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January 16, 2018

To Whom It May Concern;

Subject: Samtec Products – European Union *REACH Regulation (EC 1907/2006) - Certificate of Compliance

We confirm that the intentional composition of Samtec products (REACH articles, including packaging), are EU REACH Compliant, in accordance with the European Union REACH Regulation (Regulation EC 1907/2006).

#	Substance Identification	EC No.	CAS No.
1	1,2,3-Trichloropropane	202-486-1	96-18-4
2	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7 rich	276-158-1	71888-89-6
3	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4
4	1-Methyl-2-pyrrolidone	212-828-1	872-50-4
5	2-Ethoxyethyl acetate	203-839-2	111-15-9
6	Triethyl arsenate	427-700-2	15606-95-8
7	Anthracene	204-371-1	120-12-7
8	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9
9	Dibutyl phthalate (DBP)	201-557-4	84-74-2
10	Diarsenic pentaoxide	215-116-9	1303-28-2
11	Diarsenic trioxide	215-481-4	1327-53-3
12	Sodium dichromate	234-190-3	7789-12-0
13	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2
14	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7
15	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: <i>Alpha-hexabromocyclododecane</i> <i>Beta-hexabromocyclododecane</i> <i>Gamma-hexabromocyclododecane</i>	247-148-4 and 221-695-9	25637-99-4
16	Hydrazine	206-114-9	302-01-2 / 7803-57-8
17	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8
18	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9
19	Lead hydrogen arsenate	232-064-2	7784-40-9
20	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7
21	2,4-Dinitrotoluene	204-450-0	121-14-2
22	Anthracene oil	292-602-7	90640-80-5
23	Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4
24	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2

25	Anthracene oil, anthracene-low	292-604-8	90640-82-7
26	Anthracene oil, anthracene paste	292-603-2	90640-81-6
27	Diisobutyl phthalate	201-553-2	84-69-5
28	Lead chromate	231-846-0	7758-97-6
29	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	235-759-9	12656-85-8
30	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2
31	Acrylamide	201-173-7	79-06-1
32	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8
33	Coal tar pitch, high temperature	266-028-2	65996-93-2
34	Trichloroethylene	201-167-4	79-01-6
35	Boric Acid	233-139-2	10043-35-3
36	Disodium Tetraborate anhydrous	215-540-4	1330-43-4/12179-04-3/1303-96-4
37	Tetraboron disodiumheptaoxide hydrate	235-541-3	12267-73-1
38	Sodium chromate	231-889-5	7775-11-3
39	Potassium chromate	232-140-5	7789-00-6
40	Ammonium dichromate	232-143-1	7789-09-5
41	Potassium dichromate	231-906-6	7778-50-9
42	Strontium chromate	232-142-6	7789-06-2
43	Cobalt(II) sulphate	233-334-2	10124-43-3
44	Cobalt(II) dinitrate	233-402-1	10141-05-6
45	Cobalt(II) carbonate	208-169-4	513-79-1
46	Cobalt(II) diacetate	200-755-8	71-48-7
47	Cobalt dichloride	231-589-4	7646-79-9
48	2-Methoxyethanol	203-713-7	109-86-4
49	2-Ethoxyethanol	203-804-1	110-80-5
50	Chromium trioxide	215-607-8	1333-82-0
51	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2
52	Zirconia Aluminosilicate Refractory Ceramic Fibers (fibers covered by index number 650-017-00-8 in Annex VI, part 3.1 of Regulation (EC) Number 1272/2008 of the European Parliament and of the Council of 16 December 2008)	--	--
53	Calcium arsenate	231-904-5	7778-44-1
54	Bis(2-methoxyethyl) ether	203-924-4	111-96-6
55	Aluminosilicate Refractory Ceramic fibers (fibers covered by index number 650-017-00-8 In Annex VI, part 3, table 3.1 of Regulation (EC) Number 1272/2008 of the European Parliament and of the Council of 16 December 2008)	--	--
56	Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9
57	Lead dipicrate	229-335-2	6477-64-1
58	N,N-dimethylacetamide	204-826-4	127-19-5
59	Arsenic acid	231-901-9	7778-39-4
60	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0
61	Trilead diarsenate	222-979-5	3687-31-8

62	1,2-dichloroethane	203-458-1	107-06-2
63	Pentazinc chromate octahydroxide	256-418-0	49663-84-5
64	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4
65	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8
66	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9
67	Lead diazide, Lead azide	236-542-1	13424-46-9
68	Phenolphthalein	201-004-7	77-09-8
69	Dichromium tris(chromate)	246-356-2	24613-89-6
70	Lead styphnate	239-290-0	15245-44-0
71	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4
72	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1
73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9
74	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)]	209-218-2	561-41-1
75	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5
76	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)]	229-851-8	6786-83-0
77	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8
78	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4
79	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2
80	Formamide	200-842-0	75-12-7
81	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2
82	b-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6
83	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	219-514-3	2451-62-9
84	Diboron trioxide **	215-125-8	1303-86-2
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8
87	Henicosfluoroundecanoic acid	218-165-4	2058-94-8
88	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

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 substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]</i>	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5
92	Lead dinitrate	233-245-9	10099-74-8
93	Silicic acid, lead salt	234-363-3	11120-22-2
94	4-Aminoazobenzene	200-453-6	60-09-3
95	Lead titanium zirconium oxide **	235-727-4	12626-81-2
96	Lead monoxide (lead oxide) **	215-267-0	1317-36-8
97	o-Toluidine	202-429-0	95-53-4
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2
99	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped <i>[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]</i>	272-271-5	68784-75-8
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6
101	Furan	203-727-3	110-00-9
102	N,N-dimethylformamide	200-679-5	68-12-2
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	-
104	4-Nonylphenol, branched and linear <i>[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]</i>	-	-
105	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0
106	Diethyl sulphate	200-589-6	64-67-5
107	Dimethyl sulphate	201-058-1	77-78-1
108	Lead oxide sulfate	234-853-7	12036-76-9
109	Lead titanium trioxide **	235-038-9	12060-00-3
110	Acetic acid, lead salt, basic	257-175-3	51404-69-4
111	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5
113	N-methylacetamide	201-182-6	79-16-3
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7
115	1,2-Diethoxyethane	211-076-1	629-14-1
116	Tetralead trioxide sulphate	235-380-9	12202-17-4
117	N-pentyl-isopentylphthalate	-	776297-69-9
118	Dioxobis(stearato)trilead	235-702-8	12578-12-0
119	Tetraethyllead	201-075-4	78-00-2
120	Pentalead tetraoxide sulphate	235-067-7	12065-90-6
121	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8

122	Tricosafuorododecanoic acid	206-203-2	307-55-1
123	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7
124	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5
125	Methoxyacetic acid	210-894-6	625-45-6
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7
127	Methyloxirane (Propylene oxide)	200-879-2	75-56-9
128	Trilead dioxide phosphonate	235-252-2	12141-20-7
129	o-aminoazotoluene	202-591-2	97-56-3
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4
132	Orange lead (lead tetroxide)	215-235-6	1314-41-6
133	Biphenyl-4-ylamine	202-177-1	92-67-1
134	Diisopentylphthalate	210-088-4	605-50-5
135	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3
137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7
138	Lead cyanamidate	244-073-9	20837-86-9
139	Cadmium	231-152-8	7440-43-9
140	Cadmium oxide	215-146-2	1306-19-0
141	Ammonium pentadecafluorooctanoic acid (APFO)	223-320-4	3825-26-1
142	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1
143	Dipentyl phthalate (DPP)	205-017-9	131-18-0
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 combination thereof]</i>	-	-
145	Cadmium sulphide	215-147-8	1306-23-6
146	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
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
148	Dihexyl phthalate	201-559-5	84-75-3
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7
150	Lead di(acetate)	206-104-4	301-04-2
151	Trixylyl phosphate	246-677-8	25155-23-1
152	Cadmium chloride	233-296-7	10108-64-2
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4
154	Sodium peroxometaborate	231-556-4	7632-04-4
155	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-----
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1

159	Cadmium fluoride	232-222-0	7790-79-6
160	Cadmium sulphate	233-331-6	10124-36-4 31119-53-6
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)	---	---
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)	271-094-0 272-013-1	68515-51-5 68648-93-1
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]	---	---
164	1,3-propanesultone	214-317-9	1120-71-4
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-350)	223-383-8	3864-99-1
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3
167	Nitrobenzene	202-716-0	98-95-3
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts: Ammonium salts of perfluorononan-1-oic-acid EC -- CAS 4149-60-4 Perfluorononan-1-oic-acid EC 206-801-3 CAS 375-95-1 Sodium salts of perfluorononan-1-oic-acid EC -- CAS 21049-39-8	---	---
169	Benzo[def]chrysene	200-028-5	50-32-8
170	4-4'-isopropylidenediphenol (Bisphenol-A)	201-245-8	80-05-7
171	Nonadecafluorodecanoic acid (PFDA)	206-400-3	335-76-2
172	4-tert-pentylphenol (PTAP)	201-280-9	80-46-6
173	4-heptylphenol, branched and linear (4-HPbl)	---	---
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	---	---
175	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" [™])	---	13560-89-9
176	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	---	---
177	Chrysene	205-923-4	218-01-9, 1719-03-5
178	Cadmium nitrate	233-710-6	10022-68-1, 10325-94-7
179	Cadmium hydroxide	244-168-5	21041-95-2
180	Cadmium carbonate	208-168-9	513-78-0
181	Benz[a]anthracene	200-280-6	56-55-3, 1718-53-2

Ubiquitous trace amounts which are not regulated under the REACH regulation cannot be excluded.

If you have any questions or concerns, please contact the Samtec Product Environmental Compliance Group via the following email address: PEC@samtec.com

Respectfully,

 

Mark Bobo, Corporate Director, Environmental Compliance

*REACH Regulation EC 1907/2006 of the European Parliament and of the European Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (all Articles inclusive but specifically directed to compliance with Article 33-1, 33-2, Annex XIV and Annex XVII of EC 1907/2006).

** In June 2008, the EU Commission and the Member States have come to a political compromise, that even though "Glass is the state of a substance rather than a substance as such (4th Meeting of the Competent Authorities for the implementation of Regulation (EC) 1907/2006 (REACH) 16-17 June 2008), for legislative reasons glass should be treated as a UVCB substance. A UVCB substance is a substance of "unknown or variable composition, complex reaction products or biological material. *The view of Electronic Component Industry is that "diboron trioxide (B₂O₃)" or "lead oxide (PbO, Pb₃O₄)" in glass or ceramics are not Substances of Very High Concern (SVHC). The industry also has the view that "complex oxides containing lead (lead titanium trioxide [PbTiO₃], lead titanium zirconium oxide [(Pbx Tiv Zrz) O₃]" in ceramics are not Substances of Very High Concern. For more details, refer to JEITA's position statements (24JEITA #207, #247, and #243). URL: <http://home.jeita.or.jp/ecb/ceramic.html>*

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