

## REACH CERTIFICATE OF COMPLIANCE

This letter is to assure that all products offered by Transko Electronics meet the requirements of the REACH-SVHC (Substances of Very High Concern), as specified in the table below according to the Candidate list published by ECHA (European Chemical Agency).

No	Name	CAS No	Date of Inclusion
1	Triethyl arsenate	15606-95-8	10/28/2008
2	Sodium dichromate	7789-12-0 10588-01-9	10/28/2008
3	Lead hydrogen arsenate	7784-40-9	10/28/2008
4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	10/28/2008
5	Dibutyl phthalate (DBP)	84-74-2	10/28/2008
6	Diarsenic trioxide	1327-53-3	10/28/2008
7	Diarsenic pentaoxide	1303-28-2	10/28/2008
8	Bis(tributyltin) oxide (TBTO)	56-35-9	10/28/2008
9	Benzyl butyl phthalate (BBP)	85-68-7	10/28/2008
10	Anthracene	120-12-7	10/28/2008
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	10/28/2008
12	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	10/28/2008
13	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	10/28/2008
14	Tris(2-chloroethyl)phosphate	115-96-8	1/13/2010
15	Pitch, coal tar, high temp.	65996-93-2	1/13/2010

16	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	1/13/2010
17	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	1/13/2010
18	Lead chromate	7758-97-6	1/13/2010
19	Diisobutyl phthalate	84-69-5	1/13/2010
20	Anthracene oil, anthracene-low	90640-82-7	1/13/2010
21	Anthracene oil, anthracene paste, distn. lights	91995-17-4	1/13/2010
22	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1/13/2010
23	Anthracene oil, anthracene paste	90640-81-6	1/13/2010
24	Anthracene oil	90640-80-5	1/13/2010
25	2,4-Dinitrotoluene	121-14-2	1/13/2010
26	Acrylamide	79-06-1	3/30/2010
27	Trichloroethylene	79-01-6	6/18/2010
28	Tetraboron disodium heptaoxide, hydrate	12267-73-1	6/18/2010
29	Sodium chromate	2146108	6/18/2010
30	Potassium dichromate	7778-50-9	6/18/2010
31	Potassium chromate	7789-00-6	6/18/2010
32	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	6/18/2010
33	Boric acid	10043-35-3 11113-50-1	6/18/2010
34	Ammonium dichromate	2151163	6/18/2010
35	Cobalt(II) sulphate	10124-43-3	12/15/2010
36	Cobalt(II) dinitrate	10141-05-6	12/15/2010
37	Cobalt(II) diacetate	71-48-7	12/15/2010

38	Cobalt(II) carbonate	513-79-1	12/15/2010
39	Chromium trioxide	1333-82-0	12/15/2010
40	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	7738-94-5 13530-68-2	12/15/2010
41	2-Methoxyethanol	109-86-4	12/15/2010
42	2-Ethoxyethanol	110-80-5	12/15/2010
43	Strontium chromate	2151068	6/20/2011
44	Hydrazine	302-01-2 7803-57-8	6/20/2011
45	2-Ethoxyethyl acetate	111-15-9	6/20/2011
46	1-Methyl-2-pyrrolidone (NMP)	872-50-4	6/20/2011
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	6/20/2011
48	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	6/20/2011
49	1,2,3-trichloropropane	96-18-4	6/20/2011
50	Cobalt dichloride	7646-79-9	2011/06/20 - 2008/10/28
51	Zirconia Aluminosilicate Refractory Ceramic Fibres 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		12/19/2011
52	Trilead diarsenate	3687-31-8	12/19/2011

53	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	12/19/2011
54	Phenolphthalein	77-09-8	12/19/2011
55	Pentazinc chromate octahydroxide	49663-84-5	12/19/2011
56	N,N-dimethylacetamide	127-19-5	12/19/2011
57	Lead styphnate	15245-44-0	12/19/2011
58	Lead dipicrate	6477-64-1	12/19/2011
59	Lead diazide, Lead azide	13424-46-9	12/19/2011
60	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	12/19/2011
61	Dichromium tris(chromate)	24613-89-6	12/19/2011
62	Calcium arsenate	7778-44-1	12/19/2011
63	Bis(2-methoxyethyl) phthalate	117-82-8	12/19/2011
64	Bis(2-methoxyethyl) ether	111-96-6	12/19/2011
65	Arsenic acid	7778-39-4	12/19/2011
66	Aluminosilicate Refractory Ceramic Fibres 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 ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight		12/19/2011
67	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	12/19/2011
68	2-Methoxyaniline,o-Anisidine	90-04-0	12/19/2011
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	12/19/2011

70	1,2-Dichloroethane	107-06-2	12/19/2011
71	$\alpha,\alpha$ -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	6/18/2012
72	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	6/18/2012
73	Lead(II) bis(methanesulfonate)	17570-76-2	6/18/2012
74	Formamide	75-12-7	6/18/2012
75	Diboron trioxide	1303-86-2	6/18/2012
76	[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)]	2580-56-5	6/18/2012
77	[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)]	548-62-9	6/18/2012
78	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	6/18/2012
79	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	6/18/2012
80	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	59653-74-6	6/18/2012
81	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	6/18/2012
82	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	6/18/2012
83	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)	112-49-2	6/18/2012
84	Trilead dioxide phosphonate	12141-20-7	12/19/2012
85	Trilead bis(carbonate) dihydroxide	1319-46-6	12/19/2012
86	Tricosafuorododecanoic acid	307-55-1	12/19/2012

87	Tetralead trioxide sulphate	12202-17-4	12/19/2012
88	Tetraethyllead	78-00-2	12/19/2012
89	Sulfurous acid, lead salt, dibasic	62229-08-7	12/19/2012
90	Silicic acid, lead salt	11120-22-2	12/19/2012
91	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	12/19/2012
92	Pyrochlore, antimony lead yellow	8012-00-8	12/19/2012
93	Pentalead tetraoxide sulphate	12065-90-6	12/19/2012
94	Pentacosaflluorotridecanoic acid	72629-94-8	12/19/2012
95	Orange lead (lead tetroxide)	1314-41-6	12/19/2012
96	o-Toluidine	95-53-4	12/19/2012
97	o-aminoazotoluene	97-56-3	12/19/2012
98	N-pentyl-isopentylphthalate	776297-69-9	12/19/2012
99	N-methylacetamide	79-16-3	12/19/2012
100	N,N-dimethylformamide	68-12-2	12/19/2012
101	Methyloxirane (Propylene oxide)	75-56-9	12/19/2012
102	Methoxyacetic acid	625-45-6	12/19/2012
103	Lead titanium zirconium oxide	12626-81-2	12/19/2012
104	Lead titanium trioxide	12060-00-3	12/19/2012
105	Lead oxide sulfate	12036-76-9	12/19/2012
106	Lead monoxide (lead oxide)	1317-36-8	12/19/2012

107	Lead dinitrate	10099-74-8	12/19/2012
108	Lead cyanamidate	20837-86-9	12/19/2012
109	Lead bis(tetrafluoroborate)	13814-96-5	12/19/2012
110	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	12/19/2012
111	Heptacosafuorotetradecanoic acid	376-06-7	12/19/2012
112	Henicosafuoroundecanoic acid	2058-94-8	12/19/2012
113	Furan	110-00-9	12/19/2012
114	Fatty acids, C16-18, lead salts	91031-62-8	12/19/2012
115	Dioxobis(stearato)trilead	12578-12-0	12/19/2012
116	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	12/19/2012
117	Dimethyl sulphate	77-78-1	12/19/2012
118	Diisopentylphthalate	605-50-5	12/19/2012
119	Diethyl sulphate	64-67-5	12/19/2012
120	Dibutyltin dichloride (DBTC)	683-18-1	12/19/2012
121	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	12/19/2012
122	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	12/19/2012
123	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	12/19/2012
124	Biphenyl-4-ylamine	92-67-1	12/19/2012

125	Acetic acid, lead salt, basic	51404-69-4	12/19/2012
126	[Phthalato(2-)]dioxotrilead	69011-06-9	12/19/2012
127	6-methoxy-m-toluidine (p-cresidine)	120-71-8	12/19/2012
128	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]		12/19/2012
129	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	12/19/2012
130	4-Aminoazobenzene	60-09-3	12/19/2012
131	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]		12/19/2012
132	4,4'-oxydianiline and its salts	101-80-4	12/19/2012
133	4,4'-methylenedi-o-toluidine	838-88-0	12/19/2012
134	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	12/19/2012
135	1-bromopropane (n-propyl bromide)	106-94-5	12/19/2012
136	1,2-Diethoxyethane	629-14-1	12/19/2012
137	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	12/19/2012
138	Pentadecafluorooctanoic acid (PFOA)	335-67-1	6/20/2013
139	Dipentyl phthalate (DPP)	131-18-0	6/20/2013
140	Cadmium oxide	1306-19-0	6/20/2013
141	Cadmium	7440-43-9	6/20/2013
142	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	6/20/2013
143	4-Nonylphenol, branched and linear, ethoxylated [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		6/20/2013



	homologues, which include any of the individual isomers and/or combinations thereof]		
144	Trixylyl phosphate	25155-23-1	12/16/2013
145	Lead di(acetate)	301-04-2	12/16/2013
146	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	12/16/2013
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)	1937-37-7	12/16/2013
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	12/16/2013
149	Dihexyl phthalate	84-75-3	12/16/2013
150	Cadmium sulphide	1306-23-6	12/16/2013
151	Sodium peroxometaborate	2093666	6/16/2014
152	Sodium perborate,perboric acid, sodium salt		6/16/2014
153	Cadmium chloride	10108-64-2	6/16/2014
154	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	68515-50-4	6/16/2014
155	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)		12/17/2014
156	Cadmium sulphate	10124-36-4 31119-53-6	12/17/2014
157	Cadmium fluoride	7790-79-6	12/17/2014
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	12/17/2014
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	12/17/2014
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	12/17/2014
161	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	2014/12/17; 10/28/2008

162	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]		6/15/2015
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	6/15/2015
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	12/17/2015
165	Nitrobenzene	98-95-3	12/17/2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	12/17/2015
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	12/17/2015
168	1,3-propanesultone	1120-71-4	12/17/2015

Signature:



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