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# REACH CERTIFICATE

## Declaration of Conformity to EU REACH

**All products that are manufactured and/or supplied by VPT Components (Lawrence, MA, USA) are in compliance with the European REACH Regulation, (EC/1907/2006), regarding Registration, Evaluation, Authorization and Restriction of Chemicals.**

**Specifically, products manufactured do not contain the substances, in a concentration greater than 0.1% by weight, as listed in the following sections of this directive:**

**VPT Components (Lawrence, MA, USA) products do not contain any of the Substances of Very High Concern (SVHC), in a concentration greater than 0.1% by weight, as defined in Article 57 and Annex XIV with amendment dated:**

**January 17, 2022 (Total of 223 substances).**

**VPT Components (Lawrence, MA, USA) products do not contain any of the substances, in a concentration greater than 0.1% by weight, as described in Article 67 and Annex XVII (with amendments).**

Index	Chemical Name	EC Number	CAS Number	Inclusion Date	If on Authorization List, Sunset Date
223	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	204-327-1	119-47-1	1/17/2022	
222	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	1/17/2022	
221	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	1/17/2022	
220	S-(tricyclo(5.2.1.0 <sub>2,6</sub> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8	1/17/2022	
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	8/7/2021	
218	Orthoboric acid, sodium salt (group)	237-560-2	13840-56-7	8/7/2021	
217	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	-	-	8/7/2021	
216	glutaral	203-856-5	111-30-8	8/7/2021	
215	4,4'-(1-methylpropylidene)bisphenol; bisphenol B	201-025-1	77-40-7	8/7/2021	
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	8/7/2021	
213	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	221-967-7 253-057-0 202-480-9	3296-90-0 36483-57-5 1522-92-5 96-13-9	8/7/2021	
212	1,4-dioxane	204-661-8	123-91-1	8/7/2021	
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	1/19/2021	
210	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	1/19/2021	
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	6/25/2020	
208	butyl 4-hydroxybenzoate	202-318-7	94-26-8	6/25/2020	
207	2-methylimidazole	211-765-7	693-98-1	6/25/2020	
206	1-vinylimidazole	214-012-0	1072-63-5	6/25/2020	
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	1/16/2020	
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	1/16/2020	
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	1/16/2020	
202	Diisohexyl phthalate	276-090-2	71850-09-4	1/16/2020	
201	2-methoxyethyl acetate	203-772-9	110-49-6	7/16/2019	
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	7/16/2019	
199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	7/16/2019	
198	4-tert-butylphenol	202-679-0	98-54-4	7/16/2019	
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	1/15/2019	
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	1/15/2019	
195	Benzo[k]fluoranthene	205-916-6	207-08-9	1/15/2019	
194	Fluoranthene	205-912-4	206-44-0; 93951-69-0	1/15/2019	
193	Phenanthrene	201-581-5	85-01-8	1/15/2019	
192	Pyrene	204-927-3	129-00-0; 1718-52-1	1/15/2019	
191	Benzo[ghi]perylene	205-883-8	191-24-2	6/27/2018	
190	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	6/27/2018	
189	Disodium octaborate	234-541-0	12008-41-2	6/27/2018	

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188	Dodecamethylcyclhexasiloxane(D6)	208-762-8	540-97-6	6/27/2018	
187	Ethylenediamine	203-468-6	107-15-3	6/27/2018	
186	Lead	231-100-4	7439-92-1	6/27/2018	
185	Octamethylcyclotetrasiloxane(D4)	209-136-7	556-67-2	6/27/2018	
184	Terphenyl, hydrogenated	262-967-7	61788-32-7	6/27/2018	
183	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	6/27/2018	
182	benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	209-008-0	552-30-7	6/27/2018	
181	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2	1/15/2018	
180	Cadmium carbonate	208-168-9	513-78-0	1/15/2018	
179	Cadmium hydroxide	244-168-5	21041-95-2	1/15/2018	
178	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7	1/15/2018	
177	Chrysene	205-923-4	218-01-9, 1719-03-5	1/15/2018	
176	Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	-	-	1/15/2018	
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-	1/15/2018	
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	7/7/2017	
173	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	80-05-7	1/12/2017	
172	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3	335-76-2	1/12/2017	
171	4-heptylphenol, branched and linear (4-HPbl)	-	-	1/12/2017	
170	p-(1,1-dimethylpropyl)phenol (PTAP)	201-280-9	80-46-6	1/12/2017	
169	Benzo[def]chrysene	200-028-5	50-32-8	6/20/2016	
168	Nitrobenzene	202-716-0	98-95-3	12/17/2015	
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	12/17/2015	Yes, 11/27/2023
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	12/17/2015	Yes, 11/27/2023
165	1,3-propanesultone	214-317-9	1120-71-4	12/17/2015	
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1, 21049-39-8, 4149-60-4	12/17/2015	
163	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)	271-094-0, 272-013-1	68515-51-5, 68648-93-1	6/15/2015	
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]			6/15/2015	
161	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	2014/12/17; 2008/10/28	Yes, 2/21/2015
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	12/17/2014	Yes, 11/27/2023
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	12/17/2014	Yes, 11/27/2023
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	12/17/2014	
157	Cadmium fluoride	232-222-0	7790-79-6	12/17/2014	
156	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	12/17/2014	
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)			12/17/2014	
154	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	271-093-5	68515-50-4	6/16/2014	Yes, 2/27/2023
153	Cadmium chloride	233-296-7	10108-64-2	6/16/2014	
152	Sodium perborate,perboric acid, sodium salt	239-172-9, 234-390-0		6/16/2014	

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151	Sodium peroxometaborate	231-556-4	7632-04-4,	6/16/2014	Yes, 5/27/2023
150	Cadmium sulphide	215-147-8	1306-23-6	12/16/2013	
149	Dihexyl phthalate	201-559-5	84-75-3	12/16/2013	Yes, 2/27/2023
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	12/16/2013	
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	12/16/2013	
146	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013	
145	Lead di(acetate)	206-104-4	301-04-2	12/16/2013	
144	Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013	Yes, 5/27/2023
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]			6/20/2013	Yes, 1/4/2021
142	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013	
141	Cadmium	231-152-8	7440-43-9	6/20/2013	
140	Cadmium oxide	215-146-2	1306-19-0	6/20/2013	
139	Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013	Yes, 7/4/2020
138	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013	
137	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012	Yes, 7/4/2020
136	1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012	
135	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012	Yes, 7/4/2020
134	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012	
133	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	12/19/2012	
132	4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012	
131	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]			12/19/2012	
130	4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012	
129	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012	
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]			12/19/2012	
127	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012	
126	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	12/19/2012	
125	Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012	
124	Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012	
123	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	214-604-9	1163-19-5	12/19/2012	
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	12/19/2012	
121	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	204-650-8	123-77-3	12/19/2012	
120	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012	
119	Diethyl sulphate	200-589-6	64-67-5	12/19/2012	
118	Diisopentylphthalate	210-088-4	605-50-5	12/19/2012	Yes, 7/4/2020
117	Dimethyl sulphate	201-058-1	77-78-1	12/19/2012	
116	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012	
115	Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012	
114	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012	
113	Furan	203-727-3	110-00-9	12/19/2012	

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112	Henicosaflluoroundecanoic acid	218-165-4	2058-94-8	12/19/2012	
111	Heptacosaflluorotetradecanoic acid	206-803-4	376-06-7	12/19/2012	
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	12/19/2012	
109	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012	
108	Lead cyanamidate	244-073-9	20837-86-9	12/19/2012	
107	Lead dinitrate	233-245-9	10099-74-8	12/19/2012	
106	Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012	
105	Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012	
104	Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012	
103	Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012	
102	Methoxyacetic acid	210-894-6	625-45-6	12/19/2012	
101	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012	
100	N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012	
99	N-methylacetamide	201-182-6	79-16-3	12/19/2012	
98	N-pentyl-isopentylphthalate		776297-69-9	12/19/2012	Yes, 7/4/2020
97	o-aminoazotoluene	202-591-2	97-56-3	12/19/2012	
96	o-Toluidine	202-429-0	95-53-4	12/19/2012	
95	Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012	
94	Pentacosaflluorotridecanoic acid	276-745-2	72629-94-8	12/19/2012	
93	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012	
92	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012	
91	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]	272-271-5	68784-75-8	12/19/2012	
90	Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012	
89	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012	
88	Tetraethyllead	201-075-4	78-00-2	12/19/2012	
87	Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012	
86	Tricosaflluorododecanoic acid	206-203-2	307-55-1	12/19/2012	
85	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	12/19/2012	
84	Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012	
83	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	203-977-3	112-49-2	6/18/2012	
82	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	6/18/2012	
81	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	6/18/2012	
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	6/18/2012	
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	6/18/2012	
78	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	6/18/2012	
77	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	6/18/2012	

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76	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5	6/18/2012	
75	Diboron trioxide	215-125-8	1303-86-2	6/18/2012	
74	Formamide	200-842-0	75-12-7	6/18/2012	
73	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	6/18/2012	
72	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	6/18/2012	
71	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	229-851-8	6786-83-0	6/18/2012	
70	1,2-Dichloroethane	203-458-1	107-06-2	12/19/2011	Yes, 11/22/2017
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	12/19/2011	Yes, 11/22/2017
68	2-Methoxyaniline,o-Anisidine	201-963-1	90-04-0	12/19/2011	
67	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011	Yes, 1/4/2021
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 (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight			12/19/2011	
65	Arsenic acid	231-901-9	7778-39-4	12/19/2011	Yes, 8/22/2017
64	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011	Yes, 8/22/2017
63	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011	Yes, 7/4/2020
62	Calcium arsenate	231-904-5	7778-44-1	12/19/2011	
61	Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011	Yes, 1/22/2019
60	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011	Yes, 8/22/2017
59	Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011	
58	Lead dipicrate	229-335-2	6477-64-1	12/19/2011	
57	Lead styphnate	239-290-0	15245-44-0	12/19/2011	
56	N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011	
55	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	12/19/2011	Yes, 1/22/2019
54	Phenolphthalein	201-004-7	77-09-8	12/19/2011	
53	Potassium hydroxyoctaoxidizedichromate	234-329-8	11103-86-9	12/19/2011	Yes, 1/22/2019
52	Trilead diarsenate	222-979-5	3687-31-8	12/19/2011	
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 <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight			12/19/2011	
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	6/20/2011	
48	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	6/20/2011	Yes, 7/4/2020
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	6/20/2011	Yes, 7/4/2020

Index	Chemical Name	EC Number	CAS Number	Inclusion Date	If on Authorization List, Sunset Date
46	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	6/20/2011	
45	2-Ethoxyethyl acetate	203-839-2	111-15-9	6/20/2011	
44	Hydrazine	206-114-9	302-01-2, 7803-57-8	6/20/2011	
43	Strontium chromate	232-142-6	7789-06-2,	6/20/2011	Yes, 1/22/2019
42	2-Ethoxyethanol	203-804-1	110-80-5	12/15/2010	
41	2-Methoxyethanol	203-713-7	109-86-4	12/15/2010	
40	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	231-801-5, 236-881-5	7738-94-5, 13530-68-2	12/15/2010	Yes, 9/21/2017
39	Chromium trioxide	215-607-8	1333-82-0	12/15/2010	Yes, 9/21/2017
38	Cobalt(II) carbonate	208-169-4	513-79-1	12/15/2010	
37	Cobalt(II) diacetate	200-755-8	71-48-7	12/15/2010	
36	Cobalt(II) dinitrate	233-402-1	10141-05-6	12/15/2010	
35	Cobalt(II) sulphate	233-334-2	10124-43-3	12/15/2010	
34	Ammonium dichromate	232-143-1	7789-09-5,	6/18/2010	Yes, 9/21/2017
33	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	6/18/2010	
32	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	6/18/2010	
31	Potassium chromate	232-140-5	7789-00-6	6/18/2010	Yes, 9/21/2017
30	Potassium dichromate	231-906-6	7778-50-9	6/18/2010	Yes, 9/21/2017
29	Sodium chromate	231-889-5	7775-11-3,	6/18/2010	Yes, 9/21/2017
28	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	6/18/2010	
27	Trichloroethylene	201-167-4	79-01-6	6/18/2010	Yes, 4/21/2016
26	Acrylamide	201-173-7	79-06-1	3/30/2010	
25	2,4-Dinitrotoluene (2,4-DNT)	204-450-0	121-14-2	1/13/2010	Yes, 8/21/2015
24	Anthracene oil	292-602-7	90640-80-5	1/13/2010	Yes, 10/4/2020
23	Anthracene oil, anthracene paste	292-603-2	90640-81-6	1/13/2010	
22	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1/13/2010	
21	Anthracene oil, anthracene paste, distr. lights	295-278-5	91995-17-4	1/13/2010	
20	Anthracene oil, anthracene-low	292-604-8	90640-82-7	1/13/2010	
19	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	1/13/2010	Yes, 2/21/2015
18	Lead chromate	231-846-0	7758-97-6	1/13/2010	Yes, 5/21/2015
17	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1/13/2010	Yes, 5/21/2015
16	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1/13/2010	Yes, 5/21/2015
15	Pitch, coal tar, high temp.	266-028-2	65996-93-2	1/13/2010	Yes, 10/4/2020
14	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1/13/2010	Yes, 8/21/2015
13	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	10/28/2008	Yes, 8/21/2014
12	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	10/28/2008	Yes, 8/21/2014
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	10/28/2008	
10	Anthracene	204-371-1	120-12-7	10/28/2008	
9	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	10/28/2008	Yes, 2/21/2015
8	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	10/28/2008	
7	Diarsenic pentaoxide	215-116-9	1303-28-2	10/28/2008	Yes, 5/21/2015
6	Diarsenic trioxide	215-481-4	1327-53-3	10/28/2008	Yes, 5/21/2015
5	Dibutyl phthalate (DBP)	201-557-4	84-74-2	10/28/2008	Yes, 2/21/2015
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	10/28/2008	Yes, 8/21/2015

**REACH SVHC List in Excel Table, Total Number: 223 Substances (Updated on 17 JAN 2022)**ECHA Source: <http://echa.europa.eu/candidate-list-table>More Info: <http://www.chemsafetypro.com>

Index	Chemical Name	EC Number	CAS Number	Inclusion Date	If on Authorization List, Sunset Date
3	Lead hydrogen arsenate	232-064-2	7784-40-9	10/28/2008	
2	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	10/28/2008	Yes, 9/21/2017
1	Triethyl arsenate	427-700-2	15606-95-8	10/28/2008	