

ABB Oy Protection and Connection Material Content Declaration

Attachment 2

Scope of this declaration

May 2.2016

This declaration is for all ABB Oy Protection and Connection suppliers. It is based on the RoHS, REACH and other legislations to comply with human health and environment safety demands.

Material Supplier:	<input type="text"/>
Adress:	<input type="text"/>
City:	<input type="text"/>
Supplier contact person:	<input type="text"/>
Contact phone number:	<input type="text"/>
Contact email:	<input type="text"/>
Material type:	<input type="text"/>

1. RoHS Substances

If substances are present, choose yes and fill in the CAS number, %-wt and location information. Concentrations are defined as concentration by weight (%) in homogenous

Substance	Present	CAS number	Concentration, if present- %
Lead (Pb) and lead compounds*	No		
mercury (Hg) and mercury compounds*	No		
cadmium (Cd) and cadmium compounds*	No		
hexavalent chromium (Cr6+) and its compounds*	No		
polybrominated biphenyls (PBB)*	No		
polybrominated diphenyl ether (PBDE)*	No		

Are these substances present in your material/part?

Substances in scope to be added to RoHS, marked with **

2. REACH Substances

2.1 Annex XVII

These restrictions are described in the REACH regulation (1907/2006/EC) Annex XVII. However, if they are present, choose yes after the substance in question.

	Substance	CAS number	Present
1	Polychlorinated terphenyls (PCTs)	-	No
2	Chloroethene (vinyl chloride)	75-01-4	No
3	Tris (2,3 dipromopropyl) phosphate	126-72-7	No
4	Benzene	71-43-2	No
5	Asbestos*	many	No
6	Tris(aziridinyl)phosphinoxide	545-55-1	No
7	Polybrominatedbiphenyls (PBB)*	59536-65-1	No
8	2-Naphthylamine	91-59-8	No
9	Benzidine	92-87-5	No
10	4-Nitrobiphenyl	92-93-3	No
11	4-Aminobiphenyl xenylamine	92-67-1	No
12	Lead carbonates	598-63-0, 13	No
13	Lead sulphates	7446-14-2, 1	No
14	Mercury compounds*	-	No
15	Mercury*	7439-97-6	No
16	Arsenic compounds*	-	No
17	Organostannic compounds	-	No
18	Dibutyltin hydrogen borate	75113-37-0	No
19	Pentachlorophenol	87-86-5	No
20	Cadmium*	7440-43-9	No
21	Monomethyl	76253-60-6	No
22	Monomethyl-dichloro-diphenyl methane	-	No
23	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene (DBE)	99688-47-8	No
24	Nickel	7440-02-0	No
25	Hexachloroethane	67-72-1	No
26	Alkanes, C10-C13 chloro (short chain chlorinated paraffins)*	85535-84-8	No
27	Azocolourants and Azodyes	-	No
28	Diphenylether, octabromo derivative	-	No
29	Nonylphenol*	25154-52-3	No
30	Chromium VI compounds*	-	No
31	Chloroform	67-66-3	No
32	1,1,2-Trichloroethane	79-00-5	No
33	1,1,2,2-Tetrachloroethane	79-34-5	No
34	1,1,1,2-Tetrachloroethane	630-20-6	No
35	Pentachloroethane	76-01-7	No
36	1,1-Dichloroethene	75-35-4	No

37	Toluene	108-88-3	No
38	Trichlorobenzene	120-82-1	No
39	Polycyclic-aromatic hydrocarbons (PAH)	-	No
40	Bis (2-ethylhexyl) phthalate (DEHP)*	117-81-7	No
41	Dibutyl phthalate (DBP)*	84-74-2	No
42	Benzyl butyl phthalate (BBP)*	85-68-7	No
43	Di-'isononyl' phthalate (DINP)*	28553-12-0,	No
44	Di-n-octyl phthalate (DNOP)*	117-84-0	No
45	2-(2-methoxyethoxy)ethanol (DEGME)	111-77-3	No
46	2-(2-butoxyethoxy)ethanol (DEGBE)	112-34-5	No
47	Methylenediphenyl diisocyanate (MDI)*	26447-40-5	No
48	Cyclohexane	110-82-7	No
49	Ammonium nitrate (AN)	6484-52-2	No
50	Dichloromethane*	75-09-2	No
51	Acrylamide*	79-06-1	No
52	Dimethylfumarate (DMF)		No

Are these substances present in your material/part? Yes/No?

2.2 Annex XIV

Restricted, these substances should not be used. However, if they are present, choose yes after the substance in question.

	Substance	CAS number	Present
1	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)*	81-15-2	No
2	4,4'-diaminodiphenylmethane (MDA)*	101-77-9	No
3	Hexabromocyclodecane (HBCDD), (α -, β -, γ -HBCDD) * **	25637-99-4, 134237-50-6	No
4	Bis(2-ethylhexyl)phthalate (DEHP)* **	117-81-7	No
5	Benzyl butyl phthalate (BBP)* **	85-68-7	No
6	Dibutyl phthalate (DBP)* **	84-74-2	No
7	Diisobutyl phthalate (DIBP)*	84-69-5	No
8	Diarsenic trioxide*	1327-53-3	No
9	Diarsenic pentaoxide*	1303-28-2	No
10	Lead chromate*	7758-97-6	No
11	Lead sulfochromate yellow (C.I. Pigment yellow 34)*	1344-37-2	No
12	Lead chromate molybdate sulphate red (C.I. Pigment red 104)*	12656-85-8	No
13	Tris(2-chloroethyl)phosphate (TCEP)*	115-96-8	No
14	2,4-Dinitrotoluene*	121-14-2	No

Are these substances present in your material/part?

2.3 Candidate list for SVHC

Restricted, active work should be performed to find less hazardous alternatives. If some substance is present, choose yes after the substance and fill the concentration by

	Substance	CAS number	Present	Concentration, if present - %
1	Nitrobenzene	98-95-3	No	
2	o-aminoazotoluene	97-56-3	No	
3	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	No	
4	1,2,3-trichloropropane	96-18-4	No	
5	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	No	
6	o-toluidine	95-53-4	No	
7	Biphenyl-4-ylamine	92-67-1	No	
8	Anthracene oil, anthracene paste, distn. lights	91995-17-4	No	
9	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	No	
10	Fatty acids, C16-18, lead salts	91031-62-8	No	
11	Anthracene oil, anthracene-low	90640-82-7	No	
12	Anthracene oil, anthracene paste	90640-81-6	No	
13	Anthracene oil	90640-80-5	No	
14	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	No	
15	2-Methoxyaniline, o-Anisidine	90-04-0	No	
16	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	No	
17	1-Methyl-2-pyrrolidone (NMP)	872-50-4	No	
18	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	No	
19	Benzyl butyl phthalate (BBP)	85-68-7	No	
20	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	No	
21	Dihexyl phthalate	84-75-3	No	
22	Dibutyl phthalate (DBP)	84-74-2	No	
23	Diisobutyl phthalate	84-69-5	No	
24	4,4'-methylenedi-o-toluidine	838-88-0	No	
25	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	No	
26	Pyrochlore, antimony lead yellow	8012-00-8	No	
27	N-methylacetamide	79-16-3	No	
28	Acrylamide	79-06-1	No	
29	Trichloroethylene	79-01-6	No	
30	Hydrazine	302-01-2, 78	No	
31	Tetraethyllead	78-00-2	No	

32	Cadmium fluoride	7790-79-6	No
33	Sodium dichromate	10588-01-9	No
34	Ammonium dichromate	7789-09-5	No
35	Strontium chromate	7789-06-2	No
36	Potassium chromate	7789-00-6	No
37	Lead hydrogen arsenate	7784-40-9	No
38	Potassium dichromate	7778-50-9	No
39	Calcium arsenate	7778-44-1	No
40	Arsenic acid	7778-39-4	No
41	Sodium chromate	7775-11-3	No
42	N-pentyl-isopentylphthalate	776297-69-9	No
43	Lead chromate	7758-97-6	No
44	Dimethyl sulphate	77-78-1	No
45	Phenolphthalein	77-09-8	No
46	Cobalt dichloride	7646-79-9	No
47	Sodium peroxometaborate	7632-04-4	No
48	Methyloxirane (Propylene oxide)	75-56-9	No
49	Formamide	75-12-7	No
50	Cadmium	7440-43-9	No
51	Pentacosafuorotridecanoic acid	72629-94-8	No
52	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	No
53	Cobalt(II) diacetate	71-48-7	No
54	[Phthalato(2-)]dioxotrilead	69011-06-9	No
55	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	No
56	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	No
57	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	No
58	Dibutyltin dichloride (DBTC)	683-18-1	No
59	N,N-dimethylformamide	68-12-2	No
60	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methan	6786-83-0	No
61	Pitch, coal tar, high-temp.	65996-93-2	No
62	Lead dipicrate	6477-64-1	No
63	Diethyl sulphate	64-67-5	No
64	1,2-diethoxyethane	629-14-1	No
65	Methoxyacetic acid	625-45-6	No
66	Sulfurous acid, lead salt, dibasic	62229-08-7	No
67	Diisopentyl phthalate	605-50-5	No
68	4-aminoazobenzene	60-09-3	No
69	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trio	59653-74-6	No
70	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-	573-58-0	No
71	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	No
72	Bis(tributyltin) oxide (TBTO)	56-35-9	No
73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene	548-62-9	No
74	Acetic acid, lead salt, basic	51404-69-4	No
75	Cobalt(II) carbonate	513-79-1	No
76	Pentazinc chromate octahydroxide	49663-84-5	No
77	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	No
78	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	No
79	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	No
80	Heptacosafuorotetradecanoic acid	376-06-7	No
81	Trilead diarsenate	3687-31-8	No
82	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	No
83	Pentadecafluorooctanoic acid (PFOA)	335-67-1	No
84	Cadmium sulphate	10124-36-4	No
85	Tricosafuorododecanoic acid	307-55-1	No
86	Lead di(acetate)	301-04-2	No
87	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	No
88	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-	2580-56-5	No
89	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	No
90	Trixylyl phosphate	25155-23-1	No
91	Dichromium tris(chromate)	24613-89-6	No
92	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	No
93	Lead cyanamidate	20837-86-9	No
94	Henicosafuoroundecanoic acid	2058-94-8	No
95	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]	1937-37-7	No
96	Lead(II) bis(methanesulfonate)	17570-76-2	No
97	Triethyl arsenate	15606-95-8	No
98	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradeca	15571-58-1	No
99	Lead styphnate	15245-44-0	No
100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	No
101	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	No
102	Lead bis(tetrafluoroborate)	13814-96-5	No
103	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	No
104	Lead diazide, Lead azide	13424-46-9	No
105	Chromium trioxide	1333-82-0	No
106	Disodium tetraborate, anhydrous	12179-04-3	No
107	Diarsenic trioxide	1327-53-3	No
108	Trilead bis(carbonate) dihydroxide	1319-46-6	No
109	Lead monoxide (lead oxide)	1317-36-8	No
110	Orange lead (lead tetroxide)	1314-41-6	No
111	Dipentyl phthalate (DPP)	131-18-0	No
112	Cadmium sulphide	1306-23-6	No
113	Cadmium oxide	1306-19-0	No
114	Diboron trioxide	1303-86-2	No
115	Diarsenic pentaoxide	1303-28-2	No

116	N,N-dimethylacetamide	127-19-5	No
117	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	No
118	Lead titanium zirconium oxide	12626-81-2	No
119	Dioxobis(stearato)trilead	12578-12-0	No
120	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	No
121	Tetraboron disodium heptaoxide, hydrate	12267-73-1	No
122	Tetralead trioxide sulphate	12202-17-4	No
123	Trilead dioxide phosphonate	12141-20-7	No
124	2,4-dinitrotoluene	121-14-2	No
125	Pentalead tetraoxide sulphate	12065-90-6	No
126	Lead titanium trioxide	12060-00-3	No
127	Lead oxide sulfate	12036-76-9	No
128	6-methoxy-m-toluidine (p-cresidine)	120-71-8	No
129	Anthracene	120-12-7	No
130	Bis(2-methoxyethyl) phthalate	117-82-8	No
131	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	No
132	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	No
133	Tris(2-chloroethyl) phosphate	115-96-8	No
134	1,3-propanesultone	1120-71-4	No
135	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	No
136	Silicic acid, lead salt	11120-22-2	No
137	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	No
138	Bis(2-methoxyethyl) ether	111-96-6	No
139	2-ethoxyethyl acetate	111-15-9	No
140	2-ethoxyethanol	110-80-5	No
141	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	No
142	Furan	110-00-9	No
143	2-methoxyethanol	109-86-4	No
144	1,2-dichloroethane	107-06-2	No
145	1-bromopropane (n-propyl bromide)	106-94-5	No
146	Cobalt(II) dinitrate	10141-05-6	No
147	Cobalt(II) sulphate	10124-43-3	No
148	Cadmium chloride	10108-64-2	No
149	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	No
150	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	No
151	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	No
152	Lead dinitrate	10099-74-8	No
153	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl-		No
154	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	No
155	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	No
156	4,4'-oxydianiline and its salts	-	No
157	4,4'-oxydianiline	101-80-4	No
158	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	No
159	4-Nonylphenol, branched and linear	-	No
160	4-Nonylphenol, branched and linear, ethoxylated	-	No
161	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-	-	No
162	5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	No
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	-	No
164	Acids generated from chromium trioxide and their oligomers	-	No
165	Chromic acid	13530-68-2,	No
166	Oligomers of chromic acid and dichromic acid	-	No
167	Dichromic acid	13530-68-2,	No
168	Aluminosilicate Refractory Ceramic Fibres	-	No
169	Boric acid	-	No
170	Boric acid, crude natural	11113-50-1	No
171	Boric acid	10043-35-3	No
172	Cyclohexane-1,2-dicarboxylic anhydride	-	No
173	cis-cyclohexane-1,2-dicarboxylic anhydride	13149-00-3	No
174	Cyclohexane-1,2-dicarboxylic anhydride	85-42-7	No
175	trans-cyclohexane-1,2-dicarboxylic anhydride	14166-21-3	No
176	Hexabromocyclododecane (HBCDD)	-	No
177	1,2,5,6,9,10-hexabromocyclododecane	3194-55-6	No
178	gamma-hexabromocyclododecane	134237-52-8	No
179	Hexabromocyclododecane	25637-99-4	No
180	alpha-hexabromocyclododecane	134237-50-6	No
181	beta-hexabromocyclododecane	134237-51-7	No
182	Hexahydromethylphthalic anhydride	-	No
183	Hexahydro-4-methylphthalic anhydride	19438-60-9	No
184	Hexahydromethylphthalic anhydride	25550-51-0	No
185	Hexahydro-1-methylphthalic anhydride	48122-14-1	No
186	Hexahydro-3-methylphthalic anhydride	57110-29-9	No
187	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	No
188	Ammonium salts of perfluorononan-1-oic-acid	-, 4149-60-4	No
189	Perfluorononan-1-oic-acid	375-95-1	No
190	Sodium salts of perfluorononan-1-oic-acid	-, 21049-39-8	No
191	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-	-	No
192	Sodium perborate, perboric acid, sodium salt	-	No
193	Sodium perborate	15120-21-5	No
194	Perboric acid, sodium salt	11138-47-9	No
195	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	No
196	Are these substances present in your material/part?		No

3. Other restrictions from ABB lists of Prohibited and Restricted Substances

Prohibited, these substances must not be used. However, if they are present, choose yes after the substance in question.

	Substance	Present
1	1,1,1 - trichloethane	No
2	Gamma-benzene hexachloride (lindane)	No
3	CFC substances	No
4	Halon substances	No
5	Polychlorinated biphenyl (PCB)	No
6	Tetrachloroethene (perchloryethylene)	No
7	Tetrachloromethane (carbon tetrachloride)	No
8	1,2-dichloroethane	No
9	Trichloroethylene	No

Are these substances present in your material/part?

Restricted, active work should be performed to find less hazardous alternatives. If some are found, choose yes after the substance and fill the concentration by weight of it.

	Substance	CAS number	Present	Concentration, if present - %
1	HCFC substances	several	No	
2	Diphenylamine	122-39-4	No	
3	Ethylenediamine	107-15-3	No	
4	Hexahydrophthalic anhydrides	85-42-7	No	
5	Hexamethylenetetramine	100-97-0	No	
6	Methylhexahydrophthalic anhydrides	25550-51-0	No	
7	Methyltetrahydrophthalic anhydrides	26590-20-5	No	
8	Tetrafluoromethane (CF4)	75-73-0	No	
9	Tetrahydrophthalic anhydrides	85-43-8	No	
10	Alkanes, C14-17, chloro (Chlorinated paraffins)	85535-85-9	No	
11	2-methoxyethyl acetate	110-49-6	No	
12	Beryllium and beryllium compounds	7440-41-7	No	
13	Dichromium tris(chromate)	24613-89-6	No	
14	Diisodecylphthalate (DIDP)	26761-40-0	No	
15	Dimethylphthalate (DMP)	131-11-3	No	
16	Toluendiisocyanate (TDI)	91-08-7, 584	No	
17	Triglycidylisocyanurate (TGIC)	2451-62-9	No	
18	Zinc chromate	13530-65-9	No	

Are these substances present in your material/part?

To be returned to ABB Oy, Protection and Connection -unit by 27.5.2016

[Place, date]

[Name of the supplier]

<name>
<title>