



康揚企業股份有限公司

KANG YANG HARDWARE ENTERPRISES CO.,LTD.

新北市汐止區環河街187號

NO.187,HUANHE ST.,XIZHI DIST.,NEW
TAIPEI CITY 22154,TAIWAN

TEL:886-2-2692-1498 FAX:886-2-2692-2498

ISO 9001

ISO 14001

QC 080000

REACH SVHC Declaration

Supplier: KANG YANG HARDWARE ENTERPRISES CO., LTD.

Customer: Anglia

Part No: As page 7

Does material/part contain any of the REACH SVHC
above 1000 ppm?

Yes No

If Yes, please list* the substances:

Material	Substance	CAS Number	Proportion (%/ppm)	Purpose of use

Number	CAS Number	EC Number	Chemical Name
1	120-12-7	204-371-1	Anthracene
2	101-77-9	202-974-4	4,4'- Diaminodiphenylmethane (MDA)
3	84-74-2	201-557-4	Dibutyl phthalate (DBP)
4	7646-79-9	231-589-4	Cobalt dichloride
5	1303-28-2	215-116-9	Diarsenic pentaoxide
6	1327-53-3	215-481-4	Diarsenic trioxide
7	10588-01-9,	234-190-3	Sodium dichromate
	7789-12-0		
8	81-15-2	201-329-4	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)
9	117-81-7	204-211-0	Bis (2-ethylhexyl)phthalate (DEHP)
10	-	-	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified
	134237-50-6	-	alpha-hexabromocyclododecane
	134237-51-7	-	beta-hexabromocyclododecane
	134237-52-8	-	gamma-hexabromocyclododecane
	25637-99-4	247-148-4	Hexabromocyclododecane (HBCDD)
	3194-55-6	221-695-9	1,2,5,6,9,10-hexabromocyclodecane
11	85535-84-8	287-476-5	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
12	56-35-9	200-268-0	Bis(tributyltin) oxide (TBTO)
13	7784-40-9	232-064-2	Lead hydrogen arsenate
14	15606-95-8	427-700-2	Triethyl arsenate
15	85-68-7	201-622-7	Benzyl butyl phthalate (BBP)
16	121-14-2	204-450-0	2,4-dinitrotoluene (2,4-DNT)
17	90640-80-5	292-602-7	Anthracene oil
18	91995-17-4	295-278-5	Anthracene oil, anthracene paste, distr. lights
19	91995-15-2	295-275-9	Anthracene oil, anthracene paste, anthracene fraction
20	90640-82-7	292-604-8	Anthracene oil, anthracene-low

21	90640-81-6	292-603-2	Anthracene oil, anthracene paste
22	84-69-5	201-553-2	Diisobutyl phthalate (DiBP)
23	7758-97-6	231-846-0	Lead chromate
24	12656-85-8	235-759-9	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
25	1344-37-2	215-693-7	Lead sulfochromate yellow (C.I. Pigment Yellow 34)
26	1979/6/1	201-173-7	Acrylamide
27	115-96-8	204-118-5	Tris(2-chloroethyl) phosphate
28	65996-93-2	266-028-2	Pitch, coal tar, high-temp.
29	1979/1/6	201-167-4	Trichloroethylene
30	10043-35-3	233-139-2	Boric acid
	11113-50-1	234-343-4	Boric acid, crude natural
31	12179-04-3,	215-540-4	Disodium tetraborate, anhydrous
	1303-96-4,		
	1330-43-4		
32	12267-73-1	235-541-3	Tetraboron disodium heptaoxide, hydrate
33	7775/11/3	231-889-5	Sodium chromate
34	7789-00-6	232-140-5	Potassium chromate
35	7789/9/5	232-143-1	Ammonium dichromate
36	7778-50-9	231-906-6	Potassium dichromate
37	10124-43-3	233-334-2	Cobalt(II) sulphate
38	10141-05-6	233-402-1	Cobalt(II) dinitrate
39	513-79-1	208-169-4	Cobalt(II) carbonate
40	71-48-7	200-755-8	Cobalt(II) diacetate
41	109-86-4	203-713-7	2-methoxyethanol
42	110-80-5	203-804-1	2-ethoxyethanol
43	1333-82-0	215-607-8	Chromium trioxide
44	-	-	Acids generated from chromium trioxide and their oligomers :
	7738-94-5	236-881-5	Dichromic acid
	13530-68-2	231-801-5	Chromic acid
	-	-	Oligomers of chromic acid and dichromic acid
45	111-15-9	203-839-2	2-ethoxyethyl acetate
46	7789/6/2	232-142-6	Strontium chromate
47	68515-42-4	271-084-6	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)
48	302-01-2,	206-114-9	Hydrazine
	7803-57-8		
49	872-50-4	212-828-1	1-Methyl-2-pyrrolidone (NMP)
50	96-18-4	202-486-1	1,2,3-trichloropropane
51	71888-89-6	276-158-1	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)
52	24613-89-6	246-356-2	Dichromium tris(chromate)
53	11103-86-9	234-329-8	Potassium hydroxyoctaoxodizincatedichromate
54	49663-84-5	256-418-0	Pentazinc chromate octahydroxide
55	-	650-017-00-8	Aluminosilicate Refractory Ceramic Fibres (RCF)
56	-	650-017-00-8	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)
57	25214-70-4	500-036-1	Formaldehyde, oligomeric reaction products with aniline (technical MDA)
58	117-82-8	204-212-6	Bis(2-methoxyethyl) phthalate (DMEP, BMEP)
59	90-04-0	201-963-1	2-Methoxyaniline, o-Anisidine
60	140-66-9	205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol
61	107-06-2	203-458-1	1,2-dichloroethane
62	111-96-6	203-924-4	Bis(2-methoxyethyl) ether

63	7778-39-4	231-901-9	Arsenic acid
64	7778-44-1	231-904-5	Calcium arsenate
65	3687-31-8	222-979-5	Trilead diarsenate
66	127-19-5	204-826-4	N,N-dimethylacetamide (DMAC)
67	101-14-4	202-918-9	2,2'-dichloro-4,4'-methylenedianiline (MOCA)
68	1977/9/8	201-004-7	Phenolphthalein
69	13424-46-9	236-542-1	Lead diazide, Lead azide
70	15245-44-0	239-290-0	Lead styphnate
71	6477-64-1	229-335-2	Lead dipicrate
72	112-49-2	203-977-3	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)
73	110-71-4	203-794-9	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)
74	1303-86-2	215-125-8	Diboron trioxide
75	1975/12/7	200-842-0	Formamide
76	17570-76-2	401-750-5	Lead(II) bis(methanesulfonate)
77	2451-62-9	219-514-3	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)
78	59653-74-6	423-400-0	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)
79	90-94-8	202-027-5	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
80	101-61-1	202-959-2	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
81	2580-56-5	219-943-6	[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)
82	548-62-9	208-953-6	[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)
83	561-41-1	209-218-2	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)
84	6786-83-0	229-851-8	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)
85	1163-19-5	214-604-9	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
86	72629-94-8	276-745-2	Pentacosafuorotridecanoic acid (PFTrDA)
87	307-55-1	206-203-2	Tricosafuorododecanoic acid (PFDoA)
88	2058-94-8	218-165-4	Henicosafuoroundecanoic acid (PFUdA)
89	376-06-7	206-803-4	Heptacosafuorotetradecanoic acid (PFTeDA)
90	123-77-3	204-650-8	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
91	-	-	Cyclohexane-1,2-dicarboxylic anhydride
			all possible combinations of the cis- and trans-isomers
	13149-00-3	236-086-3	cis-cyclohexane-1,2-dicarboxylic anhydride
	14166-21-3	238-009-9	trans-cyclohexane-1,2-dicarboxylic anhydride
	85-42-7	201-604-9	Cyclohexane-1,2-dicarboxylic anhydride
92	-	-	Hexahydromethylphthalic anhydride
			including cis- and trans- stereo isomeric forms and all possible combinations of the isomers
	48122-14-1	256-356-4	Hexahydro-1-methylphthalic anhydride
	25550-51-0	247-094-1	Hexahydromethylphthalic anhydride
	19438-60-9	243-072-0	Hexahydro-4-methylphthalic anhydride
	57110-29-9	260-566-1	Hexahydro-3-methylphthalic anhydride
93	-	-	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
94	-	-	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
			covering well-defined substances and UVCB substances, polymers and homologues
95	625-45-6	210-894-6	Methoxyacetic acid
96	1968/12/2	200-679-5	N,N-dimethylformamide (DMFA)
97	683-18-1	211-670-0	Dibutyltin dichloride (DBTC)
98	1317-36-8	215-267-0	Lead monoxide (lead oxide)
99	1314-41-6	215-235-6	Orange lead (lead tetroxide)
100	13814-96-5	237-486-0	Lead bis(tetrafluoroborate)
101	1319-46-6	215-290-6	Trilead bis(carbonate) dihydroxide
102	12060-00-3	235-038-9	Lead titanium trioxide
103	12626-81-2	235-727-4	Lead titanium zirconium oxide
104	11120-22-2	234-363-3	Silicic acid, lead salt
105	68784-75-8	272-271-5	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped
106	106-94-5	203-445-0	1-bromopropane (n-propyl bromide)
107	75-56-9	200-879-2	Methyloxirane (Propylene oxide)
108	84777-06-0	284-032-2	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear (PiPP)
109	605-50-5	210-088-4	Diisopentyl phthalate (DiPP)
110	776297-69-9	-	N-pentyl-isopentylphthalate (PiPP)
111	629-14-1	211-076-1	1,2-diethoxyethane
112	51404-69-4	257-175-3	Acetic acid, lead salt, basic
113	12036-76-9	234-853-7	Lead oxide sulfate
114	69011-06-9	273-688-5	[Phthalato(2-)]dioxotrilead
115	12578-12-0	235-702-8	Dioxobis(stearato)trilead
116	91031-62-8	292-966-7	Fatty acids, C16-18, lead salts
117	20837-86-9	244-073-9	Lead cyanamidate
118	10099-74-8	233-245-9	Lead dinitrate
119	12065-90-6	235-067-7	Pentalead tetraoxide sulphate
120	8012-00-8	232-382-1	Pyrochlore, antimony lead yellow (C.I. Pigment Yellow 41)
121	62229-08-7	263-467-1	Sulfurous acid, lead salt, dibasic
122	78-00-2	201-075-4	Tetraethyllead
123	12202-17-4	235-380-9	Tetralead trioxide sulphate
124	12141-20-7	235-252-2	Trilead dioxide phosphonate
125	110-00-9	203-727-3	Furan
126	64-67-5	200-589-6	Diethyl sulphate
127	77-78-1	201-058-1	Dimethyl sulphate
128	143860-04-2	421-150-7	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
129	88-85-7	201-861-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)
130	838-88-0	212-658-8	4,4'-methylenedi-o-toluidine
131	101-80-4	202-977-0	4,4'-oxydianiline and its salts
132	1960/9/3	200-453-6	4-aminoazobenzene
133	95-80-7	202-453-1	4-methyl-m-phenylenediamine (toluene-2,4-diamine)
134	120-71-8	204-419-1	6-methoxy-m-toluidine (p-cresidine)
135	92-67-1	202-177-1	Biphenyl-4-ylamine
136	97-56-3	202-591-2	o-aminoazotoluene
137	95-53-4	202-429-0	o-toluidine
138	79-16-3	201-182-6	N-methylacetamide
139	7440-43-9	231-152-8	Cadmium
140	1306-19-0	215-146-2	Cadmium oxide

141	3825-26-1	223-320-4	Ammonium pentadecafluorooctanoate (APFO)
142	335-67-1	206-397-9	Pentadecafluorooctanoic acid (PFOA)
143	131-18-0	205-017-9	Dipentyl phthalate (DPP)
144	-	-	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
145	1306-23-6	215-147-8	Cadmium sulphide
146	84-75-3	201-559-5	Dihexyl phthalate
147	573-58-0	209-358-4	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
148	1937-37-7	217-710-3	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)
149	96-45-7	202-506-9	Imidazolidine-2-thione (2-imidazoline-2-thiol)
150	301-04-2	206-104-4	Lead di(acetate)
151	25155-23-1	246-677-8	Trixylyl phosphate
152	68515-50-4	271-093-5	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
153	11138-47-9	234-390-0	Perboric acid, sodium salt
	15120-21-5	239-172-9	Sodium perborate
154	7632/4/4	231-556-4	Sodium peroxometaborate
155	10108-64-2	233-296-7	Cadmium chloride
156	7790-79-6	232-222-0	Cadmium fluoride
157	10124-36-4,	233-331-6	Cadmium sulphate
	31119-53-6		
158	3846-71-7	223-346-6	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
159	25973-55-1	247-384-8	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
160	15571-58-1	239-622-4	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)
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	68648-93-1	272-013-1	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	271-094-0	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)
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	98-95-3	202-716-0	Nitrobenzene
165	3864-99-1	223-383-8	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
166	36437-37-3	253-037-1	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
167	1120-71-4	214-317-9	1,3-propanesultone
168	-	-	Perfluorononan-1-oic-acid and its sodium and ammonium salts
	375-95-1	206-801-3	Perfluorononan-1-oic-acid
	21049-39-8	-	Sodium salts of perfluorononan-1-oic-acid
	4149-60-4	-	Ammonium salts of perfluorononan-1-oic-acid
169	50-32-8	200-028-5	Benzo[def]chrysene (Benzo[a]pyrene)
170	1980/5/7	201-245-8	4,4'-isopropylidenediphenol
			(Bisphenol A; BPA)
171	-	-	4-heptylphenol, branched and linear (4-HPbl)
172	-	-	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
	335-76-2	206-400-3	Nonadecafluorodecanoic acid
	3830-45-3	-	Decanoic acid, nonadecafluoro-, sodium salt

	3108-42-7	221-470-5	Ammonium nonadecafluorodecanoate
173	80-46-6	201-280-9	p-(1,1-dimethylpropyl)phenol (PTAP)
174	355-46-4	206-587-1	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)
175	-	-	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)
176	218-01-9, 1719-03-5	205-923-4	Chrysene
177	10022-68-1, 10325-94-7	233-710-6	Cadmium nitrate
178	21041-95-2	244-168-5	Cadmium hydroxide
179	513-78-0	208-168-9	Cadmium carbonate
180	56-55-3, 1718-53-2	200-280-6	Benz[a]anthracene
181	-	-	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)
182	61788-32-7	262-967-7	Terphenyl, hydrogenated
183	556-67-2	209-136-7	Octamethylcyclotetrasiloxane (D4)
184	7439-92-1	231-100-4	Lead
185	107-15-3	203-468-6	Ethylenediamine (EDA)
186	540-97-6	208-762-8	Dodecamethylcyclohexasiloxane (D6)
187	12008-41-2	234-541-0	Disodium octaborate
188	84-61-7	201-545-9	Dicyclohexyl phthalate (DCHP)
189	541-02-6	208-764-9	Decamethylcyclopentasiloxane (D5)
190	191-24-2	205-883-8	Benzo[ghi]perylene
191	552-30-7	209-008-0	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)
192	6807-17-6	401-720-1	2,2-bis(4'-hydroxyphenyl)-4-methylpentane
193	207-08-9	205-916-6	Benzo[k]fluoranthene
194	206-44-0	205-912-4	Fluoranthene
195	1985/1/8	201-581-5	Phenanthrene
196	129-00-0	204-927-3	Pyrene
197	15087-24-8	239-139-9	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)
196	129-00-0	204-927-3	Pyrene
197	15087-24-8	239-139-9	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)
198	-	-	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)
199	98-54-4	203-772-9	4-tert-butylphenol
200	110-49-6	202-679-0	2-methoxyethyl acetate
201	-	-	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof

No REACH substance(<0.1 wt% (1000ppm)) of 1-21 public very high concern materials in the List overleaf are intentionally added.

If there is any question you may have, please feel free contact us for further assistance.

Signature Tien Shao Date : 2019/09/24
Name (print) : Tien Shao (Environmental management representative)
Title : Part Engineering Department/ Section Chief



Part No:

3-10	LCA-10	PC1108
3-4	LCEO-22	PC187(0.8)
3-5	LCS-9	PC1L250
4-5	LED-22*	PC250
4-6	LED-6.5	PCB-1
ASS-6(3M)	LED-7.5	PCF250
BS-12	LEDH-10	PTV1-12
BS-6	LEDH-11	PTV2-12
BSS-6(3M)	LEDH-2	RF-019
BV2	LEDH-3	RF-1220
CM-19S(3M)	LEDH-3.5	RNB1-3.2
E0508(W)	LEDH-4	RNBS1-4
E7508(BU)	LEDH-5	RV1-5
E7508(W)	LEDH-6	RV2-6
FDD1-187(5)	LEDH-6.5	RVS1-4
FDD2-250	LEDH-6.5(N	RVS2-5
FDFD1-110(5)	LEDH-7	SF-005
FDFD1-187(5)	LEDS-13	SR3.5-5.5
FDFD1-250	LEDS-3	SR3-5.5
FDFD2-250	LEDS-4.5	SV1-3.2
FDFD5-250	LEDS-5	SVS1-4
FLDNY1-250	M09S	SVS2-4
HP-10	MADA-5	TO-3P
HP-12A	MDD2-250	TP-10
HP-13.5	MSP-3	TP-15
HP-22	MU-03-3	TP4-10
HP-30	PBDD2-250	WS3-8