

## 1 Purpose & Scope

The purpose of this document is to communicate Qorvo's compliance to the EU REACH Regulation (2006/1907/EC) to interested parties.

## 2 References

Reference	Title	Location
2006/1907/EC	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)	<a href="https://echa.europa.eu/regulations/reach/legislation">https://echa.europa.eu/regulations/reach/legislation</a>

## 3 REACH Statement of Compliance

Qorvo Inc. (Qorvo) closely follows the implementation of the European Union regulation on the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH). After appropriate due diligence, Qorvo has concluded that it is an article manufacturer with some operations in the European Union. Qorvo also imports articles into the European Union for sale and distribution.

With regard to Article 7(1) of the REACH regulation (registration requirements), Qorvo does not manufacture any articles where a substance is intended to be released under normal or reasonably foreseeable conditions of use. Therefore, Qorvo does not need to register any substances with the European Chemicals Agency (ECHA) under Article 7(1).

With regard to Article 7(2) of the REACH regulation (notification requirements), Qorvo reports the presence of any Substances of Very High Concern (SVHCs) listed in the Candidate List (see Section 4 below) above a concentration of 0.1% in the full material declarations and certificates of compliance provided to customers. These declarations are completed on a part-by-part basis.

In order to help its customers meet their obligations under the REACH regulation, Qorvo is able to provide full material declarations, using the IPC 1752A format. Customers should request material declarations and certificates of compliance by emailing [QorvoGreen@qorvo.com](mailto:QorvoGreen@qorvo.com).

#### 4 List of REACH SVHCs

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
1	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	Carc. 1B Muta. 2	28-Oct-2008
2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	vPvB	28-Oct-2008
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) with the molecular formula:  C <sub>x</sub> H <sub>(2x-y+2)</sub> Cl <sub>y</sub> , where x = 10-13 and y = 1-13  Qorvo also assumes that this category includes all SCCPs listed in the USEPA Toxic Release Inventory - <a href="#">List of Toxic Chemicals within the Polychlorinated Alkanes Category and Guidance for Reporting, EPA 745-B-99-023, June 1999</a> . (There are 93 SCCPs listed in this document.)	85535-84-8	287-476-5	PBT vPvB	28-Oct-2008
4	Anthracene	120-12-7	204-371-1	PBT	28-Oct-2008
5	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Rep. Tox. 1B Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	28-Oct-2008 11-Jul-2017



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	Rep. Tox. 1B Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	28-Oct-2008 17-Dec-2014 11-Jul-2017
7	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	PBT	28-Oct-2008
8	Diarsenic pentaoxide	1303-28-2	215-116-9	Carc. 1A	28-Oct-2008
9	Diarsenic trioxide	1327-53-3	215-481-4	Carc. 1A	28-Oct-2008
10	Dibutyl phthalate (DBP)	84-74-2	201-557-4	Rep. Tox. 1B Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	28-Oct-2008 11-Jul-2017
11	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 134237-50-6 134237-51-7 134237-52-8	247-148-4 221-695-9	PBT	28-Oct-2008
12	Lead hydrogen arsenate	7784-40-9	232-064-2	Carc. 1A Rep. Tox. 1A	28-Oct-2008
13	Sodium dichromate	7789-12-0 10588-01-9	234-190-3	Carc. 1B Muta. 1B Rep. Tox. 1B	28-Oct-2008
14	Triethyl arsenate	15606-95-8	427-700-2	Carc. 1A	28-Oct-2008
15	2,4-Dinitrotoluene	121-14-2	204-450-0	Carc. 1B	13-Jan-2010



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
16	Anthracene oil	90640-80-5	292-602-7	Carc. 1B PBT vPvB	13-Jan-2010
17	Anthracene oil, anthracene paste	90640-81-6	292-603-2	Carc. 1B PBT vPvB	13-Jan-2010
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Carc. 1B PBT vPvB	13-Jan-2010
19	Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5	Carc. 1B PBT vPvB	13-Jan-2010
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	Carc. 1B PBT vPvB	13-Jan-2010
21	Diisobutyl phthalate	84-69-5	201-553-2	Rep. Tox. 1B Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	13-Jan-2010 11-Jul-2017
22	Lead chromate	7758-97-6	231-846-0	Carc. 1B Rep. Tox. 1A	13-Jan-2010
23	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	Carc. 1B Rep. Tox. 1A	13-Jan-2010
24	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	Carc. 1B Rep. Tox. 1A	13-Jan-2010
25	Pitch, coal tar, high temp.	65996-93-2	266-028-2	Carc. 1B PBT vPvB	13-Jan-2010
26	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	Rep. Tox 1B	13-Jan-2010
27	Acrylamide	79-06-1	201-173-7	Carc. 1B Muta. 1B	30-Mar-2010



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
28	Ammonium dichromate	7789-09-5	232-143-1	Carc. 1B Muta. 1B Rep. Tox. 1B	18-Jun-2010
29	Boric Acid	10043-35-3 11113-50-1	233-139-2 234-343-4	Rep. Tox. 1B	18-Jun-2010
30	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	215-540-4	Rep. Tox. 1B	18-Jun-2010
31	Potassium chromate	7789-00-6	232-140-5	Carc. 1B Muta. 1B	18-Jun-2010
32	Potassium dichromate	7778-50-9	231-906-6	Carc. 1B Muta. 1B Rep. Tox. 1B	18-Jun-2010
33	Sodium chromate	7775-11-3	231-889-5	Carc. 1B Muta. 1B Rep. Tox. 1B	18-Jun-2010
34	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	Rep. Tox. 1B	18-Jun-2010
35	Trichloroethylene	79-01-6	201-167-4	Carc. 1B	18-Jun-2010
36	2-Ethoxyethanol	110-80-5	203-84-1	Rep. Tox. 1B	15-Dec-2010
37	2-Methoxyethanol	109-86-4	203-713-7	Rep. Tox. 1B	15-Dec-2010
38	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic Acid Dichromic Acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5	Carc. 1B	15-Dec-2010
39	Chromium trioxide	1333-82-0	215-607-8	Carc. 1A Muta. 1B	15-Dec-2010
40	Cobalt(II) carbonate	513-79-1	208-169-4	Carc. 1B Rep. Tox. 1B	15-Dec-2010
41	Cobalt(II) diacetate	71-48-7	200-755-8	Carc. 1B Rep. Tox. 1B	15-Dec-2010
42	Cobalt(II) dinitrate	10141-05-6	233-402-1	Carc. 1B Rep. Tox. 1B	15-Dec-2010
43	Cobalt(II) sulphate	10124-43-3	233-334-2	Carc. 1B Rep. Tox. 1B	15-Dec-2010



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
44	1,2,3-Trichloropropane	96-18-4	202-486-1	Carc. 1B Rep. Tox. 1B	20-Jun-2011
45	1,2-Benzenedicarboxylic acid di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	Rep. Tox. 1B	20-Jun-2011
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	Rep. Tox. 1B	20-Jun-2011
47	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	Rep. Tox. 1B	20-Jun-2011
48	2-Ethoxyethylacetate	111-15-9	203-839-2	Rep. Tox. 1B	20-Jun-2011
49	Cobalt dichloride	7646-79-9	231-589-4	Rep. Tox. 1B Carc. 1B	20-Jun-2011 28-Oct-2008
50	Hydrazine	7803-57-8 302-01-2	206-114-9	Carc. 1B	20-Jun-2011
51	Strontium chromate	7789-06-2	232-142-6	Carc. 1B	20-Jun-2011
52	1,2-Dichloroethane; ethylene dichloride	107-06-2	203-458-1	Carc. 1B	19-Dec-2011
53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	Carc. 1B	19-Dec-2011
54	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Carc. 1B	19-Dec-2011
55	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	Equivalent Level of Concern	19-Dec-2011
56	<b>Aluminosilicate Refractory Ceramic Fibres</b> 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			Carc. 1B	19-Dec-2011
57	Arsenic acid	7778-39-4	231-901-9	Carc. 1A	19-Dec-2011
58	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Rep. Tox. 1B	19-Dec-2011
59	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Rep. Tox. 1B	19-Dec-2011
60	Calcium arsenate	7778-44-1	231-904-5	Carc. 1A	19-Dec-2011
61	Dichromium tris(chromate)	24613-89-6	246-356-2	Carc. 1B	19-Dec-2011



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	Carc. 1B	19-Dec-2011
63	Lead diazide; Lead azide	13424-46-9	236-542-1	Rep. Tox. 1A	19-Dec-2011
64	Lead dipicrate	6477-64-1	229-335-2	Rep. Tox. 1A	19-Dec-2011
65	Lead styphnate	15245-44-0	239-290-0	Rep. Tox. 1A	19-Dec-2011
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	Rep. Tox. 1B	19-Dec-2011
67	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	Carc. 1A	19-Dec-2011
68	Phenolphthalein	77-09-8	201-004-7	Carc. 1B	19-Dec-2011
69	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	Carc. 1A	19-Dec-2011
70	Trilead diarsenate	3687-31-8	222-979-5	Carc. 1A Rep. Tox. 1A	19-Dec-2011
71	<b>Zirconia Aluminosilicate Refractory Ceramic Fibres</b> 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			Carc. 1B	19-Dec-2011
72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [ <i>with</i> ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	219-943-6	Carc. 1B	18-Jun-2012
73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [ <i>with</i> ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	208-953-6	Carc. 1B	18-Jun-2012
74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	Rep. Tox. 1B	18-Jun-2012
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Rep. Tox. 1B	18-Jun-2012
76	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	Muta. 1B	18-Jun-2012
77	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	423-400-0	Muta. 1B	18-Jun-2012



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
78	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	209-218-2	Carc. 1B	18-Jun-2012
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	Carc. 1B	18-Jun-2012
80	Diboron Trioxide	1303-86-2	215-125-8	Rep. Tox. 1B	18-Jun-2012
81	Formamide	75-12-7	200-842-0	Rep. Tox. 1B	18-Jun-2012
82	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	Rep. Tox. 1A	18-Jun-2012
83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	Carc. 1B	18-Jun-2012
84	$\alpha,\alpha$ -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	229-851-8	Carc. 1B	18-Jun-2012
85	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	Rep. Tox. 1A	19-Dec-2012
86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Rep. Tox. 1B	19-Dec-2012
87	1,2-diethoxyethane	629-14-1	211-076-1	Rep. Tox. 1B	19-Dec-2012
88	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	Rep. Tox. 1B	19-Dec-2012
89	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	Rep. Tox. 1B	19-Dec-2012
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	19-Dec-2012
91	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	Carc. 1B	19-Dec-2012
92	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carc. 1B Mut. 1B	19-Dec-2012
93	4-aminoazobenzene	60-09-3	200-453-6	Carc. 1B	19-Dec-2012
94	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	Carc. 1B	19-Dec-2012





#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
95	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]	-	-	Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	19-Dec-2012
96	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	Carc. 1B	19-Dec-2012
97	Acetic acid, lead salt, basic	51404-69-4	257-175-3	Rep. Tox. 1A	19-Dec-2012
98	Biphenyl-4-ylamine	92-67-1	202-177-1	Carc. 1A	19-Dec-2012
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	PBT vPvB	19-Dec-2012
100	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].	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	Equivalent level of concern having probable serious effects to human health [Respiratory Sensitizers]	19-Dec-2012
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	Equivalent level of concern having probable serious effects to human health [Respiratory Sensitizers]	19-Dec-2012
102	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	Rep. Tox. 1B	19-Dec-2012
103	Diethyl sulphate	64-67-5	200-589-6	Carc. 1B Mut. 1B	19-Dec-2012
104	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	Rep. Tox. 1B	19-Dec-2012
105	Dimethyl sulphate	77-78-1	201-058-1	Carc. 1B	19-Dec-2012



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	Rep. Tox. 1B	19-Dec-2012
107	Dioxobis(stearato)trilead	12578-12-0	235-702-8	Rep. Tox. 1A	19-Dec-2012
108	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	Rep. Tox. 1A	19-Dec-2012
109	Furan	110-00-9	203-727-3	Carc. 1B	19-Dec-2012
110	Henicosaflluoroundecanoic acid	2058-94-8	218-165-4	vPvB	19-Dec-2012
111	Heptacosaflluorotetradecanoic acid	376-06-7	206-803-4	vPvB	19-Dec-2012
112	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	Equivalent level of concern having probable serious effects to human health [Respiratory Sensitizers]	19-Dec-2012
113	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	Rep. Tox. 1A	19-Dec-2012
114	Lead cyanamidate	20837-86-9	244-073-9	Rep. Tox. 1A	19-Dec-2012
115	Lead dinitrate	10099-74-8	233-245-9	Rep. Tox. 1A	19-Dec-2012
116	Lead monoxide (Lead oxide)	1317-36-8	215-267-0	Rep. Tox. 1A	19-Dec-2012
117	Lead oxide sulfate	12036-76-9	234-853-7	Rep. Tox. 1A	19-Dec-2012
118	Lead titanium trioxide	12060-00-3	235-038-9	Rep. Tox. 1A	19-Dec-2012
119	Lead titanium zirconium oxide	12626-81-2	235-727-4	Rep. Tox. 1A	19-Dec-2012
120	Methoxyacetic acid	625-45-6	210-894-6	Rep. Tox. 1B	19-Dec-2012
121	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	Carc. 1B Mut. 1B	19-Dec-2012
122	N,N-dimethylformamide	68-12-2	200-679-5	Rep. Tox. 1B	19-Dec-2012
123	N-methylacetamide	79-16-3	201-182-6	Rep. Tox. 1B	19-Dec-2012
124	N-pentyl-isopentylphthalate	776297-69-9	-	Rep. Tox. 1B	19-Dec-2012
125	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	202-591-2	Carc. 1B	19-Dec-2012
126	Orange lead (Lead tetroxide)	1314-41-6	215-235-6	Rep. Tox. 1A	19-Dec-2012
127	o-toluidine	95-53-4	202-429-0	Carc. 1B	19-Dec-2012
128	Pentacosaflluorotridecanoic acid	72629-94-8	276-745-2	vPvB	19-Dec-2012
129	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	Rep. Tox. 1A	19-Dec-2012
130	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	Rep. Tox. 1A	19-Dec-2012

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131	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	Rep. Tox. 1A	19-Dec-2012
132	Silicic acid, lead salt	11120-22-2	234-363-3	Rep. Tox. 1A	19-Dec-2012
133	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	Rep. Tox. 1A	19-Dec-2012
134	Tetraethyllead	78-00-2	201-075-4	Rep. Tox. 1A	19-Dec-2012
135	Tetralead trioxide sulphate	12202-17-4	235-380-9	Rep. Tox. 1A	19-Dec-2012
136	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB	19-Dec-2012
137	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	Rep. Tox. 1A	19-Dec-2012
138	Trilead dioxide phosphonate	12141-20-7	235-252-2	Rep. Tox. 1A	19-Dec-2012
139	4-Nonylphenol, branched and linear, ethoxylated  <i>[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]</i>	-	-	Equivalent level of concern having probable serious effects to the environment (due to the endocrine disrupting properties of the degradation products)	20-Jun-2013
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	Rep. Tox. 1B	20-Jun-2013

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
141	Cadmium	7440-43-9	231-152-8	Carc. 1B STOT RE1 - Equivalent level of concern having probable serious effects to human health[adverse effects on kidney and bone tissues after prolonged exposure]	20-Jun-2013
142	Cadmium Oxide	1306-19-0	215-146-2	Carc. 1B STOT RE1 - Equivalent level of concern having probable serious effects to human health[adverse effects on kidney and bone tissues after prolonged exposure]	20-Jun-2013
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Rep. Tox. 1B	20-Jun-2013
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	Rep. Tox. 1B PBT	20-Jun-2013



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
145	Cadmium Sulfide	1306-23-6	215-147-8	Carc. 1B STOT RE1 - Equivalent level of concern having probable serious effects to human health[adverse effects on kidney and bone tissues after prolonged exposure]	16-Dec-2013
146	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	Carc. 1B	16-Dec-2013
147	Dihexyl phthalate	84-75-3	201-559-5	Rep. Tox. 1B	16-Dec-2013
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	Rep. Tox. 1B	16-Dec-2013
149	Trixylyl phosphate	25155-23-1	246-677-8	Rep. Tox. 1B	16-Dec-2013
150	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	Carc. 1B	16-Dec-2013
151	Lead di(acetate)	301-04-2	206-104-4	Rep. Tox. 1A	16-Dec-2013
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Rep. Tox 1B	16-Jun-2014
153	Cadmium chloride	10108-64-2	233-296-7	Carc. 1B Muta. 1B Rep. Tox. 1B STOT RE1	16-Jun-2014
154	Sodium perborate; perboric acid, sodium salt	10332-33-9 10486-00-7	239-172-9 234-390-0	Rep. Tox 1B	16-Jun-2014
155	Sodium peroxometaborate	7632-04-4	231-556-4	Rep. Tox 1B	16-Jun-2014
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	PBT vPvB	17-Dec-2014
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	Rep. Tox. 1B	17-Dec-2014



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
158	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)			Rep. Tox. 1B	17-Dec-2014
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT vPvB	17-Dec-2014
160	Cadmium fluoride	7790-79-6	232-222-0	Carc. 1B Muta. 1B Rep. Tox. 1B STOT RE1	17-Dec-2014
161	Cadmium sulphate	10124-36-4, 31119-53-6	233-331-6	Carc. 1B Muta. 1B Rep. Tox. 1B STOT RE1	17-Dec-2014
162	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	Rep. Tox. 1B	15-Jun-2015
163	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]	117933-89-8 186309-28-4 343934-04-3 343934-05-4 676367-02-5 676367-03-6 676367-04-7 676367-05-8 676367-06-9 676367-07-0 676367-08-1 676367-09-2	413-720-9	vPvB	15-Jun-2015
164	Nitrobenzene	98-95-3	202-716-0	Rep. Tox. 1B	17-Dec-2015
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	vPvB	17-Dec-2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	vPvB	17-Dec-2015
167	1,3-propanesultone	1120-71-4	214-317-9	Carc. 1B	17-Dec-2015
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	Rep. Tox. 1B PBT	17-Dec-2015

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
169	Benzo[def]chrysene, also known as Benzo[a]pyrene (BaP)	50-32-8	202-028-5	Carc. 1B Muta. 1B Rep. Tox. 1B PBT vPvB	20-Jun-2016
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	Rep. Tox. 1B Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	12-Jan-2017 10-Jul-2017
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3 221-470-5	Rep. Tox. 1B PBT	12-Jan-2017
172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	Equivalent level of concern having probable serious effects to environment (Article 57f) [endocrine disruption]	12-Jan-2017
173	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]	-	-	Equivalent level of concern having probable serious effects to environment (Article 57f)	12-Jan-2017
		355-46-4	206-587-1		

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	3871-99-6 41184-65-0 41242-12-0 55120-77-9 68259-08-5 70136-72-0 70225-16-0 72033-41-1 82382-12-5 92011-17-1 108427-54-9 108427-55-0 144116-10-9 153443-35-7 189274-31-5 202189-84-2 213740-81-9 341035-71-0 341548-85-4 350836-93-0 421555-73-9 421555-74-0 425670-70-8 866621-50-3 910606-39-2	223-393-2 269-511-6 274-462-9	vPvB	11-Jul-2017
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS) (continued)  <i>This list of substances is provided by ECHA at: <a href="https://echa.europa.eu/candidate-list-table/-/dislist/details/0b0236e18184a0e1">https://echa.europa.eu/candidate-list-table/-/dislist/details/0b0236e18184a0e1</a>. Click on the Support Document "non-exhaustive_list_identifiers_pfhxs_en.docx".</i>	911027-68-4 911027-69-5 928049-42-7 1000597-52-3 1187817-57-7 1310480-24-0 1310480-27-3 1310480-28-4 1329995-45-0 1329995-69-8 1462414-59-0		vPvB	11-Jul-2017
175	Chrysene	218-01-9	205-923-4	Carc. 1B	15-Jan-2018



#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
				PBT vPvB	
176	Benz[a]anthracene	56-55-3	200-280-6	Carc. 1B PBT vPvB	15-Jan-2018
177	Cadmium nitrate	10325-94-7	233-710-6	Carc. 1B Muta. 1B STOT RE1 - Equivalent level of concern having probable serious effects to human health [adverse effects on kidney and bone tissues after prolonged exposure]	15-Jan-2018
178	Cadmium hydroxide	21041-95-2	244-168-5	Carc. 1B Muta. 1B STOT RE1 - Equivalent level of concern having probable serious effects to human health [adverse effects on kidney and bone tissues after prolonged exposure]	15-Jan-2018
179	Cadmium carbonate	513-78-0	208-168-9	Carc. 1B Muta. 1B	15-Jan-2018

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
				STOT RE1 - Equivalent level of concern having probable serious effects to human health [adverse effects on kidney and bone tissues after prolonged exposure]	
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 <sup>6,9</sup> .0 <sup>2,13</sup> .0 <sup>5,10</sup> ]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> ) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	vPvB	15-Jan-2018
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear	-	-	Equivalent level of concern having probable serious effects to environment (Article 57f) [endocrine disruption]	15-Jan-2018
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	552-30-7	209-008-0	Equivalent level of concern having probable serious effects to human health [Respiratory Sensitizers]	27-Jun-2018

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
183	Benzo[ghi]perylene	191-24-2	205-883-8	PBT vPvB	27-Jun-2018
184	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	PBT vPvB	27-Jun-2018
185	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	Rep. Tox. 1B Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	27-Jun-2018
186	Disodium octaborate	12008-41-2	234-541-0	Rep. Tox. 1B	27-Jun-2018
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	PBT vPvB	27-Jun-2018
188	Ethylenediamine (EDA)	107-15-3	203-468-6	Equivalent level of concern having probable serious effects to human health [Respiratory Sensitizers]	27-Jun-2018
189	Lead	7439-92-1	231-100-4	Rep. Tox. 1A	27-Jun-2018
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	PBT vPvB	27-Jun-2018
191	Terphenyl, hydrogenated	61788-32-7	262-967-7	vPvB	27-Jun-2018
192	Pyrene	129-00-0 1718-52-1	204-927-3	PBT vPvB	15-Jan-2019
193	Phenanthrene	85-01-8	201-581-5	vPvB	15-Jan-2019
194	Fluoranthene	206-44-0 93951-69-0	205-912-4	PBT vPvB	15-Jan-2019
195	Benzo[k]fluoranthene	207-08-9	205-916-6	Carc. 1B PBT	15-Jan-2019

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
				vPvB	
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	Rep. Tox. 1B	15-Jan-2019
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	15-Jan-2019
198	2-methoxyethyl acetate	110-49-6	203-772-9	Rep. Tox. 1B	16-Jul-2019
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Equivalent level of concern having probable serious effects to the environment [Endocrine Disruptors]	16-Jul-2019
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	Equivalent level of concern having probable serious effects to environment  Equivalent level of concern having probable serious effects to human health (Article 57f)	16-Jul-2019

#	Substance Name	CAS No.	EC No.	Reason for Inclusion	Date of Inclusion
201	4-tert-butylphenol	98-54-4	202-679-0	Equivalent level of concern having probable serious effects to environment (Article 57f) [endocrine disruption]	16-Jul-2019

## 5 Revision History

Revision	Create Date (mm/dd/yyyy)	Description of Change	Initiator of Change
A	08/10/2017	Original document. Revised from previously uncontrolled document.	J. Sharp
B	02/02/2018	Incorporating 15-Jan-2018 additions to the REACH SVHC List.	M. Mybeck
C	06/28/2018	Incorporating 27-Jun-2018 additions to the REACH SVHC List.	M. Mybeck
D	01/16/2019	Incorporating 15-Jan-2019 additions to the REACH SVHC List.	M. Mybeck
E	07/16/2019	Incorporating 16-Jul-2019 additions to the REACH SVHC List.	M. Mybeck

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