



Purpose

The declaration below is intended for use as disclosure of the substances contained in products supplied by Alpha, a MacDermid Performance Solutions Business. This disclosure is provided for manufacturers of Electrical and Electronic Equipment (EEE) and sub assemblies of EEE and the End of Life Vehicles Directive.

Date	July 15, 2016
Company Name	ALPHA®, Assembly Solutions
Product Name	Solder Wire Cored SACX Plus 0307, Telecore HF-850
Alloy	SACX0307
Product Total Mass (g)	Not applicable – bulk material, concentrations reported in ppm

Materials and Substances

The table below references Level A and B Materials and Substances indicated in the Joint Industry Guide – Material, JIG-101A Composition Declaration Guide September 18th 2007 and the End of Life Vehicles Directive 2000/53/EU and Global Automotive Declaration Substances List (GADSL). This includes the materials defined in Article 4 .1 of the European Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). It also includes references to the European Chemicals Agency (ECHA), for the identification of Substances of Very High Concern (SVHC) – the REACH Regulation as defined in Article 57 of Regulation (EC) No. 1907/2006.

RoHS Substances

Material/Substance	Threshold Level	Material/Substance Concentration
Cadmium/Cadmium Compounds	100ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Hexavalent Chromium/ Hexavalent Chromium Compounds	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Lead/Lead Compounds	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Mercury/Mercury Compounds	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Polybrominated Biphenyls (PBBs)	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Polybrominated Biphenylethers (PBDEs)	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Bis(2-ethylhexyl) phthalate	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Butyl benzyl phthalate (BBP)	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Dibutyl phthalate (DBP)	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
Diisobutyl phthalate (DIBP)	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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REACH SVHC Substances

#	Substance Name	CAS #	Concentration Threshold (PPM)	Material / Substance Concentration
1	Anthracene	120-12-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
2	4,4'- Diaminodiphenylmethane	101-77-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
3	Dibutyl phthalate	84-74-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
4	Cobalt dichloride	7646-79-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
5	Diarsenic pentaoxide	1303-28-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
6	Diarsenic trioxide	1327-53-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
7	Sodium dichromate, dihydrate	10588-01-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
10	Hexabromocyclododecane (HBCDD)	25637-99-4; 3194-55-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
12	Bis(tributyltin) oxide,hexabutylidstannoxane	56-35-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
13	Lead hydrogen arsenate	7784-40-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
14	Triethyl arsenate	15606-95-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
15	Benzyl butyl phthalate	85-68-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
16	2,4-Dinitrotoluene	121-14-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
17	Anthracene oil	90640-80-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
18	Anthracene oil, anthracene paste	90640-81-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
20	Anthracene oil, anthracene paste,distn. lights	91995-17-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
21	Anthracene oil, anthracene-low	90640-82-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
22	Diisobutyl phthalate	84-69-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
23	Lead chromate	7758-97-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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#	Substance Name	CAS #	Concentration Threshold (PPM)	Material / Substance Concentration
26	Pitch, coal tar, high temp.	65996-93-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
27	Tris(2-chloroethyl)phosphate	115-96-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
28	Acrylamide	79-06-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
29	Trichloroethylene	79-01-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
30	Boric acid	10043-35-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
31	Disodium tetraborate, anhydrous	1330-43-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
33	Sodium chromate	7775-11-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
34	Potassium chromate	7789-00-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
35	Ammonium dichromate	7789-09-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
36	Potassium dichromate	7778-50-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
37	2-Ethoxyethanol	110-80-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
38	2-Methoxyethanol	109-86-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
39	Chromic acid	7738-94-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
40	Chromium trioxide	1333-82-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
41	Cobalt(II) carbonate	513-79-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
42	Cobalt(II) diacetate	71-48-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
43	Cobalt(II) dinitrate	10141-05-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
44	Cobalt(II) sulphate	10124-43-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
45	1,2,3-Trichloropropane	96-18-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
48	1-Methyl-2-pyrrolidone	872-50-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
49	2-Ethoxyethyl acetate	111-15-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
50	Hydrazine	302-01-2 / 7803-57-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
51	Strontium chromate	7789-06-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
52	Dichromium tris(chromate)	24613-89-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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53	Potassium hydroxyoctaoxidizincatedi-chromate	11103-86-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
54	Pentazinc chromate octahydroxide	49663-84-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
58	Bis(2-methoxyethyl) phthalate	117-82-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
59	2-Methoxyaniline; o-Anisidine	90-04-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
61	1,2-Dichloroethane	107-06-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
62	Bis(2-methoxyethyl) ether	111-96-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
63	Arsenic acid	7778-39-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
64	Calcium arsenate	7778-44-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
65	Trilead diarsenate	3687-31-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
66	N,N-dimethylacetamide (DMAC)	127-19-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
68	Phenolphthalein	77-09-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
69	Lead azide Lead diazide	13424-46-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
70	Lead styphnate	15245-44-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
71	Lead dipicrate	6477-64-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
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	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
73	N,N,N',N'.tetramethyl.4,4'.methylenedianiline (Michler's base)	101-61-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
74	1,3,5.tris[(2S and 2R).2,3.epoxypropyl].1,3,5.triazine.2,4,6.(1H,3 H,5H).trione (β .TGIC)	59653-74-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
75	Diboron trioxide	1303-86-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
76	1,2.bis(2.methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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77	4,4'.bis(dimethylamino).4''.(methylamino)trityl alcohol [<i>with ≥ 0.1% of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)</i>]	561-41-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
78	Lead(II) bis(methanesulfonate)	17570-76-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
79	Formamide	75-12-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
80	[4.[4,4'.bis(dimethylamino)benzhydrylidene]cyclohexa.2,5.dien.1.ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [<i>with ≥ 0.1% of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)</i>]	548-62-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
81	1,2.dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
82	[4.[[4.anilino.1.naphthyl][4.(dimethylamino)phenyl]methylene]cyclohexa.2,5.dien.1.ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [<i>with ≥ 0.1% of Michler's ketone (EC No. 202.027.5) or Michler's base (EC No. 202.959.2)</i>]	2580-56-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
83	1,3,5.Tris(oxiran.2.ylmethyl).1,3,5.triazinane.2,4,6.trione (TGIC)	2451-62-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
84	4,4'.bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
85	Pyrochlore, antimony lead yellow	8012-00-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
87	Henicosafluoroundecanoic acid	2058-94-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [<i>The individual isomers [2], [3] and [4] (and all possible combinations of the isomers [1] are covered by this entry)</i>]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [<i>The individual cis- [2] and trans- [3] isomer</i>]	85-42-7, 13149-00-3, 14166-21-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
90	Dibutyltin dichloride (DBTC)	683-18-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
91	Lead bis(tetrafluoroborate)	13814-96-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
92	Lead dinitrate	10099-74-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
93	Silicic acid, lead salt	11120-22-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
94	4-Aminoazobenzene	60-09-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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95	Lead titanium zirconium oxide	12626-81-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
96	Lead monoxide (lead oxide)	1317-36-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
97	o-Toluidine	95-53-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
99	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
100	Trilead bis(carbonate)dihydroxide	1319-46-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
101	Furan	110-00-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
102	N,N-dimethylformamide	68-12-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
104	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]	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
105	4,4'-methylenedi-o-toluidine	838-88-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
106	Diethyl sulphate	64-67-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
107	Dimethyl sulphate	77-78-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
108	Lead oxide sulfate	12036-76-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
109	Lead titanium trioxide	12060-00-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
110	Acetic acid, lead salt, basic	51404-69-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
111	[Phthalato(2-)]dioxotrilead	69011-06-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
113	N-methylacetamide	79-16-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
115	1,2-Diethoxyethane	629-14-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
116	Tetralead trioxide sulphate	12202-17-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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117	N-pentyl-isopentylphthalate	776297-69-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
118	Dioxobis(stearato)trilead	12578-12-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
119	Tetraethyllead	78-00-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
120	Pentalead tetraoxide sulphate	12065-90-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
121	Pentacosafuorotridecanoic acid	72629-94-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
122	Tricosafuorododecanoic acid	307-55-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
123	Heptacosafuorotetradecanoic acid	376-06-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
124	1-bromopropane (n-propyl bromide)	106-94-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
125	Methoxyacetic acid	625-45-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
127	Methyloxirane (Propylene oxide)	75-56-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
128	Trilead dioxide phosphonate	12141-20-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
129	o-aminoazotoluene	97-56-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
131	4,4'-oxydianiline and its salts	101-80-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
132	Orange lead (lead tetroxide)	1314-41-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
133	Biphenyl-4-ylamine	92-67-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
134	Diisopentylphthalate	605-50-5	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
135	Fatty acids, C16-18, lead salts	91031-62-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
137	Sulfurous acid, lead salt, dibasic	62229-08-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
138	Lead cyanamidate	20837-86-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
139	Cadmium	7440-43-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
140	Cadmium Oxide	1306-19-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
143	Dipentyl phthalate (DPP)	131-18-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

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144	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>	9016-45-9	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
145	Cadmium sulphide	1306-23-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
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	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
147	Dihexyl phthalate	84-75-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
149	Trixylyl phosphate	25155-23-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
151	Lead di(acetate)	301-04-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
153	Sodium perborate; perboric acid, sodium salt	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
154	Sodium peroxometaborate	7632-04-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
155	Cadmium chloride	10108-64-2	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
159	Cadmium fluoride	7790-79-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
160	Cadmium sulphate	10124-36-4; 31119-53-6	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
161	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)	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated.

#	Substance Name	CAS #	Concentration Threshold (PPM)	Material / Substance Concentration
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	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
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]	-	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
164	Nitrobenzene	98-95-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
167	1,3-propanesultone	1120-71-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	1000ppm or Intentionally added	Less than Threshold Level and Not Intentionally Added

Other Regulated Substances of Concern

Material/Substance	Threshold Level	Material/Substance Concentration
Asbestos	Intentionally added	Not Intentionally Added
Azo colorants	Intentionally added	Not Intentionally Added
Brominated Flame Retardants (other than PBB or PBDE's)	1000ppm	Less than Threshold Level
DecaBDE, Decabromodiphenylether, 1163-19-5	1000ppm or Intentionally added	Not Intentionally Added
Halogen - Bromine (Br), CAS No. 007726-95-6	1000ppm	Not Intentionally Added
Halogen - Chlorine (Cl), CAS No. 007782-50-5	1000ppm	Less than Threshold Level
Halogens Total (Br & Cl)	1500ppm	Less than Threshold Level
Ozone Depleting Substances (CFCs, HCFCs, HBFCs, carbon tetrachloride etc.)	Class I : Intentionally added Class II : HCFCs : 1000ppm	Less than Threshold Level and Not Intentionally Added
Perchloro ethylene	Intentionally added	Not Intentionally Added
Phthalates	1000ppm	Less than Threshold Level
Polychlorinated Biphenyls (PCBs)	Intentionally added	Not Intentionally Added
Polychlorinated Naphthalenes (more than three chlorine atoms)	Intentionally added	Not Intentionally Added
PFOS & PFOA (perfluorooctane sulfonate & perfluorooctanoic acid)	1000ppm or Intentionally added	Not Intentionally Added
Radioactive Substances	Intentionally added	Not Intentionally Added
Shortchain Chlorinated Paraffins	Intentionally added	Not Intentionally Added
Tributyl Tin (TBT) and Triphenyl Tin (TPT)	Intentionally added	Not Intentionally Added
Tributyl Tin Oxide (TBTO)	Intentionally added	Not Intentionally Added
Vinyl Chloride Polymer (PVC)	1000ppm	Less than Threshold Level
Antimony/Antimony Compounds	1000ppm	Less than Threshold Level
Arsenic/Arsenic Compounds	1000ppm	Less than Threshold Level
Beryllium/Beryllium Compounds	1000ppm	Less than Threshold Level
Bismuth/Bismuth Compounds	1000ppm	1,000 ppm nominal
Copper/Copper Compounds	1000ppm	7,000 ppm nominal
Gold/Gold Compounds	1000ppm	Less than threshold level
Magnesium	1000ppm	Less than Threshold Level
Nickel/Nickel Compounds	1000ppm	Less than threshold level
Palladium/Palladium Compounds	1000ppm	Less than Threshold Level
Selenium/Selenium Compounds	1000ppm	Less than Threshold Level
Silver/Silver Compounds	1000ppm	3,000 ppm nominal

Source data used for Declaration:

Third-party Analysis

GLB-RoHS-SM-029

√ Subject Matter Expert Assessment