

Appendix A

**REACH SVHC List in Excel Table, Total Number: 197 Substances
(Updated on 16 Jan 2019)**

 ECHA Source: <http://echa.europa.eu/candidate-list-table>

Index	Chemical Name	EC Number	CAS Number	Inclusion Date (Y-M-D)
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	239-139-9	15087-24-8	15/01/2019
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	15/01/2019
195	Benzo[k]fluoranthene	205-916-6	207-08-9	15/01/2019
194	Fluoranthene	205-912-4	206-44-0; 93951-69-0	15/01/2019
193	Phenanthrene	201-581-5	85-01-8	15/01/2019
192	Pyrene	204-927-3	129-00-0; 1718-52-1	15/01/2019
191	Benzo[ghi]perylene	205-883-8	191-24-2	27/06/2018
190	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	27/06/2018
189	Disodium octaborate	234-541-0	12008-41-2	27/06/2018
188	Dodecamethylcyclohexasiloxane(D6)	208-762-8	540-97-6	27/06/2018
187	Ethylenediamine	203-468-6	107-15-3	27/06/2018
186	Lead	231-100-4	7439-92-1	27/06/2018
185	Octamethylcyclotetrasiloxane(D4)	209-136-7	556-67-2	27/06/2018
184	Terphenyl, hydrogenated	262-967-7	61788-32-7	27/06/2018
183	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	27/06/2018
182	benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)(TMA)	209-008-0	552-30-7	27/06/2018
181	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	15/01/2018
180	Cadmium carbonate	208-168-9	513-78-0	15/01/2018
179	Cadmium hydroxide	244-168-5	21041-95-2	15/01/2018
178	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	15/01/2018
177	Chrysene	205-923-4	218-01-9, 1719-03-5	15/01/2018
176	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-	-	15/01/2018
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	15/01/2018
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	07/07/2017
173	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	80-05-7	12/01/2017

172	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2	12/01/2017
171	4-heptylphenol, branched and linear (4-HPbl)	-	-	12/01/2017
170	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	80-46-6	12/01/2017
169	Benzo[def]chrysene	200-028-5	50-32-8	20/06/2016
168	Nitrobenzene	202-716-0	98-95-3	17/12/2015
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	17/12/2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	17/12/2015
165	1,3-propanesultone	214-317-9	1120-71-4	17/12/2015
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4	17/12/2015
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	271-094-0, 272-013-1	68515-51-5, 68648-93-1	15/06/2015
162	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]			15/06/2015
161	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	2014/12/17; 2008/10/28
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	17/12/2014
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	17/12/2014
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	17/12/2014
157	Cadmium fluoride	232-222-0	7790-79-6	17/12/2014
156	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	17/12/2014
155	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)			17/12/2014
154	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	16/06/2014
153	Cadmium chloride	233-296-7	10108-64-2	16/06/2014

152	Sodium perborate,perboric acid, sodium salt	239-172-9, 234-390-0		16/06/2014
151	Sodium peroxometaborate	231-556-4	7632-4-4,	16/06/2014
150	Cadmium sulphide	215-147-8	1306-23-6	16/12/2013
149	Dihexyl phthalate	201-559-5	84-75-3	16/12/2013
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	16/12/2013
147	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)	217-710-3	1937-37-7	16/12/2013
146	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	16/12/2013
145	Lead di(acetate)	206-104-4	301-04-2	16/12/2013
144	Trixylyl phosphate	246-677-8	25155-23-1	16/12/2013
143	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]			20/06/2013
142	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	20/06/2013
141	Cadmium	231-152-8	7440-43-9	20/06/2013
140	Cadmium oxide	215-146-2	1306-19-0	20/06/2013
139	Dipentyl phthalate (DPP)	205-017-9	131-18-0	20/06/2013
138	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	20/06/2013
137	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	19/12/2012
136	1,2-Diethoxyethane	211-076-1	629-14-1	19/12/2012
135	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	19/12/2012
134	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	19/12/2012
133	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	19/12/2012
132	4,4'-oxydianiline and its salts	202-977-0	101-80-4	19/12/2012
131	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]			19/12/2012
130	4-Aminoazobenzene	200-453-6	60-09-3	19/12/2012
129	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	19/12/2012

128	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]			19/12/2012
127	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	19/12/2012
126	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	19/12/2012
125	Acetic acid, lead salt, basic	257-175-3	51404-69-4	19/12/2012
124	Biphenyl-4-ylamine	202-177-1	92-67-1	19/12/2012
123	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	19/12/2012
122	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	19/12/2012
121	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	19/12/2012
120	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	19/12/2012
119	Diethyl sulphate	200-589-6	64-67-5	19/12/2012
118	Diisopentylphthalate	210-088-4	605-50-5	19/12/2012
117	Dimethyl sulphate	201-058-1	77-78-1	19/12/2012
116	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	19/12/2012
115	Dioxobis(stearato)trilead	235-702-8	12578-12-0	19/12/2012
114	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	19/12/2012
113	Furan	203-727-3	110-00-9	19/12/2012
112	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8	19/12/2012
111	Heptacosaflluorotetradecanoic acid	206-803-4	376-06-7	19/12/2012
110	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]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	19/12/2012
109	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	19/12/2012
108	Lead cyanamidate	244-073-9	20837-86-9	19/12/2012
107	Lead dinitrate	233-245-9	10099-74-8	19/12/2012
106	Lead monoxide (lead oxide)	215-267-0	1317-36-8	19/12/2012
105	Lead oxide sulfate	234-853-7	12036-76-9	19/12/2012

104	Lead titanium trioxide	235-038-9	12060-00-3	19/12/2012
103	Lead titanium zirconium oxide	235-727-4	12626-81-2	19/12/2012
102	Methoxyacetic acid	210-894-6	625-45-6	19/12/2012
101	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	19/12/2012
100	N,N-dimethylformamide	200-679-5	68-12-2	19/12/2012
99	N-methylacetamide	201-182-6	79-16-3	19/12/2012
98	N-pentyl-isopentylphthalate		776297-69-9	19/12/2012
97	o-aminoazotoluene	202-591-2	97-56-3	19/12/2012
96	o-Toluidine	202-429-0	95-53-4	19/12/2012
95	Orange lead (lead tetroxide)	215-235-6	1314-41-6	19/12/2012
94	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	19/12/2012
93	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	19/12/2012
92	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	19/12/2012
91	Silicic acid (H ₂ SiO ₅), 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]	272-271-5	68784-75-8	19/12/2012
90	Silicic acid, lead salt	234-363-3	11120-22-2	19/12/2012
89	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	19/12/2012
88	Tetraethyllead	201-075-4	78-00-2	19/12/2012
87	Tetralead trioxide sulphate	235-380-9	12202-17-4	19/12/2012
86	Tricosafuorododecanoic acid	206-203-2	307-55-1	19/12/2012
85	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	19/12/2012
84	Trilead dioxide phosphonate	235-252-2	12141-20-7	19/12/2012
83	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	18/06/2012
82	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	18/06/2012
81	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	18/06/2012
80	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6	18/06/2012
79	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	561-41-1	18/06/2012
78	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	18/06/2012

77	[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 (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	18/06/2012
76	[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 (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5	18/06/2012
75	Diboron trioxide	215-125-8	1303-86-2	18/06/2012
74	Formamide	200-842-0	75-12-7	18/06/2012
73	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	18/06/2012
72	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	18/06/2012
71	α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [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	18/06/2012
70	1,2-Dichloroethane	203-458-1	107-06-2	19/12/2011
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	19/12/2011
68	2-Methoxyaniline,o-Anisidine	201-963-1	90-04-0	19/12/2011
67	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	19/12/2011
66	Aluminosilicate Refractory Ceramic Fibres 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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight			19/12/2011
65	Arsenic acid	231-901-9	7778-39-4	19/12/2011
64	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	19/12/2011
63	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	19/12/2011
62	Calcium arsenate	231-904-5	7778-44-1	19/12/2011

61	Dichromium tris(chromate)	246-356-2	24613-89-6	19/12/2011
60	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	19/12/2011
59	Lead diazide, Lead azide	236-542-1	13424-46-9	19/12/2011
58	Lead dipicrate	229-335-2	6477-64-1	19/12/2011
57	Lead styphnate	239-290-0	15245-44-0	19/12/2011
56	N,N-dimethylacetamide	204-826-4	127-19-5	19/12/2011
55	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	19/12/2011
54	Phenolphthalein	201-004-7	77-09-8	19/12/2011
53	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	19/12/2011
52	Trilead diarsenate	222-979-5	3687-31-8	19/12/2011
51	Zirconia Aluminosilicate Refractory Ceramic Fibres 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 ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight			19/12/2011
50	Cobalt dichloride	231-589-4	7646-79-9	2011/06/20 - 2008/10/28
49	1,2,3-trichloropropane	202-486-1	96-18-4	20/06/2011
48	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	20/06/2011
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	20/06/2011
46	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	20/06/2011
45	2-Ethoxyethyl acetate	203-839-2	111-15-9	20/06/2011
44	Hydrazine	206-114-9	302-01-2, 7803-57-8	20/06/2011
43	Strontium chromate	232-142-6	7789-6-2,	20/06/2011
42	2-Ethoxyethanol	203-804-1	110-80-5	15/12/2010
41	2-Methoxyethanol	203-713-7	109-86-4	15/12/2010
40	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid,	231-801-5, 236-881-5	7738-94-5, 13530-68-2	15/12/2010

	Oligomers of chromic acid and dichromic acid.			
39	Chromium trioxide	215-607-8	1333-82-0	15/12/2010
38	Cobalt(II) carbonate	208-169-4	513-79-1	15/12/2010
37	Cobalt(II) diacetate	200-755-8	71-48-7	15/12/2010
36	Cobalt(II) dinitrate	233-402-1	10141-05-6	15/12/2010
35	Cobalt(II) sulphate	233-334-2	10124-43-3	15/12/2010
34	Ammonium dichromate	232-143-1	7789-9-5,	18/06/2010
33	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	18/06/2010
32	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	18/06/2010
31	Potassium chromate	232-140-5	7789-00-6	18/06/2010
30	Potassium dichromate	231-906-6	7778-50-9	18/06/2010
29	Sodium chromate	231-889-5	7775-11-3,	18/06/2010
28	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	18/06/2010
27	Trichloroethylene	201-167-4	79-01-6	18/06/2010
26	Acrylamide	201-173-7	79-06-1	30/03/2010
25	2,4-Dinitrotoluene (2,4-DNT)	204-450-0	121-14-2	13/01/2010
24	Anthracene oil	292-602-7	90640-80-5	13/01/2010
23	Anthracene oil, anthracene paste	292-603-2	90640-81-6	13/01/2010
22	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	13/01/2010
21	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	13/01/2010
20	Anthracene oil, anthracene-low	292-604-8	90640-82-7	13/01/2010
19	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	13/01/2010
18	Lead chromate	231-846-0	7758-97-6	13/01/2010
17	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	13/01/2010
16	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	13/01/2010
15	Pitch, coal tar, high temp.	266-028-2	65996-93-2	13/01/2010
14	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	13/01/2010
13	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	28/10/2008
12	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	28/10/2008
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	28/10/2008
10	Anthracene	204-371-1	120-12-7	28/10/2008
9	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	28/10/2008
8	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	28/10/2008
7	Diarsenic pentaoxide	215-116-9	1303-28-2	28/10/2008
6	Diarsenic trioxide	215-481-4	1327-53-3	28/10/2008
5	Dibutyl phthalate (DBP)	201-557-4	84-74-2	28/10/2008

4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4, 221-695-9	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	28/10/2008
3	Lead hydrogen arsenate	232-064-2	7784-40-9	28/10/2008
2	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	28/10/2008
1	Triethyl arsenate	427-700-2	15606-95-8	28/10/2008