

We herewith inform about the latest update on the REACH regulations. Our products including (but not limited to) components, semi-finished products, finished products, raw materials and packaging materials in compliance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and the regulations governing of REACH ANNEX XVII.

We represent that the information provided herein.

No.	Substance name	CAS No.	Declaration (ppm-mg/kg)
1	Anthracene	120-12-7	None
2	4,4'- Diaminodiphenylmethane	101-77-9	None
3	Dibutyl phthalate	84-74-2	None
4	Cobalt dichloride	7546-79-9	None
5	Diarsenic pentaoxide	1303-28-2	None
6	Diarsenic trioxide	1327-53-3	None
7	Sodium dichromate, dihydrate	7789-12-0	None
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	None
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	None
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 and 3194-55-6(134237-51-7, 134237-50-6, 134237-52-8)	None
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	None
12	Bis(tributyltin)oxide	56-35-9	None
13	Lead hydrogen arsenate	7784-40-9	None
14	Triethyl arsenate	15606-95-8	None
15	Benzyl butyl phthalate	85-68-7	None
16	Anthracene oil	90640-80-5	None
17	Anthracene oil, anthracene paste, distn. lights *	91995-17-4	None
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	None

42	2-Ethoxyethanol	203-804-1	None
43	Chromium trioxide	215-607-8	None
44	Acids generated from chromium trioxide and their oligomers:	231-801-5 236-881-5	None
45	(2-ethoxyethyl acetate)	111-15-9	None
46	(strontium chromate)	7789/6/2	None
47	(1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters)	68515-42-4	None
48	(Hydrazine)	7803-57-8	None
49	(1-methyl-2-pyrrolidone)	872-50-4	None
50	(1,2,3-trichloropropane)	96-18-4	None
51	(1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich)	71888-89-6	None
52	Zirconia Aluminosilicate Refractory Ceramic Fibres	-	None
53	Calcium arsenate	7778-44-1	None
54	Bis(2-methoxyethyl) ether	111-96-6	None
55	Aluminosilicate Refractory Ceramic Fibres	-	None
56	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	None
57	Lead dipicrate	6477-64-1	None
58	N,N-dimethylacetamide	127-19-5	None
59	Arsenic acid	7778-39-4	None
60	2-Methoxyaniline; o-Anisidine	90-04-0	None
61	Trilead diarsenate	3687-31-8	None
62	1,2-dichloroethane	107-06-2	None
63	Pentazinc chromate octahydroxide	49663-84-5	None
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	None
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	None
66	Bis(2-methoxyethyl) phthalate		

	Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	None
86	Pentacosafuorotridecanoic acid	72629-94-8	None
87	Tricosafuorododecanoic acid	307-55-1	None
88	Henicosafuoroundecanoic acid	2058-94-8	None
89	Heptacosafuorotetradecanoic acid	376-06-7	None
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	None
91	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	-	None
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	None
93	Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride,trans-cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7, 13149-00-3, 14166-21-3	None
94	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	None
95	Methoxy acetic acid	625-45-6	None
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	None
97	Diisopentylphthalate	605-50-5	None
98	N-pentyl-isopentylphthalate	776297-69-9	None
99	1,2-Diethoxyethane	629-14-1	None
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	None
101	Dibutyltin dichloride (DBTC		

130	4,4'-oxydianiline and its salts	101-80-4	None
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	None
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	None
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	None
134	Biphenyl-4-ylamine	92-67-1	None
135	o-aminoazotoluene	97-56-3	None
136	o-Toluidine; 2-Aminotoluene	95-53-4	None
137	N-methylacetamide	79-16-3	None
138	1-bromopropane	106-94-5	None
139	Cadmium	7440-43-9	<100ppm
140	Cadmium oxide	1306-19-0	None
141	Ammonium pentadecafluorooctanoate	3825-26-1	None
142	Pentadecafluorooctanoic acid	335-67-1	None
143	Dipentyl phthalate	131-18-0	None
144	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 homologues, which include any of the individual isomers and/or combinations thereof]	-	None
145	Cadmium sulphide	1306-23-6	None
146	Diethyl phthalate	84-75-3	None
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	None
148	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	None
149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-4	

166	2-(2H-Benzotriazol-2-yl)-4-(<i>tert</i> -butyl)-6-(<i>sec</i> -butyl)phenol (UV-350)	36437-37-3	None
167	1,3-Propanesultone	1120-71-4	None
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	None
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	None
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	None
171	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]	-	None
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	335-76-2 3108-42-7 3830-45-3	None
173	p-(1,1-dimethylpropyl)phenol	80-46-6	None
174	Perfluorohexane-1-sulphonic acid and its salts	-	None
175	Chrysene	218-01-9	None
176	Benz[a]anthracene	56-55-3	None
177	Cadmium nitrate	10325-94-7	None
178	Cadmium hydroxide	21041-95-2	None
179	Cadmium carbonate	513-78-0	None
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	None
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]	-	None
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)		

202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	None
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	None
204	Diisohexyl phthalate	71850-09-4	None
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	None
206	1-vinylimidazole	1072-63-5	None
207	2-methylimidazole	693-98-1	None
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	None
209	Butyl 4-hydroxybenzoate(Butylparaben)	94-26-8	None
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	None
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	None
212	1,4-dioxane	123-91-1	None
213	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,2-bis(bromomethyl)propane-1,3-diol (BMP) 2,3-dibromo-1-propanol (2,3-DBPA)	36483-57-5 1522-92-5 3296-90-0 96-13-9	None
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers (2R)-3-(4-tert-butylphenyl)-2-methylpropanal 2-(4-tert-butylbenzyl)propionaldehyde (2S)-3-(4-tert-butylphenyl)-2-methylpropanal	75166-31-3 80-54-6 75166-30-2	None
215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	None
216	glutaral	111-30-8	None
217	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17 - Alkanes, C14-16, chloro - Alkanes, C14-17, chloro - di-, tri- and tetrachlorotetradecane - Tetradecane, chloro derivs.	1372804-76-6 85535-85-9 - 198840-65-2	None
218	orthoboric acid, sodium salt - boric acid (H3BO3), sodium salt, hydrate - Boric acid (H3BO3), disodium salt - Trisodium orthoborate - Boric acid, sodium salt - Orthoboric acid, sodium salt - Boric acid (H3BO3), sodium salt (1:1)	25747-83-5 22454-04-2 14312-40-4 1333-73-9 13840-56-7 14890-53-0	None
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) - Phenol, dodecyl-, branched - Phenol, (tetrapropenyl) derivatives - Phenol, 4-dodecyl, branched 4-isododecylphenol - Phenol, tetrapropylene- - Phenol, 4-isododecyl-	121158-58-5 74499-35-7 210555-94-5 27459-10-5 57427-55-1 27147-75-7	None
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	None

221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	None
222	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	None
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	None
224	N-(hydroxymethyl)acrylamide	924-42-5	None
225	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	37853-59-1	None
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	None
227	4,4'-sulphonyldiphenol	80-09-1	None
228	Barium diboron tetraoxide	13701-59-2	None
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof ◆ Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	None
230	Isobutyl 4-hydroxybenzoate	4247-02-3	None
231	Melamine	108-78-1	None
232	Perfluoroheptanoic acid and its salts ◆ Ammonium perfluoroheptanoate ◆ potassium perfluoroheptanoate ◆ Perfluoroheptanoic acid ◆ Sodium perfluoroheptanoate	6130-43-4 21049-36-5 375-85-9 20109-59-5	None
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	None
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	None
235	Bis(4-chlorophenyl) sulphone	80-07-9	None

The latest **235** substances subject to analysis per the REACH Regulation were last updated on **14 June 2023**

Please refer to the following for the most current candidate list of substances: <https://www.echa.europa.eu/candidate-list-table>.

Additional information on the European Union's REACH regulation can be found here:

<https://echa.europa.eu/regulations/reach/understanding-reach>

Note1. : COMMISSION REGULATION (EU) 2015/628 of 22 April 2015 amended Annex XVII of Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals ('REACH') regarding lead and its compounds.

In Annex XVII of Regulation (EC) No 1907/2006, column 2 _8.(k) iv of entry 63 is amended as: Guaranteed according to Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (OJ L 174, 1.7.2011, p. 88).'

The material copper alloy of our products contains SHVC lead >1000ppm, please refer to below table.

Material name	Contains SHVC	Concentration (ppm)	Where does SVHC exist in the product?
C3604 Brass	Lead	18000~37000	Please see the parts list on the Chin Nan drawing. Among the connector parts made use copper alloy ,include Center contact、 Body、 Cap、 Chassis、 Nut、 Shell、 Sleeve、 Washer、 Square flange...etc.. Lead present in copper alloy material, and the outer layer of the product is gold-plated or nickel-plated, normally it is not able to be directly touched by user.
C17300 Beryllium Copper	Lead	2000~4000	
C5441 Phosphor Bronze	Lead	35000~40000	

Company Name : Chin Nan® Precision Electronics Co., Ltd.

Signature: 

Title: GP Dept. Manager

Date : 30 June, 2023