-84-5
	204-826-4	127-19-5
	239-290-0	15245-44-0
	229-335-2	6477-64-1
	236-542-1	13424-46-9
	500-036-1	25214-70-4
	246-356-2	24613-89-6
	231-904-5	7778-44-1
	204-212-6	117-82-8
	203-924-4	111-96-6
	231-901-9	7778-39-4
are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-

	205-426-2	140-66-9
	201-963-1	90-04-0
	202-918-9	101-14-4
	203-458-1	107-06-2
	232-142-6	7789-06-2
	206-114-9	302-01-2, 7803-57-8
	203-839-2	111-15-9
	212-828-1	872-50-4
	271-084-6	68515-42-4
	276-158-1	71888-89-6
	202-486-1	96-18-4
	233-334-2	10124-43-3
	233-402-1	10141-05-6
	200-755-8	71-48-7
	208-169-4	513-79-1
	215-607-8	1333-82-0
	-	-
	-	-
	231-801-5	7738-94-5
	236-881-5	13530-68-2
	203-713-7	109-86-4
	203-804-1	110-80-5
	201-167-4	79-01-6
	235-541-3	12267-73-1
	231-889-5	7775-11-3
	231-906-6	7778-50-9
	232-140-5	7789-00-6
	215-540-4	12179-04-3, 1303-96-4, 1330-43-4
EC No. 233-139-2 and EC No. 234-343-4	-	-
	234-343-4	11113-50-1
	233-139-2	10043-35-3
	232-143-1	7789-09-5
	201-173-7	79-06-1
	204-118-5	115-96-8
-	266-028-2	65996-93-2
-	215-693-7	1344-37-2
-	235-759-9	12656-85-8

	231-846-0	7758-97-6
	201-553-2	84-69-5
-	292-604-8	90640-82-7
-	295-278-5	91995-17-4
-	295-275-9	91995-15-2
-	292-603-2	90640-81-6
-	292-602-7	90640-80-5
	204-450-0	121-14-2
-	427-700-2	15606-95-8
	234-190-3	10588-01-9, 7789-12-0
	232-064-2	7784-40-9
and all major diastereoisomers identified	-	-
	247-148-4	25637-99-4
	-	134237-52-8
	221-695-9	3194-55-6
	-	134237-50-6
	-	134237-51-7
	201-557-4	84-74-2
	215-481-4	1327-53-3

	215-116-9	1303-28-2
	231-589-4	7646-79-9
	200-268-0	56-35-9
	204-211-0	117-81-7
	201-622-7	85-68-7
	204-371-1	120-12-7
	287-476-5	85535-84-8
	201-329-4	81-15-2
	202-974-4	101-77-9

Reason for inclusion	Date of inclusion
Toxic for reproduction (Article 57c)	25/06/2020
Endocrine disrupting properties (Article 57(f) - human health)	25/06/2020
Toxic for reproduction (Article 57c)	25/06/2020
Toxic for reproduction (Article 57c)	25/06/2020
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)	16/01/2020
Toxic for reproduction (Article 57c)	16/01/2020
Toxic for reproduction (Article 57c)	16/01/2020
Toxic for reproduction (Article 57c)	16/01/2020
Endocrine disrupting properties (Article 57(f) - environment)	16/07/2019
Endocrine disrupting properties (Article 57(f) - environment)	16/07/2019
Endocrine disrupting properties (Article 57(f) - environment)	16/07/2019
Endocrine disrupting properties (Article 57(f) - environment)	16/07/2019
Endocrine disrupting properties (Article 57(f) - environment)	16/07/2019
Toxic for reproduction (Article 57c)	16/07/2019

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)	16/07/2019
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)	16/07/2019



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)	16/07/2019
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)	16/07/2019

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)	16/07/2019
PBT (Article 57d)#vPvB (Article 57e)	15/01/2019
vPvB (Article 57e)	15/01/2019
PBT (Article 57d)#vPvB (Article 57e)	15/01/2019
Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	15/01/2019
Toxic for reproduction (Article 57c)	15/01/2019
Endocrine disrupting properties (Article 57(f) - environment)	15/01/2019
vPvB (Article 57e)	27/06/2018
PBT (Article 57d)#vPvB (Article 57e)	27/06/2018
Toxic for reproduction (Article 57c)	27/06/2018
Respiratory sensitising properties (Article 57(f) - human health)	27/06/2018
PBT (Article 57d)#vPvB (Article 57e)	27/06/2018
Toxic for reproduction (Article 57c)	27/06/2018
Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	27/06/2018

PBT (Article 57d)#vPvB (Article 57e)	27/06/2018
PBT (Article 57d)#vPvB (Article 57e)	27/06/2018
Respiratory sensitising properties (Article 57(f) - human health)	27/06/2018
Endocrine disrupting properties (Article 57(f) - environment)	15/01/2018
Endocrine disrupting properties (Article 57(f) - environment)	15/01/2018
Endocrine disrupting properties (Article 57(f) - environment)	15/01/2018
Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	15/01/2018
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	15/01/2018
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	15/01/2018
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	15/01/2018
Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	15/01/2018
vPvB (Article 57e)	07/07/2017
vPvB (Article 57e)	07/07/2017
vPvB (Article 57e)	07/07/2017
vPvB (Article 57e)	07/07/2017
vPvB (Article 57e)	07/07/2017

Endocrine disrupting properties (Article 57(f) - environment)	12/01/2017
Toxic for reproduction (Article 57c)#PBT (Article 57d)	12/01/2017
Toxic for reproduction (Article 57c)#PBT (Article 57d)	12/01/2017
Toxic for reproduction (Article 57c)#PBT (Article 57d)	12/01/2017
Toxic for reproduction (Article 57c)#PBT (Article 57d)	12/01/2017
Endocrine disrupting properties (Article 57(f) - environment)	12/01/2017
Endocrine disrupting properties (Article 57(f) - environment)	12/01/2017
Endocrine disrupting properties (Article 57(f) - environment)	12/01/2017
Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	12/01/2017
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#PBT (Article 57d)#vPvB (Article 57e)	20/06/2016
Toxic for reproduction (Article 57c)#PBT (Article 57d)	17/12/2015
Toxic for reproduction (Article 57c)#PBT (Article 57d)	17/12/2015
Toxic for reproduction (Article 57c)#PBT (Article 57d)	17/12/2015
Toxic for reproduction (Article 57c)#PBT (Article 57d)	17/12/2015
Toxic for reproduction (Article 57c)	17/12/2015
vPvB (Article 57e)	17/12/2015
vPvB (Article 57e)	17/12/2015
Carcinogenic (Article 57a)	17/12/2015
vPvB (Article 57e)	15/06/2015
vPvB (Article 57e)	15/06/2015
vPvB (Article 57e)	15/06/2015
vPvB (Article 57e)	15/06/2015
vPvB (Article 57e)	15/06/2015
vPvB (Article 57e)	15/06/2015
vPvB (Article 57e)	15/06/2015
Toxic for reproduction (Article 57c)	15/06/2015
Toxic for reproduction (Article 57c)	15/06/2015

Toxic for reproduction (Article 57c)	15/06/2015
Toxic for reproduction (Article 57c)	17/12/2014
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	17/12/2014
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	17/12/2014
Toxic for reproduction (Article 57c)	17/12/2014
PBT (Article 57d)#vPvB (Article 57e)	17/12/2014
PBT (Article 57d)#vPvB (Article 57e)	17/12/2014
Toxic for reproduction (Article 57c)	16/06/2014
Toxic for reproduction (Article 57c)	16/06/2014
Toxic for reproduction (Article 57c)	16/06/2014
Toxic for reproduction (Article 57c)	16/06/2014
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	16/06/2014
Toxic for reproduction (Article 57c)	16/06/2014
Toxic for reproduction (Article 57c)	16/12/2013
Toxic for reproduction (Article 57c)	16/12/2013
Toxic for reproduction (Article 57c)	16/12/2013
Carcinogenic (Article 57a)	16/12/2013
Carcinogenic (Article 57a)	16/12/2013
Toxic for reproduction (Article 57c)	16/12/2013
Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	16/12/2013
Toxic for reproduction (Article 57c)#PBT (Article 57d)	20/06/2013
Toxic for reproduction (Article 57c)	20/06/2013
Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	20/06/2013
Carcinogenic (Article 57a)#Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	20/06/2013
Toxic for reproduction (Article 57c)#PBT (Article 57d)	20/06/2013









Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Carcinogenic (Article 57a)	19/12/2012
Carcinogenic (Article 57a)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Endocrine disrupting properties (Article 57(f) - environment)	19/12/2012
Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19/12/2012
Carcinogenic (Article 57a)#Mutagenic (Article 57b)	19/12/2012
Carcinogenic (Article 57a)	19/12/2012
Toxic for reproduction (Article 57c)	19/12/2012
Toxic for reproduction (Article 57c)	19/12/2012
Toxic for reproduction (Article 57c)	19/12/2012
Toxic for reproduction (Article 57c)	19/12/2012
Carcinogenic (Article 57a)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Toxic for reproduction (Article 57c)	18/06/2012
Toxic for reproduction (Article 57c)	18/06/2012
Toxic for reproduction (Article 57c)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Carcinogenic (Article 57a)	18/06/2012
Mutagenic (Article 57b)	18/06/2012
Mutagenic (Article 57b)	18/06/2012
Toxic for reproduction (Article 57c)	18/06/2012
Toxic for reproduction (Article 57c)	18/06/2012

Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Toxic for reproduction (Article 57c)	19/12/2011
Toxic for reproduction (Article 57c)	19/12/2011
Toxic for reproduction (Article 57c)	19/12/2011
Toxic for reproduction (Article 57c)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Toxic for reproduction (Article 57c)	19/12/2011
Toxic for reproduction (Article 57c)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011

Endocrine disrupting properties (Article 57(f) - environment)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	19/12/2011
Carcinogenic (Article 57a)	20/06/2011
Carcinogenic (Article 57a)	20/06/2011
Toxic for reproduction (Article 57c)	20/06/2011
Toxic for reproduction (Article 57c)	20/06/2011
Toxic for reproduction (Article 57c)	20/06/2011
Toxic for reproduction (Article 57c)	20/06/2011
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	20/06/2011
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	15/12/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)	15/12/2010
Carcinogenic (Article 57a)	15/12/2010
Carcinogenic (Article 57a)	15/12/2010
Carcinogenic (Article 57a)	15/12/2010
Carcinogenic (Article 57a)	15/12/2010
Toxic for reproduction (Article 57c)	15/12/2010
Toxic for reproduction (Article 57c)	15/12/2010
Carcinogenic (Article 57a)	18/06/2010
Toxic for reproduction (Article 57c)	18/06/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18/06/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18/06/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)	18/06/2010
Toxic for reproduction (Article 57c)	18/06/2010
Toxic for reproduction (Article 57c)	18/06/2010
Toxic for reproduction (Article 57c)	18/06/2010
Toxic for reproduction (Article 57c)	18/06/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	18/06/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)	30/03/2010
Toxic for reproduction (Article 57c)	13/01/2010
Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	13/01/2010
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13/01/2010
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13/01/2010

Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	13/01/2010
Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	13/01/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13/01/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13/01/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13/01/2010
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#PBT (Article 57d)#vPvB (Article 57e)	13/01/2010
Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)	13/01/2010
Carcinogenic (Article 57a)	13/01/2010
Carcinogenic (Article 57a)	28/10/2008
Carcinogenic (Article 57a)#Mutagenic (Article 57b)#Toxic for reproduction (Article 57c)	28/10/2008
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	28/10/2008
PBT (Article 57d)	28/10/2008
PBT (Article 57d)	28/10/2008
PBT (Article 57d)	28/10/2008
PBT (Article 57d)	28/10/2008
PBT (Article 57d)	28/10/2008
PBT (Article 57d)	28/10/2008
Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	28/10/2008
Carcinogenic (Article 57a)	28/10/2008

Carcinogenic (Article 57a)	28/10/2008
Carcinogenic (Article 57a)#Toxic for reproduction (Article 57c)	28/10/2008
PBT (Article 57d)	28/10/2008
Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - environment)#Endocrine disrupting properties (Article 57(f) - human health)	28/10/2008
Toxic for reproduction (Article 57c)#Endocrine disrupting properties (Article 57(f) - human health)	28/10/2008
PBT (Article 57d)	28/10/2008
PBT (Article 57d)#vPvB (Article 57e)	28/10/2008
vPvB (Article 57e)	28/10/2008
Carcinogenic (Article 57a)	28/10/2008

Remarks
The combined intrinsic properties justifying the inclusion as a substance for which there is scientific evidence of probable serious effects to human health and the environment which give rise to an equivalent level of concern are the following: very high persistence, high mobility in water and soil, high potential for long-range transport, and difficulty of remediation and water purification as well as moderate bioaccumulation in humans. The observed probable serious effects for human health and the environment are thyroid hormonal disturbances and reproductive toxicity seen in rodents, and effects on liver, kidney and haematological system in rats, hormonal disturbances and effects on reproduction in marine medaka fish and effects on expression of hormone receptors in tadpoles. Together, these elements lead to a very high potential for irreversible effects.

The combined intrinsic properties justifying the inclusion for the Member State Committee as a substance for which there is scientific evidence of probable serious effects to human health and the environment which give rise to an equivalent level of concern are the following: Persistence, mobility, potential for long-range transport, observed adverse effects (at least the following probable effects for human health: effects on the liver, the kidney, and the haematological and immune systems and effects on development; at least the following probable effects for the environment: population relevant effects on birds and mammals); as well as low adsorption potential and high water solubility rendering the substance fully bioavailable for uptake via (drinking) water. Together, these elements lead to a very high potential for irreversible effects.

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Dodecamethylcyclohexasiloxane (D6) meets the criteria of Article 57 (d) of Regulation (EC) 1907/2006 (REACH) as a substance which is persistent, bioaccumulative and toxic when it contains  $\geq 0.1$  % w/w octamethylcyclotetrasiloxane (D4) (EC No. 209-136-7). In addition to its intrinsic properties, it also meets the criteria of Article 57 (e) of Regulation (EC) 1907/2006 (REACH) as a substance which is very persistent and very bioaccumulative (vPvB) when it contains  $\geq 0.1$  % w/w decamethylcyclopentasiloxane (D5) (EC No. 208-764-9) or  $\geq 0.1$ % w/w octamethylcyclotetrasiloxane (D4) (EC No. 209-136-7).































































































































