

## REACH Declaration Regarding SVHC list and Annex XVII

Schaffner hereby declares that the product portfolio we provide to the market is compliant to the REACH SVHC list of regulation (EC).NO 1907/2006, (see table 1-11). Schaffner does not add or use any substances listed in the SVHC list intentionally and ensure that all suppliers of Schaffner will pre-register/register where REACH registration requirements are applicable. The calculation of the SVHC limitation less than 0.1 weight % is based on the component level (not the finished product level). Furthermore substances listed in Annex XIV (included in SVHC list) are not present in our products, therefore authorization requirements for substances in Annex XIV are not applicable for Schaffner finished products. The restriction condition of all the entries defined in REACH annex XVII (see table 12) is not applicable for Schaffner finished product.

Substance name	CAS number	EC number	Involved in our supply chain
Anthracene	120-12-7	204-371-1	< 1000 ppm
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	< 1000 ppm
Dibutyl phthalate (DBP)	84-74-2	201-557-4	< 1000 ppm
Cobalt dichloride	7646-79-9	231-589-4	< 1000 ppm
Diarsenic pentaoxide	1303-28-2	215-116-9	< 1000 ppm
Diarsenic trioxide	1327-53-3	215-481-4	< 1000 ppm
Sodium dichromate, dihydrate	7789-12-0	234-190-3	< 1000 ppm
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	< 1000 ppm
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	< 1000 ppm
Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4	< 1000 ppm
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	< 1000 ppm
Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	< 1000 ppm

*Table 1. Candidate list of substances of very high concern  
Published October 28<sup>th</sup>, 2008, last update Jul 28<sup>th</sup>, 2020*

**Karen Chan**  
Global Sourcing Manager

Signature:



Date: Jul 28th 2020

**Peter Lutz**  
Corporate Quality Manager

Signature:



Date: Jul 28th 2020



Substance name	CAS number	EC number	Involved in our supply chain
Lead hydrogen arsenate	7784-40-9	232-064-2	<1000 ppm
Triethyl arsenate	15606-95-8	427-700-2	<1000 ppm
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	<1000 ppm
Anthracene oil	90640-80-5	292-602-7	<1000 ppm
Anthracene oil, anthracene paste, distrn. lights	91995-17-4	295-278-5	<1000 ppm
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	<1000 ppm
Anthracene oil, anthracene-low	90640-82-7	292-604-8	<1000 ppm
Anthracene oil, anthracene paste	90640-81-6	292-603-2	<1000 ppm
Coal tar pitch, high temperature	65996-93-2	266-028-2	<1000 ppm
Acrylamide	79-06-1	201-173-7	<1000 ppm
Aluminosilicate Refractory Ceramic Fibers(RCF)	--	--	<1000 ppm
Zirconia Aluminosilicate Refractory Ceramic Fibers(Zr-RCF)	--	--	<1000 ppm
2,4-Dinitrotoluene	121-14-2	204-450-0	<1000 ppm
Diisobutyl phthalate	84-69-5	201-553-2	<1000 ppm
Lead chromate	7758-97-6	231-846-0	<1000 ppm
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	<1000 ppm
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	<1000 ppm
Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	<1000 ppm
Ammonium dichromate	7789-09-5	232-143	<1000 ppm
Disodium tetraborate, anhydrous	1303-96-4/ 1330-43-4/ 12179-04-3	215-540-4	<1000 ppm
Potassium chromate	7789-00-6	232-140-5	<1000 ppm
Potassium dichromate	7778-50-9	231-906-6	<1000 ppm
Sodium chromate	7775-11-3	231-889-5	<1000 ppm
Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	<1000 ppm

*Table 2. Candidate list of substances of very high concern  
Published October 28<sup>th</sup>, 2008, last update Jul 28<sup>th</sup> 2020*

Substance name	CAS number	EC number	Involved in our supply chain
Trichloroethylene	79-01-6	201-167-4	<1000 ppm
Boric acid	10043-35-3 / 11113-50-1	233-139-2 / 234- 343-4	<1000 ppm
2-Methoxyethanol	109-86-4	203-713-7	<1000 ppm
2-Ethoxyethano	110-80-5	203-804-1	<1000 ppm
Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	7738-94-5 - 13530-68-2	231-801-5 - 236-881-5	<1000 ppm
Chromium trioxide	1333-82-0	215-607-8	<1000 ppm
Cobalt(II) carbonate	513-79-1	208-169-4	<1000 ppm
Cobalt(II) diacetate	71-48-7	200-755-8	<1000 ppm
Cobalt(II) dinitrate	10141-05-6	233-402-1	<1000 ppm
Cobalt(II) sulphate	10124-43-3	233-334-2	<1000 ppm
2-ethoxyethyl acetate	111-15-9	203-839-2	<1000 ppm
strontium chromate	7789-06-2	232-142-6	<1000 ppm
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	<1000 ppm
Hydrazine	302-01-2	206-114-9	<1000 ppm
1-methyl-2-pyrrolidone	872-50-4	212-828-1	<1000 ppm
1,2,3-trichloropropane	96-18-4	202-486-1	<1000 ppm
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	<1000 ppm
Dichromium tris(chromate)	24613-89-6	246-356-2	<1000 ppm
Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	234-329-8	<1000 ppm
Pentazinc chromate octahydroxide	49663-84-5	256-418-0	<1000 ppm
2-Methoxyaniline;o-Anisidine	90-04-0	201-963-1	<1000 ppm
4-(1,1,3,3-tetramethylbutyl)phenol,(4-tert-Octylphenol)	140-66-9	205-426-2	<1000 ppm
Formaldehyde,oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	<1000 ppm
Bis (2-methoxyethyl) phthalate	117-82-8	204-212-6	<1000 ppm

*Table 3. Candidate list of substances of very high concern  
 Published October 28th, 2008, last update Jul 28th, 2020*

Substance name	CAS number	EC number	Involved in our supply chain
1,2-Dichloroethane	107-06-2	203-458-1	<1000 ppm
Bis(2-methoxyethyl)ether	111-96-6	203-924-4	<1000 ppm
Arsenic acid	7778-39-4	231-901-9	<1000 ppm
Calcium arsenate	7778-44-1	231-904-5	<1000 ppm
Trilead diarsenate	3687-31-8	222-979-5	<1000 ppm
N,N-dimethylacetamide(DMAC)	127-19-5	204-826-4	<1000 ppm
2,2'-dichloro-4,4'-methylenedianiline(MOCA)	101-14-4	202-918-9	<1000 ppm
Phenolphthalein	77-09-8	201-004-07	<1000 ppm
Lead diazide	13424-46-9	236-542-1	<1000 ppm
Lead styphnate	15245-44-0	239-290-0	<1000 ppm
Lead dipicrate	6477-64-1	229-335-2	<1000 ppm
1,2-bis(2-methoxyethoxy)ethane(TEGDME; triglyme)	112-49-2	203-977-3	<1000 ppm
1,2-dimethoxyethane:ethylene glycol dimethyl ether(EGDME)	110-71-4	203-794-9	<1000 ppm
Diboron trioxide	1303-86-2	215-125-8	<1000 ppm
Formamide	75-12-7	200-842-0	<1000 ppm
Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	<1000 ppm
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione(TGIC)	2451-62-9	219-514-3	<1000 ppm
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione( $\beta$ -TGIC)	59653-74-6	423-400-0	<1000 ppm
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	<1000 ppm
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	<1000 ppm
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)[with $\geq$ 0.1% of Michler's ketone or Michler's base]	548-62-9	208-953-6	<1000 ppm
[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)[with $\geq$ 0.1% of Michler's ketone or Michler's base]	2580-56-5	219-943-6	<1000 ppm
$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)[with $\geq$ 0.1% of Michler's ketone or Michler's base]	6786-83-0	229-851-8	<1000 ppm

Table 4. Candidate list of substances of very high concern  
 Published October 28<sup>th</sup>, 2008, last update Jul 28<sup>th</sup>, 2020

Substance name	CAS number	EC number	Involved in our supply chain
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with≥0.1% of Michler's ketone or Michler's base]	561-41-1	209-218-2	<1000 ppm
Bis(pentabromophenyl)ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	<1000 ppm
Pentacosaflluorotridecanoic acid	72629-94-8	276-745-2	<1000 ppm
Tricosaflluorododecanoic acid	307-55-1	206-203-2	<1000 ppm
Henicosaflluoroundecanoic acid	2058-94-8	218-165-4	<1000 ppm
Heptacosaflluorotetradecanoic acid	376-06-7	206-803-4	<1000 ppm
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	<1000 ppm
Cyclohexane-1,2-dicarboxylic anhydride \[1] cis-cyclohexane-1,2-dicarboxylic anhydride \[2] trans-cyclohexane-1,2-dicarboxylic anhydride \[3] The individual cis- \[2] and and all possible combinations of the cis- and trans-isomers \[1] are covered by this entry	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	<1000 ppm
Hexahydromethylphthalic anhydride \[1], Hexahydro-4-methylphthalic anhydride \[2], Hexahydro-1-methylphthalic anhydride \[3], Hexahydro-3-methylphthalic anhydride \[4] \[The individual isomers \[2], \[3] and \[4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers \[1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	<1000 ppm
4-Nonylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	--	<1000 ppm
4-(1,1,3,3-tetramethylbutyl)phenol	--	--	<1000 ppm
Methoxyacetic acid	625-45-6	210-894-6	<1000 ppm
N,N-dimethylformamide	68-12-2	200-679-5	<1000 ppm
Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	<1000 ppm
Lead monoxide (Lead oxide)	1317-36-8	215-267-0	<1000 ppm
Orange lead (Lead tetroxide)	1314-41-6	215-235-6	<1000 ppm

*Table 5. Candidate list of substances of very high concern  
 Published October 28<sup>th</sup>, 2008, last update Apr Jul 28<sup>th</sup> 2020*

Substance name	CAS number	EC number	Involved in our supply chain
Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	<1000 ppm
Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	<1000 ppm
Lead titanium trioxide	12060-00-3	235-038-9	<1000 ppm
Lead titanium zirconium oxide	12626-81-2	235-727-4	<1000 ppm
Silicic acid, lead salt	11120-22-2	234-363-3	<1000 ppm
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped 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	68784-75-8	272-271-5	<1000 ppm
1-bromopropane (n-propylbromide)	106-94-5	203-445-0	<1000 ppm
Methyloxirane (Propyleneoxide)	75-56-9	200-879-2	<1000 ppm
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear*	84777-06-0	284-032-2	<1000 ppm
Diisopentylphthalate *	605-50-5	210-088-4	<1000 ppm
N-pentyl-isopentylphthalate*	776297-69-9	--	<1000 ppm
1,2-Diethoxyethane	629-14-1	211-076-1	<1000 ppm
Acetic acid, lead salt, basic	51404-69-4	257-175-3	<1000 ppm
Lead oxide sulfate	12036-76-9	234-853-7	<1000 ppm
[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	<1000 ppm
Dioxobis(stearato)trilead	12578-12-0	235-702-8	<1000 ppm
Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	<1000 ppm
Lead cyanamidate	20837-86-9	244-073-9	<1000 ppm
Lead dinitrate	10099-74-8	233-245-9	<1000 ppm
Pentalead tetraoxide sulphate	12065-90-6	235-067-7	<1000 ppm
Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	<1000 ppm
Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	<1000 ppm

*Table 6 .Candidate list of substances of very high concern  
 Published October 28<sup>th</sup> 2008, last update Jul 28<sup>th</sup> 2020*

Substance name	CAS number	EC number	Involved in our supply chain
Tetraethyllead	78-00-2	201-075-4	< 1000 ppm
Tetralead trioxide sulphate	12202-17-4	235-380-9	< 1000 ppm
Trilead dioxide phosphonate	12141-20-7	235-252-2	< 1000 ppm
Furan	110-00-9	203-727-3	< 1000 ppm
Diethyl sulphate	64-67-5	200-589-6	< 1000 ppm
Dimethyl sulphate	77-78-1	201-058-1	< 1000 ppm
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	< 1000 ppm
Dinoseb(6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	< 1000 ppm
4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	< 1000 ppm
4,4'-oxydianiline and its salts	101-80-4	202-977-0	< 1000 ppm
4-aminoazobenzene	60-09-3	200-453-6	< 1000 ppm
4-methyl-m-phenylenediamine(toluene-2,4-diamine)	95-80-7	202-453-1	< 1000 ppm
6-methoxy-m-toluidine(p-cresidine)	120-71-8	204-419-1	< 1000 ppm
Biphenyl-4-ylamine	92-67-1	202-177-1	< 1000 ppm
o-aminoazotoluene	97-56-3	202-591-2	< 1000 ppm
o-toluidine	95-53-4	202-429-0	< 1000 ppm
N-methylacetamide	79-16-3	201-182-6	< 1000 ppm
Cadmium	7440-43-9	231-152-8	< 1000 ppm
Cadmium oxide	1306-19-0	215-146-2	< 1000 ppm
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	< 1000 ppm
Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	< 1000 ppm
Dipentyl phthalate (DPP)	131-18-0	205-017-9	< 1000 ppm
4-Nonylphenol, branched and linear, ethoxylated	--	--	< 1000 ppm
Cadmium sulphide	1306-23-6	215-147-8	< 1000 ppm

*Table 7 .Candidate list of substances of very high concern  
 Published October 28<sup>th</sup> 2008, last update Jul 28<sup>th</sup> 2020*



Substance name	CAS number	EC number	Involved in our supply chain
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	< 1000 ppm
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	< 1000 ppm
Dihexyl phthalate	84-75-3	201-559-5	< 1000 ppm
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	< 1000 ppm
Lead di(acetate)	301-04-2	206-104-4	< 1000 ppm
Trixylyl phosphate	25155-23-1	246-677-8	< 1000 ppm
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	< 1000 ppm
Sodium perborate; perboric acid, sodium salt	--	239-172-9; 234-390-0	< 1000 ppm
Sodium peroxometaborate	7632-04-4	231-556-4	< 1000 ppm
Cadmium chloride	10108-64-2	233-296-7	< 1000 ppm
Cadmium fluoride	7790-79-6	232-222-0	< 1000 ppm
Cadmium sulphate	10124-36-4; 31119-53-6	233-331-6	< 1000 ppm
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	< 1000 ppm
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	< 1000 ppm
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	< 1000 ppm
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)	--	--	< 1000 ppm

*Table 8. Candidate list of substances of very high concern  
Published October 28<sup>th</sup> 2008, last update Jul 28<sup>th</sup> 2020*

Substance name	CAS number	EC number	Involved in our supply chain
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	< 1000 ppm
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	--	--	< 1000 ppm
Nitrobenzene	98-95-3	202-716-0	< 1000 ppm
2, 4-2 - tert-butyl - 6 - (5 - chloro - 2 h - benzotriazole - 2 -) phenol (UV - 327)	3864-99-1	223-383-8	< 1000 ppm
2 - (2 '- hydroxy - 3 - isobutyl - 5' - tert-butyl phenyl) benzotriazole (UV - 350)	36437-37-3	253-037-1	< 1000 ppm
1, 3 - propane sulfonic lactone	1120-71-4	214-317-9	< 1000 ppm
Perfluorinated pelargonic acid and sodium and ammonium salt	375-95-1 21049-39-8 4149-60-4	206-801-3	< 1000 ppm
BaP	50-32-8	'200-028-5	< 1000 ppm
4,4'-isopropylidenediphenol Bisphenol A; BPA	80-05-7	201-245-8	< 1000 ppm
4-heptylphenol, branched and linear  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	--	--	< 1000 ppm
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts show/hide Decanoic acid, nonadecafluoro-, sodium salt EC no.: -   CAS no.: 3830-45-3  Ammonium nonadecafluorodecanoate EC no: 221-470-5   CAS no: 3108-42-7  Nonadecafluorodecanoic acid EC no.: 206-400-3   CAS no.: 335-76-2	--	--	< 1000 ppm
p-(1,1-dimethylpropyl)phenol	80-46-6	201-245-8	< 1000 ppm
Perfluorohexane-1-sulphonic acid and its salts	--	--	< 1000 ppm

*Table 9. Candidate list of substances of very high concern  
 Published October 28<sup>th</sup>, 2008, last update Jul 28<sup>th</sup> 2020*

Substance name	CAS number	EC number	Involved in our supply chain
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	---	---	< 1000 ppm
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa deca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	---	---	< 1000 ppm
Chrysene	218-01-9, 1719-03-5	205-923-4	< 1000 ppm
Cadmium nitrate	10022-68-1, 10325-94-7	233-710-6	< 1000 ppm
Cadmium hydroxide	21041-95-2	244-168-5	< 1000 ppm
Cadmium carbonate	513-78-0	208-168-9	< 1000 ppm
Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	< 1000 ppm
Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	< 1000 ppm
Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	< 1000 ppm
Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	< 1000 ppm
Lead	7439-92-1	231-100-4	< 1000 ppm
Disodium octaborate	12008-41-2	234-541-0	< 1000 ppm
Benzo[ghi]perylene	191-24-2	205-883-8	< 1000 ppm
Terphenyl hydrogenated	61788-32-7	262-967-7	< 1000 ppm
Ethylenediamine (EDA)	107-15-3	203-468-6	< 1000 ppm
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	< 1000 ppm
Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	< 1000 ppm
2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	< 1000 ppm
Benzo[k]fluoranthene	207-08-9	205-916-6	< 1000 ppm
Fluoranthene	206-44-0	205-912-4	< 1000 ppm
Phenanthrene	85-01-8	201-581-5	< 1000 ppm
Pyrene	129-00-0	204-927-3	< 1000 ppm
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	< 1000 ppm

*Table 10. Candidate list of substances of very high concern  
 Published October 28<sup>th</sup> 2008, last update Jul 28<sup>th</sup> 2020*

Substance name	CAS number	EC number	Involved in our supply chain
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	---	---	< 1000 ppm
2-methoxyethyl acetate	110-49-6	203-772-9	< 1000 ppm
4-tert-butylphenol	98-54-4	202-679-0	< 1000 ppm
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	---	---	< 1000 ppm
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	< 1000 ppm
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	< 1000 ppm
Diisohexyl phthalate	71850-09-4	276-090-2	< 1000 ppm
Perfluorobutane sulfonic acid (PFBS) and its salts	---	---	< 1000 ppm
1-vinylimidazole	1072-63-5	214-012-0	< 1000 ppm
2-methylimidazole	693-98-1	211-765-7	< 1000 ppm
Butyl 4-hydroxybenzoate	94-26-8	202-318-7	< 1000 ppm
Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	< 1000 ppm

*Table 11. Candidate list of substances of very high concern  
 Published October 28<sup>th</sup>, 2008, last update Jul 28<sup>th</sup>, 2020*

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Name	EC no.	CAS no.	Entry no.	Restriction Conditions
Polychlorinated terphenyls (PCTs)	-	-	01	<a href="https://echa.europa.eu/documents/10162/3fd87368-345a-4b56-b545-53b2b8d4aa8c">https://echa.europa.eu/documents/10162/3fd87368-345a-4b56-b545-53b2b8d4aa8c</a>
Chloroethene	200-831-0	75-01-4	02	<a href="https://echa.europa.eu/documents/10162/a7ed88f5-3b13-46ef-8fb7-dbb08087cfeb">https://echa.europa.eu/documents/10162/a7ed88f5-3b13-46ef-8fb7-dbb08087cfeb</a>
Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 (See group members):	-	-	03	<a href="https://echa.europa.eu/documents/10162/fcd e7e63-fd67-4bce-91f6-9e810dfb0f76">https://echa.europa.eu/documents/10162/fcd e7e63-fd67-4bce-91f6-9e810dfb0f76</a>
Hazard class 4.1	-	-	03	
Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	-	-	03	
Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	-	-	03	
Hazard class 5.1.	-	-	03	
Tris (2,3 dibromopropyl) phosphate	-	126-72-7	04	<a href="https://echa.europa.eu/documents/10162/c05269fe-1ecd-4186-9534-aaec4e15e0f1">https://echa.europa.eu/documents/10162/c05269fe-1ecd-4186-9534-aaec4e15e0f1</a>
Benzene	200-753-7	71-43-2	05	<a href="https://echa.europa.eu/documents/10162/59f436ca-8afa-4adf-b108-27d7bc8a7751">https://echa.europa.eu/documents/10162/59f436ca-8afa-4adf-b108-27d7bc8a7751</a>
Asbestos fibres	-	-	06	<a href="https://echa.europa.eu/documents/10162/574c30dd-398d-b3ff-cc67-e7e843c2b243">https://echa.europa.eu/documents/10162/574c30dd-398d-b3ff-cc67-e7e843c2b243</a>
Actinolite	-	77536-66-4	06	
Tremolite	-	77536-68-6	06	
Crocidolite	-	12001-28-4	06	
Amosite	-	12172-73-5	06	
Chrysotile	-	12001-29-5, 132207-32-0	06	
Anthophyllite	-	77536-67-5	06	
Tris(aziridinyl)phosphinoxide	208-892-5	545-55-1	07	<a href="https://echa.europa.eu/documents/10162/48077533-21cf-40dc-a8a8-d32408b8cda4">https://echa.europa.eu/documents/10162/48077533-21cf-40dc-a8a8-d32408b8cda4</a>
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	-	-	08	<a href="https://echa.europa.eu/documents/10162/bd d717aa-7466-40ce-8a46-08c83ecc3aeb">https://echa.europa.eu/documents/10162/bd d717aa-7466-40ce-8a46-08c83ecc3aeb</a>
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	-	59536-65-1	08	
Entry 9	-	-	09	<a href="https://echa.europa.eu/documents/10162/bc246292-b01b-4203-90b7-a4ba81a6780b">https://echa.europa.eu/documents/10162/bc246292-b01b-4203-90b7-a4ba81a6780b</a>
Soap bark powder (Quillaja saponaria) and its derivatives containing saponines	273-620-4	68990-67-0	09	
Benzidine and / or its derivatives	-	-	09	
o-Nitrobenzaldehyde	209-025-3	552-89-6	09	
Powder of the roots of Veratrum album and Veratrum nigrum	-	-	09	
Wood powder	-	-	09	

Powder of the roots of Helleborus viridis and Helleborus niger	-	-	09	
Entry 10	-	-	10	
Ammonium polysulphide	232-989-1	9080-17-5	10	<a href="https://echa.europa.eu/documents/10162/1c454ceb-4a7e-4d11-bde6-59bb4bfe7bb5">https://echa.europa.eu/documents/10162/1c454ceb-4a7e-4d11-bde6-59bb4bfe7bb5</a>
Ammonium sulphide	235-223-4	12135-76-1	10	
Ammonium hydrogen sulphide	235-184-3	12124-99-1	10	
Volatile esters of bromoacetic acids	-	-	11	
Methyl bromoacetate	202-499-2	96-32-2	11	<a href="https://echa.europa.eu/documents/10162/b515d01c-ab18-44a6-9ada-72529f1573ed">https://echa.europa.eu/documents/10162/b515d01c-ab18-44a6-9ada-72529f1573ed</a>
Butyl bromoacetate	242-729-9	18991-98-5	11	
Propyl bromoacetate	-	35223-80-4	11	
Ethyl bromoacetate	203-290-9	105-36-2	11	
2-naphthylamine and its salts	-	-	12	<a href="https://echa.europa.eu/documents/10162/1435a321-63c2-4baf-b325-1fb4bf29d950">https://echa.europa.eu/documents/10162/1435a321-63c2-4baf-b325-1fb4bf29d950</a>
Salts of 2-naphthylamine	-	-	12	
2-naphthylammonium chloride	210-313-6	612-52-2	12	
2-naphthylammonium acetate	209-030-0	553-00-4	12	
2-naphthylamine	202-080-4	91-59-8	12	
Benzidine and its salts	-	-	13	<a href="https://echa.europa.eu/documents/10162/c3f76361-78fe-4e74-89f2-bdbbb34083d4">https://echa.europa.eu/documents/10162/c3f76361-78fe-4e74-89f2-bdbbb34083d4</a>
Benzidine	202-199-1	92-87-5	13	
Salts of benzidine	-	-	13	
4-Nitrobiphenyl	202-204-7	92-93-3	14	<a href="https://echa.europa.eu/documents/10162/4abe7020-a86a-409c-87ac-22ae2c89b500">https://echa.europa.eu/documents/10162/4abe7020-a86a-409c-87ac-22ae2c89b500</a>
4-Aminobiphenyl xenylamine and its salts	-	-	15	<a href="https://echa.europa.eu/documents/10162/0e1cbf82-fe57-4c3b-97a4-0917ad8f212c">https://echa.europa.eu/documents/10162/0e1cbf82-fe57-4c3b-97a4-0917ad8f212c</a>
4-Aminobiphenyl xenylamine	202-177-1	92-67-1	15	
Lead carbonates	-	-	16	
Trilead-bis(carbonate)-dihydroxide 2PbCO <sub>3</sub> -Pb(OH) <sub>2</sub>	215-290-6	1319-46-6	16	<a href="https://echa.europa.eu/documents/10162/22dd9386-7fac-4e8d-953a-ef3c71025ad4">https://echa.europa.eu/documents/10162/22dd9386-7fac-4e8d-953a-ef3c71025ad4</a>
Neutral anhydrous carbonate (PbCO <sub>3</sub> )	209-943-4	598-63-0	16	
Lead sulphates	-	-	17	<a href="https://echa.europa.eu/documents/10162/ffd7653b-98cc-4bcc-9085-616559280314">https://echa.europa.eu/documents/10162/ffd7653b-98cc-4bcc-9085-616559280314</a>
Lead sulphate PbSO <sub>4</sub>	231-198-9	7446-14-2	17	
Sulphuric acid, lead salt Pb <sub>x</sub> SO <sub>4</sub>	239-831-0	15739-80-7	17	
Mercury compounds	-	-	18	<a href="https://echa.europa.eu/documents/10162/5a7222b0-9d3a-4a90-9e55-258149e92b1a">https://echa.europa.eu/documents/10162/5a7222b0-9d3a-4a90-9e55-258149e92b1a</a>
Mercury	231-106-7	7439-97-6	18a	<a href="https://echa.europa.eu/documents/10162/dbcaaec7-bd5b-4a7d-b164-23fa97950a86">https://echa.europa.eu/documents/10162/dbcaaec7-bd5b-4a7d-b164-23fa97950a86</a>
Arsenic compounds	-	-	19	<a href="https://echa.europa.eu/documents/10162/a798c758-371f-41e5-a38d-5f8dc9ba739d">https://echa.europa.eu/documents/10162/a798c758-371f-41e5-a38d-5f8dc9ba739d</a>
Triammonium arsenate	246-428-3	24719-13-9	19	
Tricobalt diarsenate	246-429-9	24719-19-5	19	
Dimethylarsinic acid	200-883-4	75-60-5	19	
Roxarsone	204-453-7	121-19-7	19	
Sodium dimethylarsinate	204-708-2	124-65-2	19	
6,6'-dihydroxy-3,3'-diarsene-1,2-diyldianilinium dichloride	205-386-6	139-93-5	19	

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Oxophenarsine	206-178-8	306-12-7	19
Tritylium hexafluoroarsenate	207-111-5	437-15-0	19
Neoarsphenamine	207-273-7	457-60-3	19
Oxophenarsine hydrochloride	208-682-3	538-03-4	19
Tris[(8 $\alpha$ ,9R)-6'-methoxycinchonan-9-ol] bis(arsenate)	208-971-4	549-59-7	19
Sulfarsphenamine	210-564-1	618-82-6	19
Phenylarsine oxide	211-275-3	637-03-6	19
Gallium arsenide	215-114-8	1303-00-0	19
Indium arsenide	215-115-3	1303-11-3	19
Diarsenic pentaoxide	215-116-9	1303-28-2, 12044-50-7	19
Arsenic sulfide	215-117-4	1303-33-9	19
Diarsenic triselenide	215-119-5	1303-36-2	19
Diarsenic trioxide	215-481-4	1327-53-3, 7440-38-2	19
Triethyl arsenite	221-543-1	3141-12-6	19
Trilead diarsenate	222-979-5	3687-31-8	19
Disodium 4-[(o-aronophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate	222-993-1	3688-92-4	19
Diphenyldiarsenic acid	224-845-1	4519-32-8	19
Arsenic	231-148-6	7440-38-2	19
Arsenic acid, sodium salt	231-547-5	7631-89-2	19
Arsenic acid	231-901-9	7778-39-4	19
Disodium hydrogenarsenate	231-902-4	7778-43-0	19
Calcium arsenate	231-904-5	7778-44-1	19
Trisilver arsenite	232-048-5	7784-08-9	19
Arsenic tribromide	232-057-4	7784-33-0	19
Arsenic trichloride	232-059-5	7784-34-1	19
Trifluoroarsine	232-060-0	7784-35-2	19
Pentafluoroarsorane	232-061-6	7784-36-3	19
Mercury hydrogenarsenate	232-062-1	7784-37-4	19
Manganese hydrogenarsenate	232-063-7	7784-38-5	19
Lead hydrogen arsenate	232-064-2	7784-40-9	19
Potassium dihydrogenarsenate	232-065-8	7784-41-0	19
Diammonium hydrogenarsenate	232-067-9	7784-44-3	19
Arsenic triiodide	232-068-4	7784-45-4	19
Sodium dioxoarsenate	232-070-5	7784-46-5	19
Pentahydroxyarsorane	232-096-7	7786-36-9	19
Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), zinc salt (1:2), arsenic and manganese-doped	271-895-5	68611-46-1	19
Bis(pentane-2,4-dionato-O,O')boron(1+) hexafluoroarsenate(1-)	272-591-5	68892-01-3	19
Antimony oxide (Sb <sub>2</sub> O <sub>3</sub> ), mixed with arsenic oxide (As <sub>2</sub> O <sub>3</sub> )	273-156-2	68951-38-2	19
Lead alloy, base, dross	273-700-9	69011-59-2	19
Lead, antimonial, dross	273-795-7	69029-51-2	19
Flue dust, lead-refining	273-809-1	69029-67-0	19

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Disilver arsenide	274-573-2	70333-07-2	19
Thallium triarsenide	281-902-3	84057-85-2	19
2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	282-682-1	84282-36-0	19
2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate	282-700-8	84304-15-4	19
4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	282-701-3	84304-16-5	19
Tris[(8 $\alpha$ )-6'-methoxycinchonan-9(R)-ol] arsenite	303-002-2	94138-87-1	19
Gallium zinc triarsenide	308-577-3	98106-56-0	19
Vanadium(4+) diarsenate (1:1)	308-917-0	99035-51-5	19
Strychnidin-10-one, arsenite (1:1)	309-388-9	100258-44-4	19
Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich	309-772-6	100995-81-1	19
Arsenic acid (H3AsO4), magnesium salt, manganese-doped	310-019-9	102110-21-4	19
Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.	310-063-9	102110-62-3	19
Sodium hexafluoroarsenate(V)	624-772-9	12005-86-6	19
Sodium arsenate dibasic heptahydrate	677-900-0	10048-95-0	19
Sodium cacodylate trihydrate	682-793-9	6131-99-3	19
Cobalt arsenide	248-168-6	27016-73-5	19
Nickel arsenide	248-169-1	27016-75-7	19
Tricalcium diarsenite	248-266-9	27152-57-4	19
3-methyl-4-(pyrrolidin-1-yl)benzenediazonium hexafluoroarsenate	248-532-4	27569-09-1	19
Antimony arsenate	249-347-1	28980-47-4	19
Arsenic acid, copper(2+) salt	249-916-4	29871-13-4	19
Lithium hexafluoroarsenate	249-963-0	29935-35-1	19
Ammonium copper arsenate	251-151-6	32680-29-8	19
Europium arsenide	251-206-4	32775-46-5	19
Tristrontium diarsenide	254-407-5	39297-24-0	19
Triphenylsulphonium hexafluoroarsenate(1-)	261-009-5	57900-42-2	19
Zirconium arsenide	262-524-8	60909-47-9	19
Trimanganese arsenide	262-667-6	61219-26-9	19
Disodium 3,6-bis[(o-aronophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	263-516-7	62337-00-2	19
Diphenyliodonium hexafluoroarsenate	263-638-0	62613-15-4	19
4-(ethylamino)-2-methylbenzenediazonium hexafluoroarsenate	264-026-6	63217-32-3	19
4-(diethylamino)-2-ethoxybenzenediazonium hexafluoroarsenate	264-027-1	63217-33-4	19
Antimony arsenic oxide	264-904-9	64475-90-7	19
Arsenic bromide	265-296-8	64973-06-4	19
Cobalt arsenide	265-784-0	65453-05-6	19



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Tris(pentane-2,4-dionato-O,O')silicon hexafluoroarsenate	266-621-6	67251-38-1	19
Slimes and Sludges, copper refining	266-977-2	67712-00-9	19
Flue dust, arsenic-contg.	232-434-3	8028-73-7	19
Lead arsenite	233-083-9	10031-13-7	19
Iron arsenate	233-274-7	10102-49-5	19
Iron bis(arsenate)	233-275-2	10102-50-8	19
Arsenic acid, magnesium salt	233-285-7	10103-50-1	19
Arsenic acid, copper salt	233-286-2	10103-61-4	19
Arsenic acid, calcium salt	233-287-8	10103-62-5	19
Strychnine arsenate	233-970-0	10476-82-1	19
Tricopper arsenide	234-472-6	12005-75-3	19
Dysprosium arsenide	234-473-1	12005-81-1	19
Diron arsenide	234-474-7	12005-88-8	19
Gadolinium arsenide	234-475-2	12005-89-9	19
Holmium arsenide	234-476-8	12005-92-4	19
Lutetium arsenide	234-477-3	12005-94-6	19
Manganese arsenide	234-478-9	12005-95-7	19
Terbium arsenide	234-479-4	12006-08-5	19
Thallium arsenide	234-481-5	12006-09-6	19
Thulium arsenide	234-482-0	12006-10-9	19
Ytterbium arsenide	234-483-6	12006-12-1	19
Iron diarsenide	234-485-7	12006-21-2	19
Trizinc diarsenide	234-486-2	12006-40-5	19
Iron arsenide	234-947-8	12044-16-5	19
Digallium arsenide phosphide	234-948-3	12044-20-1	19
Tripotassium arsenide	234-949-9	12044-21-2	19
Trilithium arsenide	234-950-4	12044-22-3	19
Trisodium arsenide	234-952-5	12044-25-6	19
Praseodymium arsenide	234-953-0	12044-28-9	19
Trimagnesium diarsenide	234-954-6	12044-49-4	19
Diarsenic tritelluride	234-955-1	12044-54-1	19
Zinc diarsenide	234-956-7	12044-55-2	19
Nickel diarsenide	235-103-1	12068-61-0	19
Dichromium arsenide	235-499-6	12254-85-2	19
Erbium arsenide	235-501-5	12254-88-5	19
Lanthanum arsenide	235-502-0	12255-04-8	19
Niobium arsenide	235-503-6	12255-08-2	19
Neodymium arsenide	235-504-1	12255-09-3	19
Triantimony arsenide	235-505-7	12255-36-6	19
Samarium arsenide	235-506-2	12255-39-9	19
Yttrium arsenide	235-507-8	12255-48-0	19
Tribarium diarsenide	235-508-3	12255-50-4	19
Tricalcium diarsenide	235-509-9	12255-53-7	19
Germanium arsenide	235-547-6	12271-72-6	19

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Dichromium arsenide	235-499-6	12254-85-2	19	
Erbium arsenide	235-501-5	12254-88-5	19	
Lanthanum arsenide	235-502-0	12255-04-8	19	
Niobium arsenide	235-503-6	12255-08-2	19	
Neodymium arsenide	235-504-1	12255-09-3	19	
Triantimony arsenide	235-505-7	12255-36-6	19	
Samarium arsenide	235-506-2	12255-39-9	19	
Yttrium arsenide	235-507-8	12255-48-0	19	
Tribarium diarsenide	235-508-3	12255-50-4	19	
Tricalcium diarsenide	235-509-9	12255-53-7	19	
Germanium arsenide	235-547-6	12271-72-6	19	
Trisilver arsenide	235-652-7	12417-99-1	19	
Arsenic sulfide	235-720-6	12612-21-4	19	
Ammonium dihydrogenarsenate	236-667-1	13462-93-6	19	
Potassium arsenite	236-680-2	13464-35-2	19	
Trisodium arsenite	236-681-8	13464-37-4	19	
Trisodium arsenate	236-682-3	13464-38-5	19	
Zinc arsenate	236-683-9	13464-44-3	19	
Tristrontium diarsenate	236-684-4	13464-68-1	19	
Tribarium diarsenate	236-762-8	13477-04-8	19	
Trinickel bis(arsenate)	236-771-7	13477-70-8	19	
Trilithium arsenate	236-773-8	13478-14-3	19	
Trisilver arsenate	236-841-7	13510-44-6	19	
Sodium metaarsenate	239-171-3	15120-17-9	19	
Copper diarsenite	240-574-1	16509-22-1	19	
Potassium hexafluoroarsenate	241-102-7	17029-22-0	19	
Hydrogen hexafluoroarsenate	241-128-9	17068-85-8	19	
N-(p-arsenosophenyl)-1,3,5-triazine-2,4,6-triamine	244-612-8	21840-08-4	19	
Aluminium arsenide	245-255-0	22831-42-1	19	
Organostannic compounds	-	-	20	<a href="https://echa.europa.eu/documents/10162/7bd363a8-da41-460f-838d-3326b3fb7bd4">https://echa.europa.eu/documents/10162/7bd363a8-da41-460f-838d-3326b3fb7bd4</a>
Di- $\mu$ -oxo-di-n-butylstanniohydroxyborane / Dibutyltin hydrogen borate C <sub>8</sub> H <sub>19</sub> BO <sub>3</sub> Sn (DBB)	401-040-5	75113-37-0	21	<a href="https://echa.europa.eu/documents/10162/ce4f0c81-1ba1-4b5d-8d6e-6e1e05a36902">https://echa.europa.eu/documents/10162/ce4f0c81-1ba1-4b5d-8d6e-6e1e05a36902</a>

Pentachlorophenol and its salts and esters	-	-	22	
Pentachlorophenol esters	-	-	22	
Pentachlorophenol salts	-	-	22	
N2-benzyl pentachlorophenyl N2-carboxy-L-(2-aminoglutarate)	237-155-0	13673-51-3	22	
Perchlorophenyl N-(benzyloxycarbonyl)-L-isoleucinate	237-156-6	13673-53-5	22	
Perchlorophenyl S-benzyl-N-(benzyloxycarbonyl)-L-cysteinate	237-157-1	13673-54-6	22	<a href="https://echa.europa.eu/documents/10162/f92b0bfe-82ca-4a4d-b618-c674065c9d9e">https://echa.europa.eu/documents/10162/f92b0bfe-82ca-4a4d-b618-c674065c9d9e</a>
Perchlorophenyl 5-oxo-L-prolinate	249-360-2	28990-85-4	22	
Pentachlorophenol	201-778-6	87-86-5	22	
Sodium pentachlorophenolate	205-025-2	131-52-2	22	
Zinc bis(pentachlorophenolate)	220-847-1	2917-32-0	22	
Pentachlorophenyl laurate	223-220-0	3772-94-9	22	
Potassium pentachlorophenolate	231-911-3	7778-73-6	22	
Pentachlorophenyl N-[[[(4-methoxyphenyl)methoxy]carbonyl]-L-serinate	245-508-5	23234-97-1	22	
Cadmium and its compounds	-	-	23	
Bis[N,N-bis(carboxymethyl)glycinato(3-)]tricadmium	256-679-0	50648-02-7	23	
Boric acid, cadmium salt	257-067-6	51222-60-7	23	
Cadmium o-toluate	257-860-7	52337-78-7	23	
Cadmium bis(4-cyclohexylbutyrate)	259-767-7	55700-14-6	23	
Cadmium divalerate	260-498-2	56982-42-4	23	
Cadmium sulfoselenide red	261-218-1	58339-34-7	23	
Naphthenic acids, cadmium salts	263-053-0	61789-34-2	23	
Cadmium neodecanoate	263-352-6	61951-96-0	23	
Cadmium bis(heptadecanoate)	263-434-1	62149-56-8	23	
Cadmium pentadecanoate	264-124-9	63400-09-9	23	
(S)-dichloro[2-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium	265-010-1	64681-08-9	23	<a href="https://echa.europa.eu/documents/10162/3bfe8a3-8c97-4d85-ae0b-ac6827de49a9">https://echa.europa.eu/documents/10162/3bfe8a3-8c97-4d85-ae0b-ac6827de49a9</a>
Bis(propane-1,2-diyl)diamine-N,N')cadmium(2+) bis[bis(cyano-C)aurate(1-)]	267-692-6	67906-19-8	23	
Cadmium dilinoleate	267-845-7	67939-62-2	23	
Tetrapotassium [[[[nitri]tris(methylene)]tris[phosphonato]](6-)-N,O,O',O''']cadmate(6-)	268-020-4	67989-93-9	23	
Cadmium m-toluate	268-458-6	68092-45-5	23	
Fatty acids, C10-18, cadmium salts	268-620-6	68131-58-8	23	
Fatty acids, C12-18, cadmium salts	268-621-1	68131-59-9	23	

Benzyltriphenylphosphonium tetrachlorocadmate	269-289-0	68214-25-5	23
Pentapotassium hydrogen [[[(ethylenebis[nitrilobis(methylene)]]]tetraakis[phosphonato]](8-)]cadmate(6-)	269-685-3	68309-98-8	23
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	269-773-1	68332-81-0	23
Fatty acids, C14-18, cadmium salts	270-067-0	68409-82-5	23
Cadmium, benzoate p-tert-butylbenzoate complexes	270-824-5	68478-53-5	23
Pyrochlore, bismuth cadmium ruthenium	270-855-4	68479-13-0	23
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	272-220-7	68784-10-1	23
Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	272-257-9	68784-55-4	23
Fatty acids, tall-oil, cadmium salts	272-499-5	68855-80-1	23
Fatty acids, C8-18 and C18-unsatd., cadmium salts	272-529-7	68876-84-6	23
Cadmium sulfide (CdS), aluminum and copper-doped	272-539-1	68876-98-2	23
Cadmium sulfide (CdS), aluminum and silver-doped	272-540-7	68876-99-3	23
Cadmium sulfide (CdS), copper chloride-doped	272-541-2	68877-00-9	23
Cadmium sulfide (CdS), silver chloride-doped	272-542-8	68877-01-0	23
Cadmium sulfide (CdS), copper and lead-doped	272-581-0	68891-87-2	23
Fatty acids, tallow, hydrogenated, cadmium salts	273-203-7	68953-39-9	23
Resin acids and Rosin acids, cadmium salts	273-320-3	68956-81-0	23
Hydrogen [4-[(5-chloro-4-methyl-2-sulphophenyl)azo]-3-hydroxynaphthalene-2-carboxylato(3-)]cadmate(1-)	273-461-0	68966-97-2	23
Cadmium, dross	273-707-7	69011-69-4	23
Wastewater, cadmium sulfate electrolytic, acid	273-721-3	69012-21-1	23
Flue dust, cadmium-refining	273-754-3	69012-57-3	23
Calcines, cadmium residue	273-806-5	69029-63-6	23
Leach residues, cadmium-refining	273-811-2	69029-70-5	23
Residues, cadmium-refining	273-819-6	69029-77-2	23
Slimes and Sludges, cadmium-refining, oxidized	273-831-1	69029-90-9	23

Slimes and Sludges, cadmium sump tank	273-832-7	69029-91-0	23
Cadmium(2+) 12-hydroxyoctadecanoate	273-881-4	69121-20-6	23
Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1)	273-906-9	69190-99-4	23
Fatty acids, C12-18, barium cadmium salts	274-304-9	70084-75-2	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide	275-290-7	71243-75-9	23
(R)-12-hydroxyoleic acid, barium cadmium salt	275-370-1	71411-66-0	23
Tetra- $\mu$ -chlorodichlorobis[2-[[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]tricadmium, stereoisomer	276-100-5	71861-27-3	23
Fatty acids, coco, cadmium salts	276-952-8	72869-63-7	23
Zircon, cadmium yellow	277-135-9	72968-34-4	23
Cadmium isononanoate	283-660-4	84696-56-0	23
Cadmium isooctadecanoate	284-428-5	84878-36-4	23
Cadmium tert-decanoate	284-429-0	84878-37-5	23
Cadmium bis(nonylphenolate)	284-441-6	84878-48-8	23
Cadmium bis(octylphenolate)	284-444-2	84878-51-3	23
Flue dust, lead-manufg., cadmium-rich	285-554-3	85117-02-8	23
Waste solids, cadmium-electrolysis, thallium-rich	285-572-1	85117-20-0	23
Fatty acids, C9-11-branched, cadmium salts	287-817-8	85586-15-8	23
Bis(5-oxo-L-prolinato-N1,O2)cadmium	288-974-5	85958-86-7	23
Bis(5-oxo-DL-prolinato-N1,O2)cadmium	289-081-3	85994-31-6	23
Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts	290-645-6	90194-35-7	23
Benzoic acid, cadmium salt, basic	290-764-3	90218-85-2	23
Decanoic acid, branched, cadmium salts	291-155-5	90342-19-1	23
Hexanoic acid, 2-ethyl-, cadmium salt, basic	291-438-3	90411-62-4	23
Propanoic acid, cadmium salt, basic	292-013-5	90529-78-5	23
Cadmium zinc lithopone yellow	292-385-9	90604-89-0	23
Cadmium lithopone yellow	292-386-4	90604-90-3	23
Leach residues, cadmium cake	293-309-7	91053-44-0	23
Leach residues, zinc ore-calcine, cadmium-copper ppt.	293-311-8	91053-46-2	23
Fatty acids, castor-oil, hydrogenated, cadmium salts	294-296-0	91697-35-7	23
Fatty acids, C8-10-branched, cadmium salts	296-092-7	92257-06-2	23
Leach residues, zinc refining flue dust, cadmium-thallium ppt.	296-097-4	92257-11-9	23

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Fatty acids, C9-13-neo-, cadmium salts	296-441-3	92704-12-6	23
Fatty acids, olive-oil, cadmium salts	296-445-5	92704-15-9	23
Fatty acids, peanut-oil, cadmium salts	296-449-7	92704-19-3	23
Fatty acids, rape-oil, cadmium salts	296-454-4	92704-24-0	23
Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts	296-564-2	92797-28-9	23
Nonanoic acid, branched, cadmium salt	297-692-1	93686-40-9	23
Carbonic acid, cadmium salt	298-586-8	93820-02-1	23
Bis(2-ethylhexyl mercaptoacetato - O',S)cadmium	299-281-2	93858-50-5	23
Cadmium bis(o-nonylphenolate)	299-701-4	93894-07-6	23
Cadmium bis(p-nonylphenolate)	299-703-5	93894-08-7	23
Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]	299-704-0	93894-09-8	23
Cadmium (Z)-hexadec-9-enoate	299-705-6	93894-10-1	23
Cadmium isodecanoate	300-973-4	93965-24-3	23
Cadmium bis(isoundecanoate)	300-980-2	93965-30-1	23
Cadmium dimethylhexanoate	301-320-6	93983-65-4	23
Cadmium tetrapentyl bis(phosphate)	303-977-4	94232-49-2	23
Cadmium isooctyl phthalate (1:2:2)	304-193-5	94247-16-2	23
Cadmium (1-ethylhexyl) phthalate (1:2:2)	304-482-6	94275-93-1	23
Cadmium octyl phthalate (1:2:2)	304-483-1	94275-94-2	23
Leach residues, cadmium-contg. flue dust	305-417-4	94551-70-9	23
Cadmium isoheptadecanoate	306-072-2	95892-12-9	23
Cadmium diisobutyl dimaleate	306-446-5	97259-82-0	23
Zircon, cadmium orange	309-029-6	99749-34-5	23
Cadmium chloride phosphate (Cd5Cl(PO4)3), manganese-doped	309-489-8	100402-53-7	23
Flue dust, copper-lead blast furnace, cadmium-indium-enriched	309-645-5	100656-55-1	23
Dodecanoic acid, cadmium salt, basic	309-789-9	101012-89-9	23
Octadecanoic acid, cadmium salt, basic	309-794-6	101012-93-5	23
Octadecanoic acid, 12-hydroxy-, cadmium salt, basic	309-795-1	101012-94-6	23
Cadmium oxide (CdO), solid soln. with calcium oxide and titanium oxide (TiO2), praseodymium-doped	309-896-0	101356-99-4	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-doped	309-897-6	101357-00-0	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-doped	309-898-1	101357-01-1	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, europium-doped	309-899-7	101357-02-2	23

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Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-doped	309-900-0	101357-03-3	23
Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-doped	309-901-6	101357-04-4	23
Cadmium oxide (CdO), solid soln. with magnesium oxide, tungsten oxide (WO <sub>3</sub> ) and zinc oxide	310-029-3	102110-30-5	23
Silicic acid, zirconium salt, cadmium pigment-encapsulated	310-077-5	102184-95-2	23
CADMIUM ACETATE, DIHYDRATE	611-525-5	5743-04-4	23
cadmium sulphate hydrate (3:8)	616-572-5	7790-84-3	23
Cadmium (II) chloride monohydrate	621-024-3	35658-65-2	23
Cadmium perchlorate hexahydrate	629-339-8	10326-28-0	23
Cadmium chloride hydrate	629-592-4	654054-66-7	23
cadmium chloride, hydrate(2:5)	640-998-0	7790-78-5	23
Cadmium compounds	-	-	23
Cadmium wolframate	232-226-2	7790-85-4	23
Cadmium zinc sulfide yellow	232-466-8	8048-07-5	23
Cadmium chloride	233-296-7	10108-64-2, 35658-65-2	23
Cadmium sulphate	233-331-6	7790-84-3, 10124-36-4, 31119-53-6	23
Cadmium myristate	233-489-6	10196-67-5	23
Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	23
Cadmium dioleate	233-954-3	10468-30-1	23
Cadmium selenide sulphide	234-342-9	11112-63-3	23
Cadmium titanium trioxide	234-593-4	12014-14-1	23
Tricadmium diphosphide	234-595-5	12014-28-7	23
Antimony, compound with cadmium (2:3)	234-596-0	12014-29-8	23
Cadmium zirconium trioxide	235-251-7	12139-23-0	23
Pentacadmium chloridetriphosphate	235-353-1	12185-64-7	23
Dicadmium niobate	235-357-3	12187-14-3	23
Dicadmium selenide sulphide	235-392-4	12214-12-9	23
Cadmium ditantalum hexaoxide	235-561-2	12292-07-8	23
Cadmium zinc sulphide	235-672-6	12442-27-2	23
Cadmium selenide sulfide	235-724-8	12626-36-7	23
Cadmium sulfoselenide orange	235-758-3	12656-57-4	23
Tricadmium bis(phosphate)	236-764-9	13477-17-3	23
Cadmium silicate	236-765-4	13477-19-5	23
Cadmium sulphite	236-767-5	13477-23-1	23
Diboron tricadmium hexaoxide	237-225-0	13701-66-1	23
Dicadmium hexakis(cyano-C)ferrate(4-)	237-341-1	13755-33-4	23
Cadmium selenite	237-480-8	13814-59-0	23
Cadmium selenate	237-481-3	13814-62-5	23
Cadmium diricinoleate	237-544-5	13832-25-2	23

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Cadmium orthophosphate	237-581-7	13847-17-1	23
Cadmium molybdenum tetroxide	237-752-6	13972-68-4	23
Cadmium disulphamate	237-832-0	14017-36-8	23
Cadmium hydrogen phosphate	237-920-9	14067-62-0	23
Cadmium bis(diethyldithiocarbamate)	238-113-4	14239-68-0	23
Cadmium chromate	238-252-0	14312-00-6	23
Cadmium dipotassium tetracyanide	238-371-8	14402-75-6	23
Cadmium tetrafluoroborate	238-490-5	14486-19-2	23
Bis(dibutyldithiocarbamate-S,S')cadmium	238-609-0	14566-86-0	23
Bis(pentane-2,4-dionato-O,O')cadmium	238-730-9	14689-45-3	23
Tris(ethylenediamine)cadmium dihydroxide	238-945-8	14874-24-9	23
Cadmium diicosanoate	238-994-5	14923-81-0	23
Cadmium bis(piperidine-1-carbodithioate)	239-025-9	14949-59-8	23
Bis(dimethyldithiocarbamate-S,S')cadmium	239-026-4	14949-60-1	23
Lauric acid, barium cadmium salt	239-371-0	15337-60-7	23
Disodium tetrakis(cyano-C)cadmate(2-)	239-765-2	15682-87-8	23
Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	239-801-7	15708-29-9	23
Cadmium acrylate	239-835-2	15743-19-8	23
Cadmium tellurium trioxide	239-963-9	15851-44-2	23
Cadmium tellurium tetraoxide	239-973-3	15852-14-9	23
Cadmium dilactate	240-181-5	16039-55-7	23
Cadmium divanadium hexoxide	240-203-3	16056-72-7	23
5-oxo-L-proline, cadmium salt	240-269-3	16105-06-9	23
Cadmium propionate	241-066-2	16986-83-7	23
Cadmium hexafluorosilicate(2-)	241-084-0	17010-21-8	23
Bis(ethylenediamine)cadmium(2+) bis[dicyanoaurate(1-)]	242-708-4	18974-20-4	23
Cadmium diphenolate	242-727-8	18991-05-4	23
Cadmium bis(dipentyldithiocarbamate)	242-747-7	19010-65-2	23
Cadmium disalicylate	242-749-8	19010-79-8	23
Cadmium hydroxide	244-168-5	21041-95-2	23
Cadmium methacrylate	246-183-2	24345-60-6	23
Cadmium epoxyoctadecanoate	247-560-4	26264-48-2	23
Cadmium succinate	205-446-1	141-00-4	23
Dimethylcadmium	208-055-4	506-82-1	23
Cadmium carbonate	208-168-9	513-78-0	23
Cadmium cyanide	208-829-1	542-83-6	23
Cadmium di(acetate)	208-853-2	543-90-8, 5743-04-4	23
Cadmium oxalate	212-408-8	814-88-0	23
Cadmium dithiocyanate	212-738-2	865-38-3	23
Barium cadmium tetrastearate	214-740-9	1191-79-3	23
Cadmium oxide	215-146-2	1306-19-0	23
Cadmium sulphide	215-147-8	1306-23-6	23
Cadmium selenide	215-148-3	1306-24-7	23
Cadmium telluride	215-149-9	1306-25-8	23



Cadmium di(octanoate)	218-585-8	2191-10-8	23	
Cadmium distearate	218-743-6	2223-93-0	23	
Cadmium p-toluat	219-345-5	2420-97-5	23	
Cadmium bis(2-ethylhexanoate)	219-346-0	2420-98-6	23	
Cadmium dilaurate	220-017-9	2605-44-9	23	
Cadmium didecanoate	220-650-0	2847-16-7	23	
Cadmium bis[benzoate]	221-187-7	3026-22-0	23	
Cadmium 4-(1,1-dimethylethyl)benzoate	224-022-7	4167-05-9	23	
Cadmium cinnamate	224-509-4	4390-97-0	23	
Cadmium diformate	224-729-0	4464-23-7	23	
Cadmium sebacate	224-754-7	4476-04-4	23	
Cadmium nonan-1-oate	225-839-1	5112-16-3	23	
Cadmium dipalmitate	229-199-4	6427-86-7	23	
Cadmium dianthranilate	230-343-3	7058-55-1	23	
Cadmium	231-152-8	7440-43-9	23	
Cadmium bromide	232-165-1	7789-42-6	23	
Cadmium fluoride	232-222-0	7790-79-6	23	
Cadmium iodide	232-223-6	7790-80-9	23	
Cadmium iodate	232-224-1	7790-81-0	23	
Cadmium dinitrite	232-225-7	7790-83-2	23	
Cadmium toluate	248-480-2	27476-27-3	23	
[[N,N'-ethylenebis(glycinato)](2-)-N,N',O,O']cadmium	249-987-1	29977-13-7	23	
Cadmium isooctanoate	250-118-3	30304-32-6	23	
Cadmium dodecylbenzenesulphonate	250-433-6	31017-44-4	23	
Cadmium (1,1-dimethylethyl)benzoate	250-515-1	31215-94-8	23	
Cadmium [R-(R*,R*)]-tartrate	251-827-0	34100-40-8	23	
Cadmium didocosanoate	251-927-4	34303-23-6	23	
Cadmium 3,5,5-trimethylhexanoate	252-918-8	36211-44-6	23	
Cadmium(2+) (R)-12-hydroxyoctadecanoate	253-979-3	38517-19-0	23	
Potassium [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O']cadmate(1-)	256-488-2	49784-42-1	23	
Monomethyl — tetrachlorodiphenyl methane Trade name: Ugilec 141	-	76253-60-6	24	<a href="https://echa.europa.eu/documents/10162/1d81010a-17e1-4026-b01c-70f647c7356b">https://echa.europa.eu/documents/10162/1d81010a-17e1-4026-b01c-70f647c7356b</a>
Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21	-	-	25	<a href="https://echa.europa.eu/documents/10162/08960286-ad89-47b1-a538-7f4c8d7d9074">https://echa.europa.eu/documents/10162/08960286-ad89-47b1-a538-7f4c8d7d9074</a>
Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT	-	99688-47-8	26	<a href="https://echa.europa.eu/documents/10162/47ff2539-e5fc-48e4-9136-1ded27dda4fc">https://echa.europa.eu/documents/10162/47ff2539-e5fc-48e4-9136-1ded27dda4fc</a>
Nickel and its compounds	-	-	27	
Nickel compounds	-	-	27	<a href="https://echa.europa.eu/documents/10162/7851171d-53e9-455a-8bb8-7ca22e89ad87">https://echa.europa.eu/documents/10162/7851171d-53e9-455a-8bb8-7ca22e89ad87</a>
Nickel	231-111-4	7440-02-0	27	

Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows (See group members):	-	-	28	<a href="https://echa.europa.eu/documents/10162/caa50aef-640d-43b6-8eb0-6c9c542afa70">https://echa.europa.eu/documents/10162/caa50aef-640d-43b6-8eb0-6c9c542afa70</a>
Carcinogen category 1B (Table 3.1)/ carcinogen category 2 (Table 3.2) listed in Appendix 2	-	-	28	
Carcinogen category 1A (Table 3.1)/ carcinogen category 1 (Table 3.2) listed in Appendix 1	-	-	28	
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed as follows (See group members):	-	-	29	<a href="https://echa.europa.eu/documents/10162/91135346-5343-4772-9e2e-185d0a403ed5">https://echa.europa.eu/documents/10162/91135346-5343-4772-9e2e-185d0a403ed5</a>
Mutagen category 1B (Table 3.1)/ mutagen category 2 (Table 3.2) listed in Appendix 4	-	-	29	
Mutagen category 1A (Table 3.1)/ mutagen category 1 (Table 3.2) listed in Appendix 3	-	-	29	
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows (See group members):	-	-	30	<a href="https://echa.europa.eu/documents/10162/fc55e515-6325-4872-8156-5b5451af20b4">https://echa.europa.eu/documents/10162/fc55e515-6325-4872-8156-5b5451af20b4</a>
Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6	-	-	30	
Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5	-	-	30	
Entry 31	-	-	31	<a href="https://echa.europa.eu/documents/10162/3bbeb1d6-82f7-42b0-9e4c-d8ea9db7ddd3">https://echa.europa.eu/documents/10162/3bbeb1d6-82f7-42b0-9e4c-d8ea9db7ddd3</a>
Creosote oil; wash oil	263-047-8	61789-28-4	31	
Tar acids, coal, crude; crude phenols	266-019-3	65996-85-2	31	
Distillates (coal tar), upper; heavy anthracene oil	266-026-1	65996-91-0	31	
Distillates (coal tar), naphthalene oils; naphthalene oil	283-484-8	84650-04-4	31	
Creosote, wood	232-419-1	8021-39-4	31	

Creosote oil, acenaphthene fraction; wash oil	292-605-3	90640-84-9	31	
Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline	310-191-5	122384-78-5	31	
Creosote; wash oil	232-287-5	8001-58-9	31	
Anthracene oil	292-602-7	90640-80-5	31	
Chloroform	200-663-8	67-66-3	32	<a href="https://echa.europa.eu/documents/10162/3a704004-7613-4635-8f97-d5e06a3dd860">https://echa.europa.eu/documents/10162/3a704004-7613-4635-8f97-d5e06a3dd860</a>
1,1,2-Trichloroethane	201-166-9	79-00-5	34	<a href="https://echa.europa.eu/documents/10162/b6152d9d-052a-4f8c-849f-661fa4b39e99">https://echa.europa.eu/documents/10162/b6152d9d-052a-4f8c-849f-661fa4b39e99</a>
1,1,2,2-Tetrachloroethane	201-197-8	79-34-5	35	<a href="https://echa.europa.eu/documents/10162/efc8a7e-d8cb-4ab3-a266-80e92c515780">https://echa.europa.eu/documents/10162/efc8a7e-d8cb-4ab3-a266-80e92c515780</a>
1,1,1,2-Tetrachloroethane	-	630-20-6	36	<a href="https://echa.europa.eu/documents/10162/0eaea875-9f18-4164-98af-a46ee96b6493">https://echa.europa.eu/documents/10162/0eaea875-9f18-4164-98af-a46ee96b6493</a>
Pentachloroethane	200-925-1	76-01-7	37	<a href="https://echa.europa.eu/documents/10162/29afaaf7-80f9-41a5-bf70-6bea78773e65">https://echa.europa.eu/documents/10162/29afaaf7-80f9-41a5-bf70-6bea78773e65</a>
1,1-Dichloroethene	200-864-0	75-35-4	38	<a href="https://echa.europa.eu/documents/10162/47239303-dea1-4d12-8a2f-b95bc7c5f1b8">https://echa.europa.eu/documents/10162/47239303-dea1-4d12-8a2f-b95bc7c5f1b8</a>
Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not	-	-	40	<a href="https://echa.europa.eu/documents/10162/1334f4e4-caf0-4473-b5f9-f8a8d17c5c57">https://echa.europa.eu/documents/10162/1334f4e4-caf0-4473-b5f9-f8a8d17c5c57</a>
Hexachloroethane	200-666-4	67-72-1	41	<a href="https://echa.europa.eu/documents/10162/81999653-d3c7-4f71-88a3-2c9373b12d52">https://echa.europa.eu/documents/10162/81999653-d3c7-4f71-88a3-2c9373b12d52</a>
Azocolourants and Azodyes	-	-	43	<a href="https://echa.europa.eu/documents/10162/6ff5910f-f80b-41c3-9c15-026731e4c03d">https://echa.europa.eu/documents/10162/6ff5910f-f80b-41c3-9c15-026731e4c03d</a>
Diphenylether, octabromo derivative C <sub>12</sub> H <sub>2</sub> Br <sub>8</sub> O	-	-	45	<a href="https://echa.europa.eu/documents/10162/ce525a61-dbc8-4847-965f-db4f6136d5b5">https://echa.europa.eu/documents/10162/ce525a61-dbc8-4847-965f-db4f6136d5b5</a>
Entry 46	-	-	46	
Nonylphenol ethoxylates (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>24</sub> O	-	-	46	<a href="https://echa.europa.eu/documents/10162/b91a8a69-f38e-4a35-ab7d-e475e5926988">https://echa.europa.eu/documents/10162/b91a8a69-f38e-4a35-ab7d-e475e5926988</a>
Nonylphenol C <sub>6</sub> H <sub>4</sub> (OH)C <sub>9</sub> H <sub>19</sub>	246-672-0	25154-52-3	46	
Nonylphenol ethoxylates (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>24</sub> O	-	-	46a	
Nonylphenol, ethoxylated	500-024-6	9016-45-9	46a	
4-Nonylphenol, ethoxylated	500-045-0	26027-38-3	46a	
Isononylphenol, ethoxylated	609-346-2	37205-87-1	46a	<a href="https://echa.europa.eu/documents/10162/7dcd73a4-e80d-47c5-ba0a-a5f4361bf4b1">https://echa.europa.eu/documents/10162/7dcd73a4-e80d-47c5-ba0a-a5f4361bf4b1</a>
4-Nonylphenol, branched, ethoxylated	500-315-8	127087-87-0	46a	
Nonylphenol, branched, ethoxylated	500-209-1	37205-87-1, 68412-54-4	46a	
Chromium VI compounds	-	-	47	<a href="https://echa.europa.eu/documents/10162/1f775bd4-b1b0-4847-937f-d6a37e2c0c98">https://echa.europa.eu/documents/10162/1f775bd4-b1b0-4847-937f-d6a37e2c0c98</a>
Toluene	203-625-9	108-88-3	48	<a href="https://echa.europa.eu/documents/10162/f28ce048-676d-4d17-b939-0c08e9a0db9f">https://echa.europa.eu/documents/10162/f28ce048-676d-4d17-b939-0c08e9a0db9f</a>
Trichlorobenzene	204-428-0	120-82-1	49	<a href="https://echa.europa.eu/documents/10162/fa5ae031-f3bb-41c5-87d2-dde74ccc4d56">https://echa.europa.eu/documents/10162/fa5ae031-f3bb-41c5-87d2-dde74ccc4d56</a>

Polycyclic-aromatic hydrocarbons (PAH)	-	-	50	
Benzo[a]pyrene (BaP)	-	50-32-8	50	
Dibenzo[a,h]anthracene (DBA <sub>h</sub> A)	-	53-70-3	50	
Benzo[a]anthracene (BaA)	-	56-55-3	50	
Chrysen (CHR)	-	218-01-9	50	<a href="https://echa.europa.eu/documents/10162/176064a8-0896-4124-87e1-75cdf2008d59">https://echa.europa.eu/documents/10162/176064a8-0896-4124-87e1-75cdf2008d59</a>
Benzo[j]fluoranthene (BjFA)	-	205-82-3	50	
Benzo[b]fluoranthene (BbFA)	-	205-99-2	50	
Benzo[k]fluoranthene (BkFA)	-	207-08-9	50	
Benzo[e]pyrene (BeP)	-	192-97-2	50	
The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 51]	-	-	51	<a href="https://echa.europa.eu/documents/10162/0e5f0f56-f1c1-4c13-86d2-6ede98a1f85f">https://echa.europa.eu/documents/10162/0e5f0f56-f1c1-4c13-86d2-6ede98a1f85f</a>
Dibutyl phthalate (DBP)	201-557-4	84-74-2	51	
Bis (2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	51	
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	51	
The following phthalates (or other CAS and EC numbers covering the substance) (See group members) [Entry 52]	-	-	52	<a href="https://echa.europa.eu/documents/10162/57096439-2ddd-4f14-b832-85181a09f595">https://echa.europa.eu/documents/10162/57096439-2ddd-4f14-b832-85181a09f595</a>
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	271-090-9	68515-48-0	52	
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	271-091-4	68515-49-1	52	<a href="https://echa.europa.eu/documents/10162/57096439-2ddd-4f14-b832-85181a09f595">https://echa.europa.eu/documents/10162/57096439-2ddd-4f14-b832-85181a09f595</a>
Di-"isononyl" phthalate (DINP)	249-079-5	28553-12-0	52	
Di-"isodecyl" phthalate (DIDP)	247-977-1	26761-40-0	52	
Di-n-octyl phthalate (DNOP)	204-214-7	117-84-0	52	
2-(2-methoxyethoxy)ethanol (DEGME)	203-906-6	111-77-3	54	<a href="https://echa.europa.eu/documents/10162/c0b7baea-d2d6-4fa5-86b8-c322ab573d8f">https://echa.europa.eu/documents/10162/c0b7baea-d2d6-4fa5-86b8-c322ab573d8f</a>
2-(2-butoxyethoxy)ethanol (DEGBE)	203-961-6	112-34-5	55	<a href="https://echa.europa.eu/documents/10162/9e666f9e-efe4-4fc5-ac35-66c557bcc0dc">https://echa.europa.eu/documents/10162/9e666f9e-efe4-4fc5-ac35-66c557bcc0dc</a>
Methylenediphenyl diisocyanate (MDI) including the following specific isomers (See group members):	-	-	56	
4,4'-Methylenediphenyl diisocyanate	202-966-0	101-68-8	56	<a href="https://echa.europa.eu/documents/10162/46cb2ae0-ee6b-4319-8604-b5b1d4a41d53">https://echa.europa.eu/documents/10162/46cb2ae0-ee6b-4319-8604-b5b1d4a41d53</a>
2,2'-Methylenediphenyl diisocyanate	219-799-4	2536-05-2	56	
Methylenediphenyl diisocyanate (MDI)	247-714-0	26447-40-5	56	
2,4'-Methylenediphenyl diisocyanate	227-534-9	5873-54-1	56	
Cyclohexane	203-806-2	110-82-7	57	<a href="https://echa.europa.eu/documents/10162/ca2ec609-0177-402a-911f-6ac524275d6e">https://echa.europa.eu/documents/10162/ca2ec609-0177-402a-911f-6ac524275d6e</a>
Ammonium nitrate (AN)	229-347-8	6484-52-2	58	<a href="https://echa.europa.eu/documents/10162/0dab7a72-084b-4460-a8ea-74b9f40b1e35">https://echa.europa.eu/documents/10162/0dab7a72-084b-4460-a8ea-74b9f40b1e35</a>
Dichloromethane	200-838-9	75-09-2	59	<a href="https://echa.europa.eu/documents/10162/0ea58491-bb76-4a47-b1d2-36faa1e0f290">https://echa.europa.eu/documents/10162/0ea58491-bb76-4a47-b1d2-36faa1e0f290</a>
Acrylamide	201-173-7	79-06-1	60	<a href="https://echa.europa.eu/documents/10162/701f6c15-98ec-4611-ac63-35fcca2e4047">https://echa.europa.eu/documents/10162/701f6c15-98ec-4611-ac63-35fcca2e4047</a>
Dimethylfumarate (DMF)	210-849-0	624-49-7	61	<a href="https://echa.europa.eu/documents/10162/f9d87b89-5870-483f-bd8a-a5cfe18095cd">https://echa.europa.eu/documents/10162/f9d87b89-5870-483f-bd8a-a5cfe18095cd</a>

Entry 62	-	-	62	
Phenylmercury octanoate	-	13864-38-5	62	
Phenylmercury acetate	200-532-5	62-38-4	62	<a href="https://echa.europa.eu/documents/10162/492c2db0-7db6-4d76-8347-fca1b22c0c7d">https://echa.europa.eu/documents/10162/492c2db0-7db6-4d76-8347-fca1b22c0c7d</a>
Phenylmercury neodecanoate	247-783-7	26545-49-3	62	
Phenylmercury 2-ethylhexanoate	236-326-7	13302-00-6	62	
Phenylmercury propionate	203-094-3	103-27-5	62	
Lead and its compounds	-	-	63	
Lead	231-100-4	7439-92-1	63	<a href="https://echa.europa.eu/documents/10162/3f17bafa-d554-4825-b9d5-abe853c2fda2">https://echa.europa.eu/documents/10162/3f17bafa-d554-4825-b9d5-abe853c2fda2</a>
Lead compounds	-	-	63	
1,4-Dichlorobenzene	203-400-5	106-46-7	64	<a href="https://echa.europa.eu/documents/10162/f4a325ee-70ff-4324-ab82-b9cf29c54018">https://echa.europa.eu/documents/10162/f4a325ee-70ff-4324-ab82-b9cf29c54018</a>
Inorganic ammonium salts	-	-	65	<a href="https://echa.europa.eu/documents/10162/cea529c-8aed-471a-9010-b465ac833b38">https://echa.europa.eu/documents/10162/cea529c-8aed-471a-9010-b465ac833b38</a>
4,4'-isopropylidenediphenol	201-245-8	80-05-7	66	<a href="https://echa.europa.eu/documents/10162/370b5de7-9507-f1b4-edc6-80ef2e5cd781">https://echa.europa.eu/documents/10162/370b5de7-9507-f1b4-edc6-80ef2e5cd781</a>
Bis(pentabromophenyl) ether	214-604-9	1163-19-5	67	<a href="https://echa.europa.eu/documents/10162/ac3aefaa-3cf1-1af4-3315-764f1ce4c7ba">https://echa.europa.eu/documents/10162/ac3aefaa-3cf1-1af4-3315-764f1ce4c7ba</a>
Pentadecafluorooctanoic acid	206-397-9	335-67-1	68	<a href="https://echa.europa.eu/documents/10162/7a04b630-e00a-a9c5-bc85-0de793f6643c">https://echa.europa.eu/documents/10162/7a04b630-e00a-a9c5-bc85-0de793f6643c</a>
Methanol	200-659-6	67-56-1	69	<a href="https://echa.europa.eu/documents/10162/a8e79557-a434-0f1c-3daa-1c268e2e8ea8">https://echa.europa.eu/documents/10162/a8e79557-a434-0f1c-3daa-1c268e2e8ea8</a>
Octamethylcyclotetrasiloxane (D4) Decamethylcyclopentasiloxane (D5)	209-136-7 208-764-9	556-67-2 541-02-6	70	<a href="https://echa.europa.eu/documents/10162/50e79685-efaf-ac9a-4acb-d8be3f0e9ddc">https://echa.europa.eu/documents/10162/50e79685-efaf-ac9a-4acb-d8be3f0e9ddc</a>
1-methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	71	<a href="https://echa.europa.eu/documents/10162/e7598958-eae7-1661-0636-02778b427efc">https://echa.europa.eu/documents/10162/e7598958-eae7-1661-0636-02778b427efc</a>
The substances listed in column 1 of the Table in Appendix 12	-	-	72	<a href="https://echa.europa.eu/documents/10162/8db10905-d535-0a04-0af5-7628a210dc28">https://echa.europa.eu/documents/10162/8db10905-d535-0a04-0af5-7628a210dc28</a>
(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol Any of its mono-, di- or tri-O-(alkyl) derivatives (TDFAs)	-	-	73	<a href="https://echa.europa.eu/documents/10162/57497ef0-ee60-a9e9-8bd1-9daba3b3c427">https://echa.europa.eu/documents/10162/57497ef0-ee60-a9e9-8bd1-9daba3b3c427</a>

Table 12, Annex XVII of REACH regulation, last update Jul 28<sup>th</sup> 2020

## History

REV	Date	Done by	Subject
0	2009-10-10	F. Beck	SVHC list
1	2010-05-14	F. Beck	update
2	2010-04-15	F. Beck	Criteria added
3	2010-06-01	F. Beck	Dates adapted; list updated with ECHA candidate list
4	2010-08-06	F. Beck	Update HVHC list
5	2010-11-15	F. Beck	PFOS statement added
6	2010-12-06	F. Beck	List update
7	2011-03-02	F. Beck	List update
8	2011-07-11	Lin Wang	List update
9	2012-01-18	Max Wang	List update
10	2012-07-13	Max Wang	List update
11	2013-01-20	Max Wang	List update
12	2013-05-25	Max Wang	List update
13	2013-12-16	Max Wang	List update
14	2014-04-16	Max Wang	List update
15	2014-12-17	Max Wang	List update
16	2015-06-15	Max Wang	List update
17	2016-01-04	Lucas Cao	List update
18	2016-03-22	Lucas Cao	List update
19	2016-06-22	Lucas Cao	List update
20	2017-02-14	Lucas Cao	List update
21	2017-07-31	Lucas Cao	List update
22	2017-11-21	Lucas Cao	Delete the PFOA&PFOS as it had been covered by REACH annex XVII; And add the whole list of annex XVII into the statement, update the file name
23	2018-01-26	Lucas Cao	add new SVHC substance into table 12
24	2018-07-07	Martin Li	List update
25	2019-02-28	Martin Li	List update
26	2010-07-31	Martin Li	List update
27	2020-03-20	Martin Li	List update
28	2020-04-17	Martin Li	Modify declaration, add REACH annex XIV content
29	2020-07-28	Martin Li	List update