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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 to Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

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:

May 1, 2019 (Total of 197 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).

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#	Substance Name	CAS #	SVHC Published Date
1	Anthracene	120-12-7	2008-10-28
2	4,4'- Diaminodiphenylmethane	101-77-9	2008-10-28
3	Dibutyl phthalate	84-74-2	2008-10-28
4	Cobalt dichloride	7646-79-9	2008-10-28
5	Diarsenic pentaoxide	1303-28-2	2008-10-28
6	Diarsenic trioxide	1327-53-3	2008-10-28
7	Sodium dichromate	10588-01-9 7789-12-0	2008-10-28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008-10-28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	2008-10-28
10	Hexabromocyclododecane (HBCDD)	3194-55-6 25637-99-4 134437-50-6 134237-51-7 134237-52-8	2008-10-28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008-10-28
12	Bis(tributyltin) oxide (TBTO)	56-35-9	2008-10-28
13	Lead hydrogen arsenate	7784-40-9	2008-10-28
14	Triethyl arsenate	15606-95-8	2008-10-28
15	Benzyl butyl phthalate (BBP)	85-68-7	2008-10-28
16	2,4-Dinitrotoluene	121-14-2	2010-1-13
17	Anthracene oil	90640-80-5	2010-1-13
18	Anthracene oil, anthracene paste	90640-81-6	2010-1-13
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010-1-13
20	Anthracene oil, anthracene paste, distn. lights	91995-17-4	2010-1-13
21	Anthracene oil, anthracene-low	90640-82-7	2010-1-13
22	Diisobutyl phthalate	84-69-5	2010-1-13
23	Lead chromate	7758-97-6	2010-1-13
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010-1-13
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010-1-13

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#	Substance Name	CAS #	SVHC Published Date
26	Pitch, coal tar, high temp.	65996-93-2	2010-1-13
27	Tris(2-chloroethyl)phosphate	115-96-8	2010-1-13
28	Acrylamide	79-06-1	2010-3-30
29	Trichloroethylene	79-01-6	2010-6-18
30	Boric acid	10043-35-3 11113-50-1	2010-6-18
31	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	2010-6-18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010-6-18
33	Sodium chromate	7775-11-3	2010-6-18
34	Potassium chromate	7789-00-6	2010-6-18
35	Ammonium dichromate	7789-09-5	2010-6-18
36	Potassium dichromate	7778-50-9	2010-6-18
37	2-Ethoxyethanol	110-80-5	2010-12-15
38	2-Methoxyethanol	109-86-4	2010-12-15
39	Chromic acid	7738-94-5 13530-68-2	2010-12-15
40	Chromium trioxide	1333-82-0	2010-12-15
41	Cobalt(II) carbonate	513-79-1	2010-12-15
42	Cobalt(II) diacetate	71-48-7	2010-12-15
43	Cobalt(II) dinitrate	10141-05-6	2010-12-15
44	Cobalt(II) sulphate	10124-43-3	2010-12-15
45	1,2,3-Trichloropropane	96-18-4	2011-6-20
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011-6-20
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011-6-20
48	1-Methyl-2-pyrrolidone (NMP)	872-50-4	2011-6-20
49	2-Ethoxyethyl acetate	111-15-9	2011-6-20
50	Hydrazine	302-01-2 / 7803-57-8	2011-6-20

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#	Substance Name	CAS #	SVHC Published Date
51	Strontium chromate	7789-06-2	2011-6-20
52	Dichromium tris(chromate)	24613-89-6	2011-12-19
53	Potassium hydroxyoctaoxodizincatedi chromate	11103-86-9	2011-12-19
54	Pentazinc chromate octahydroxide	49663-84-5	2011-12-19
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	2011-12-19
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	2011-12-19
57	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	2011-12-19
58	Bis(2-methoxyethyl) phthalate	117-82-8	2011-12-19
59	2-Methoxyaniline; o-Anisidine	90-04-0	2011-12-19
60	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	2011-12-19
61	1,2-Dichloroethane	107-06-2	2011-12-19
62	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
63	Arsenic acid	7778-39-4	2011-12-19
64	Calcium arsenate	7778-44-1	2011-12-19
65	Trilead diarsenate	3687-31-8	2011-12-19
66	N,N-dimethylacetamide (DMAC)	127-19-5	2011-12-19
67	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	2011-12-19
68	Phenolphthalein	77-09-8	2011-12-19
69	Lead azide Lead diazide	13424-46-9	2011-12-19
70	Lead styphnate	15245-44-0	2011-12-19
71	Lead dipicrate	6477-64-1	2011-12-19
72	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)]	6786-83-0	2012-6-18
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012-6-18
74	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	2012-6-18
75	Diboron trioxide	1303-86-2	2012-6-18
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012-6-18

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#	Substance Name	CAS #	SVHC Published Date
77	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)]	561-41-1	2012-6-18
78	Lead(II) bis(methanesulfonate)	17570-76-2	2012-6-18
79	Formamide	75-12-7	2012-6-18
80	[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)]	548-62-9	2012-6-18
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012-6-18
82	[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)]	2580-56-5	2012-6-18
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	2012-6-18
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012-6-18
85	Pyrochlore, antimony lead yellow	8012-00-8	2012-12-19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012-12-19
87	Henicosfluoroundecanoic acid	2058-94-8	2012-12-19
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012-12-19
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3]	85-42-7, 13149-00-3, 14166-21-3	2012-12-19
90	Dibutyltin dichloride (DBTC)	683-18-1	2012-12-19
91	Lead bis(tetrafluoroborate)	13814-96-5	2012-12-19
92	Lead dinitrate	10099-74-8	2012-12-19
93	Silicic acid, lead salt	11120-22-2	2012-12-19
94	4-Aminoazobenzene	60-09-3	2012-12-19
95	Lead titanium zirconium oxide	12626-81-2	2012-12-19
96	Lead monoxide (lead oxide)	1317-36-8	2012-12-19
97	o-Toluidine	95-53-4	2012-12-19
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012-12-19

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99	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	2012-12-19
100	Trilead bis(carbonate)dihydroxide	1319-46-6	2012-12-19
101	Furan	110-00-9	2012-12-19
102	N,N-dimethylformamide	68-12-2	2012-12-19
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	2012-12-19
104	4-Nonylphenol, branched and linear	-	2012-12-19
105	4,4'-methylenedi-o-toluidine	838-88-0	2012-12-19
106	Diethyl sulphate	64-67-5	2012-12-19
107	Dimethyl sulphate	77-78-1	2012-12-19
108	Lead oxide sulfate	12036-76-9	2012-12-19
109	Lead titanium trioxide	12060-00-3	2012-12-19
110	Acetic acid, lead salt, basic	51404-69-4	2012-12-19
111	[Phthalato(2-)]dioxotrilead	69011-06-9	2012-12-19
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012-12-19
113	N-methylacetamide	79-16-3	2012-12-19
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012-12-19
115	1,2-Diethoxyethane	629-14-1	2012-12-19
116	Tetralead trioxide sulphate	12202-17-4	2012-12-19
117	N-pentyl-isopentylphthalate	776297-69-9	2012-12-19
118	Dioxobis(stearato)trilead	12578-12-0	2012-12-19
119	Tetraethyllead	78-00-2	2012-12-19
120	Pentalead tetraoxide sulphate	12065-90-6	2012-12-19
121	Pentacosaflluorotridecanoic acid	72629-94-8	2012-12-19
122	Tricosaflluorododecanoic acid	307-55-1	2012-12-19
123	Heptacosaflluorotetradecanoic acid	376-06-7	2012-12-19
124	1-bromopropane (n-propyl bromide)	106-94-5	2012-12-19
125	Methoxyacetic acid	625-45-6	2012-12-19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012-12-19

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#	Substance Name	CAS #	SVHC Published Date
127	Methyloxirane (Propylene oxide)	75-56-9	2012-12-19
128	Trilead dioxide phosphonate	12141-20-7	2012-12-19
129	o-aminoazotoluene	97-56-3	2012-12-19
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012-12-19
131	4,4'-oxydianiline and its salts	101-80-4	2012-12-19
132	Orange lead (lead tetroxide)	1314-41-6	2012-12-19
133	Biphenyl-4-ylamine	92-67-1	2012-12-19
134	Diisopentylphthalate	605-50-5	2012-12-19
135	Fatty acids, C16-18, lead salts	91031-62-8	2012-12-19
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012-12-19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2012-12-19
138	Lead cyanamidate	20837-86-9	2012-12-19
139	Cadmium oxide	1306-19-0	2013-06-20
140	Dipentyl phthalate (DPP)	131-18-0	2013-06-20
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013-06-20
142	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013-06-20
143	4-Nonylphenol, branched and linear, ethoxylated	-	2013-06-20
144	Cadmium	7440-43-9	2013-06-20
145	Disolium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminophthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013-12-16
146	Dihexyl phthalate	84-75-3	2013-12-16
147	Lead di(acetate)	301-04-2	2013-12-16
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	2013-12-16
149	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	2013-12-16
150	Trixylyl phosphate	25155-23-1	2013-12-16
151	Cadmium sulphide	1306-23-6	2013-12-16
152	Cadmium chloride	10108-64-2	2014-06-16
153	Sodium peroxometaborate	7632-04-4	2014-06-16

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154	Sodium perborate; perboric acid, sodium salt	11138-47-9	2014-06-16
155	1,2 Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014-06-16
156	Cadmium sulphate	10124-36-4 31119-53-6	2014-12-17
157	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)	-	2014-12-17
158	Cadmium fluoride	7790-79-6	2014-12-17
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxo-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014-12-17
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014-12-17
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014-12-17
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]	-	2015-06-15

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163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	68515-51-5 68648-93-1	2015-06-15
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	21049-39-8 4149-60-4 375-95-1	2015-12-17
165	Nitrobenzene	98-95-3	2015-12-17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(see butyl) phenol (UV-350)	36437-37-3	2015-12-17
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	2015-12-17
168	1,3-propanesultone	1120-71-4	2015-12-17
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	2016-06-20
170	p-(1,1-dimethylpropyl)phenol	80-46-6	2017-01-12
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	38-45-3 3108-42-7 335-76-2	2017-01-12
172	4-heptylphenol, branched and linear	-	2017-02-17
173	4,4'-isopropylidenediphenol	80-05-7	2017-01-12
174	Perfluorohexane-2-sulphonic acid and its salts	-	2017-07-07
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	2018-01-15
176	Chrysene	218-01-9 1719-03-5	2018-01-15
177	Cadmium nitrate	10325-94-7 1122-68-1	2018-01-15
178	Cadmium hydroxide	21041-95-2	2018-01-15
179	Cadmium carbonate	513-78-0	2018-01-15

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180	Benz[a]anthracene	56-55-3 1718-53-2	2018-01-15
181	1,6,7,8,9,14,15,16,17,18-Dodecachloropentacyclo [12.2.1.16,9.02,13,05,10]octadeca-7,15-diene ("Dechlorane Plus")	-	2018-01-15
182	Terphenyl, hydrogenated	61788-32-7	2018-06-27
183	Octamethylcyclotetrasiloxane	556-67-2	2018-06-27
184	Lead	7439-92-1	2018-06-27
185	Ethylenediamine	107-15-3	2018-06-27
186	Dodecamethylcyclohexasiloxane	540-97-6	2018-06-27
187	Disodium octaborate	12008-41-2	2018-06-27
188	Dicyclohexyl phthalate	84-51-7	2018-06-27
189	Decamethylcyclopentasiloxane	514-02-6	2018-06-27
190	Benzo[ghi]perylene	191-24-2	2018-06-27
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	2018-06-27
192	Pyrene	129-00-01 1718-52-1	2019-01-15
193	Phenanthrene	85-01-8	2019-01-15
194	Fluoranthene	206-44-0 93951-69-0	2019-01-15
195	Benzo[k]fluoranthene	207-08-9	2019-01-15
196	2,3-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	2019-01-15
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	2019-01-15