

# PCCABLES.COM INC.

Regarding guarantee of products consisted with SVHC

For all the products we send to your company including packaging material and protective material, in addition to the exclusion provision of REACH law items, the rests are in compliance with the REACH (SVHC) requirements. The concentration is less than 0.1% by weight per article of any substance on the SVHC list. If we fail to meet the requirement, any your losses we will undertake the relative responsibility.

## REACH 161 Substance List

序號	物質名	物質名	CAS NO.	最大限值
1	1,1'-氧二 (2-氯乙烷)	Bis(2-methoxyethyl) ether	111-96-6	1000PPM
2	1,2,3-三氯丙烷; 三甲苯磷酸酯	1,2,3-Trichloropropane	96-18-4	1000PPM
3	1, 2-二 (2-甲氧基乙氧基) 乙烷	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	1000PPM
4	1, 2-二氯乙烷	1,2-dichloroethane	107-06-2	1000PPM
5	2-甲氧基苯胺; 邻甲氧基苯胺	2-Methoxyaniline; o-Anisidine	90-04-0	1000PPM
6	2,4-二硝基甲苯	2,4-Dinitrotoluene	121-14-2	1000PPM
7	2-乙氧基乙醇	2-Ethoxyethanol	110-80-5	1000PPM
8	2-甲氧基乙醇	2-Methoxyethanol	109-86-4	1000PPM
9	3,3'-二氯-4,4'-二氨基二苯基甲烷 (MOCA)	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	1000PPM
10	4- (1,1,3,3-四甲基丁基) 苯酚	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	1000PPM
11	4, 4- (對二甲氨基) 二苯基甲烷 (米氏碱)	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler 's base)	101-61-1	1000PPM
12	4, 4'-二氨基二苯基甲烷;	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	1000PPM
13	4,4-二 (N, N-二甲氨基) 二苯甲酮 (米氏酮)	4,4'-bis(dimethylamino)benzophenone (Michler 's ketone)	90-94-8	1000PPM
14	a,a-二{ (二甲氨基) 苯基}-4-甲氨基甲醇	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	1000PPM
15	C.I.溶劑藍4	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-ol (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)]	6706-83-0	1000PPM
16	C.I.碱性紫3	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-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	1000PPM
17	C.I.碱性藍26	[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	1000PPM
18	NN-二甲基乙酰胺	N,N-dimethylacetamide	127-19-5	1000PPM
19	N-甲基吡咯烷酮	1-Methyl-2-pyrrolidone	872-50-4	1000PPM
20	乙二醇二甲醚	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	1000PPM
21	乙酸乙二酯; 2-乙氧基乙基乙酸酯; 乙	2-Ethoxyethyl acetate	111-15-9	1000PPM
22	七氧化二钠四硼, 水合物	Tetraboron disodium heptaoxide, hydrate	12267-73-1	1000PPM
23	二甲苯麝香	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	1000PPM
24	三乙砷酸酯	Triethyl arsenate	15606-95-8	1000PPM
25	三丁基氧化锡;	Bis(tributyltin)oxide (TBTO)	56-35-9	1000PPM
26	三氧化二砷	Diarsenic trioxide	1327-53-3	1000PPM
27	三氧化二硼	Diboron trioxide	1303-86-2	1000PPM
28	三氧化二铬及其低聚物产生的酸	Acids generated from chromium trioxide and their oligomers, of the same acids and	17738-94-5	1000PPM
29	三氧化铬 (VI)	Chromium trioxide	1333-82-0	1000PPM
30	三氯乙烯; 乙炔化三氯	Acrylamide	79-01-6	1000PPM
31	三硝基间苯二酚	Lead styphnate	15245-44-0	1000PPM
32	三铬铬合金 (铬酸盐)	Dichromium tris(chromate)	24613-89-6	1000PPM
33	五氧化二砷	Diarsenic pentaoxide	1303-28-2	1000PPM
34	六溴环十二烷(混合异构体)	Hexabromocyclododecane (HBCDD) and all major diastereoisomers	25637-99-4	1000PPM
35	丙烯酰胺	Acrylamide	79-06-1	1000PPM
36	甲基磺酸铅	Lead(II) bis(methanesulfonate)	17570-76-2	1000PPM
37	甲醛、苯胺和低聚体的反应生成物	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	1000PPM
38	甲酰胺	Formamide	75-12-7	1000PPM
39	苦味酸铅	Lead dipicrate	6477-64-1	1000PPM
40	重铬酸钠无水物, 重铬酸钠二水合物	Sodium dichromate	10588-01-9	1000PPM
41	重铬酸钾; 红矾钾; 二铬酸钾	Potassium dichromate	7778-50-9	1000PPM
42	重铬酸铵; 红矾铵; 阿莫尼红矾	Ammonium dichromate	7789-09-5	1000PPM
43	砷酸	Arsenic acid	7778-39-4	1000PPM
44	砷酸钙	Calcium arsenate	7778-44-1	1000PPM
45	砷酸铅	Trilead diarsenate	3687-31-8	1000PPM
46	異氰尿酸三縮水甘油酯	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-triol (TG)	2451-62-9	1000PPM
47	異氰脲酸B-三縮水甘油酯	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazinane-2,4,6-trione ( $\beta$ -TGIC)	59653-74-6	1000PPM
48	硫酸钼铬酸铅	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	1000PPM
49	酚酞	Phenolphthalein	77-09-8	1000PPM
50	短链氯化石蜡 (C = 10 ~ 13);	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	1000PPM
51	煤焦油沥青	Pitch, coal tar, high temp.	65996-93-2	1000PPM

52	硼酸	Boric acid	10043-35-3	1000PPM
53	酸式砷酸	Lead hydrogen arsenate	7784-40-9	1000PPM
54	氯化钴 (I I)	Cobalt dichloride	7646-79-9	1000PPM
55	硝酸钴 (II)	Cobalt(II) dinitrate	10141-05-6	1000PPM
56	硫酸钴 (II)	Cobalt(II) sulphate	10124-43-3	1000PPM
57	碳酸钴 (II)	Cobalt(II) carbonate	513-79-1	1000PPM
58	醋酸钴 (II)	Cobalt(II) diacetate	71-48-7	1000PPM
59	磷酸三(2-氯乙基)酯	Tris(2-chloroethyl)phosphate	115-96-8	1000PPM
60	叠氮化铅	Lead diazide, Lead azide	13424-46-9	1000PPM
61	无水四硼酸钠	Disodium tetraborate, anhydrous	1303-96-4	1000PPM
62	氢氧化铬酸锌	Pentazinc chromate octahydroxide	49663-84-5	1000PPM
63	羟基酸 锌酸 重铬酸钾	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	1000PPM
64	肼; 无水联胺	Hydrazine	7803-57-8	1000PPM
65	蒽; 多环芳烃; 绿油脑	Anthracene	120-12-7	1000PPM
66	蒽油	Anthracene oil	90640-80-5	1000PPM
67	蒽油, 低蒽; 蒽油馏分	Anthracene oil, anthracene-low	90640-82-7	1000PPM
68	蒽油, 蒽糊, 蒸馏轻油; 蒽油馏分	Anthracene oil, anthracene paste, distn. lights	91995-17-4	1000PPM
69	蒽油, 蒽糊, 蒽馏分; 蒽油馏分	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1000PPM
70	蒽油, 蒽糊; 蒽油馏分	Anthracene oil, anthracene paste	90640-81-6	1000PPM
71	邻苯二甲酸丁基苄基酯;	Benzyl butyl phthalate (BBP)	85-68-7	1000PPM
72	邻苯二甲酸二(2-乙基己基)酯);	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	1000PPM
73	邻苯二甲酸二(C7-11支链与直链)烷基酯	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	1000PPM
74	邻苯二甲酸二C6-8支链烷基酯(富C7)	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7	71888-89-6	1000PPM
75	邻苯二甲酸二丁酯;	Dibutyl phthalate (DBP)	84-74-2	1000PPM
76	邻苯二甲酸二甲氧乙酯	Bis(2-methoxyethyl) phthalate	117-82-8	1000PPM
77	邻苯二甲酸二异丁酮(DIBP)	Diisobutyl phthalate	84-69-5	1000PPM
78	铬酸钠	Sodium chromate	7775-11-3	1000PPM
79	铬酸钾	Potassium chromate	7789-00-6	1000PPM
80	铬酸铅	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	1000PPM
81	铬酸铅 (II)	Lead chromate	7758-97-6	1000PPM
82	铬酸锶	Strontium chromate	7789-06-2	1000PPM
83	氧化锆硅酸铝耐火陶瓷纤维	Zirconia Aluminosilicate Refractory Ceramic Fibres		1000PPM
84	硅酸铝耐火陶瓷纤维	Aluminosilicate Refractory Ceramic Fibres		1000PPM
85	十溴联苯醚	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	1000PPM
86	全氟十三酸	Pentacosafuorotridecanoic acid	72629-94-8	1000PPM
87	全氟十二烷酸	Tricosafuorododecanoic acid	307-55-1	1000PPM
88	全氟十一烷酸	Henicosafuoroundecanoic acid	2058-94-8	1000PPM
89	全氟十四酸	Heptacosafuorotetradecanoic acid	376-06-7	1000PPM
90	辛基酚聚醚-9	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated covering well-defined substances and UVCB substances, polymeric analogues		1000PPM
91	壬基酚	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a number of 9 covalently bound in position 4 to phenol, covering also UVCB defined substances which include all the individual isomers or a combination thereof		1000PPM
92	偶氮二甲酰胺	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	1000PPM
93	六氢邻苯二甲酸酐	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	1000PPM
94	甲基六氢苯酐, 4-甲基六氢苯酐, 甲基六氢邻苯二甲酸酐, 3-甲基六氢苯二甲酸酐	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9	1000PPM
95	甲氧基乙酸	Methoxy acetic acid	625-45-6	1000PPM
96	支链和直链1, 2-苯二羧二戊酯	1,2-Benzenedicarboxylic acid, nonyl ester isomers	84777-06-0	1000PPM
97	邻苯二甲酸二异戊酯	Diisopentylphthalate (DIPP)	605-50-5	1000PPM
98	邻苯二甲酸正戊基异戊基酯	N-pentyl-isopentylphthalate	-	1000PPM
99	乙二醇二乙醚	1,2-Diethoxyethane	629-14-1	1000PPM
100	N,N-二甲基甲酰胺	N,N-dimethylformamide; dimethyl formamide	1968-12-2	1000PPM
101	二丁基锡	Dibutyltin dichloride (DBT)	683-18-1	1000PPM
102	碱式乙酸铅	Acetic acid, lead salt, basic	51404-69-4	1000PPM
103	碱式碳酸铅	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	19-46-8	1000PPM
104	碱式硫酸铅	Lead oxide sulfate (basic lead sulfate)	12036-76-9	1000PPM
105	二盐基邻苯二甲酸铅	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	011-00-9	1000PPM
106	双(十八烷基)三氧化二铅	Dioxobis(stearato)trilead	12578-12-0	1000PPM
107	C16-18-脂肪酸铅盐	Fatty acids, C16-18, lead salts	91031-62-8	1000PPM
108	氟硼酸铅	Lead bis(tetrafluoroborate)	13814-96-5	1000PPM
109	氨基氰铅盐	Lead cyanamidate	20837-86-9	1000PPM
110	硝酸铅	Lead dinitrate	10099-74-8	1000PPM
111	氧化铅	Lead oxide (lead monoxide)	1317-36-8	1000PPM
112	四氧化三铅	Lead tetroxide (orange lead)	1314-41-6	1000PPM
113	钛酸铅	Lead titanium trioxide	12060-00-3	1000PPM
114	钛酸铅锆	Lead Titanium Zirconium Oxide	12626-81-2	1000PPM
115	氧化铅与硫酸铅的复合物	Pentalead tetraoxide sulphate	12065-90-6	1000PPM
116	颜料黄	Pyrochlore, antimony lead yellow	8012-00-8	1000PPM
117	铅掺杂的硅钡酸盐	Silicic acid, barium salt, lead-doped	68784-75-8	1000PPM
118	硅酸铅	Silicic acid, lead salt	11120-22-2	1000PPM
119	亚硫酸铅 (II)	Sulfurous acid, lead salt, dibasic	62229-08-7	1000PPM
120	四乙基铅	Tetraethyllead	78-00-2	1000PPM
121	三碱式硫酸铅	Tetralead trioxide sulphate	12202-17-4	1000PPM
122	磷酸氧化铅	Trilead dioxide phosphonate	12141-20-7	1000PPM
123	呋喃	Furan	110-00-9	1000PPM
124	环氧丙烷	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	1000PPM
125	硫酸二乙酯	Diethyl sulphate	64-67-5	1000PPM
126	硫酸二甲酯	Dimethyl sulphate	77-78-1	1000PPM
127	1,3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	3-ethyl-2-methyl-2-(3-methylbutyl)oxazolidine	143860-04-2	1000PPM
128	地乐酚	Dinoseb	88-85-7	1000PPM
129	1,4,4'-二氨基-3,3'-二甲基二苯甲烷	4,4'-methylenedi-o-toluidine	838-88-0	1000PPM
130	4,4'-二氨基二苯醚	4,4'-oxydianiline and its salts	101-80-4	1000PPM
131	对氨基偶氮苯	4-Aminoazobenzene; 4-Phenylazoaniline	1960-9-3	1000PPM

132	1,2,4-二氨基甲苯	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	5-80-7-9	1000PPM
133	2-甲氧基-5-甲基苯胺	6-methoxy-m-toluidine (p-cresidine)	120-71-8	1000PPM
134	4-氨基联苯	Biphenyl-4-ylamine	92-67-1	1000PPM
135	邻氨基偶氮甲苯	o-aminoazotoluene	97-56-3	1000PPM
136	邻甲基苯胺	o-Toluidine; 2-Aminotoluene	95-53-4	1000PPM
137	N-甲基乙酰胺	N-methylacetamide	79-16-3	1000PPM
138	溴代正丙烷	1-bromopropane; n-propyl bromide	106-94-5	1000PPM
139	镉	Cadmium	7440-43-9	1000PPM
140	氧化镉	Cadmium oxide	1306-19-0	1000PPM
141	全氟辛酸铵 (APFO)	Ammonium pentadecafluorooctanoate	3825-26-1	1000PPM
142	全氟辛酸 (PFOA)	Pentadecafluorooctanoic acid	335-67-1	1000PPM
143	邻苯二甲酸二正戊酯 (DPP)	Dipentyl phthalate	131-18-0	1000PPM
144	4-壬基 (支链与直链) 苯酚乙氧基醚	branched and linear, ethoxylate [substances with a linear and/or branched alkyl chain with a number of 9 covalently bound in position 4 to phenol, ethoxylated C <sub>9</sub> and well-defined substances, polymers and homologues, which include amphoteric isomers and/or combinations thereof]	1306-23-6	1000PPM
145	硫化镉 (镉黄)	Carcinogenic (Article 57a); Equivalent level of concern probable serious effects to human health (Article 57 f)	1306-23-6	1000PPM
146	邻苯二甲酸二己酯 (DnHP)	Toxic for reproduction (Article 57 c)	84-75-3	1000PPM
147	直接红 28	Carcinogenic (Article 57a)	573-58-0	1000PPM
148	直接黑 38	Carcinogenic (Article 57a)	1937-37-7	1000PPM
149	1,2-亚乙基硫脲	Toxic for reproduction (Article 57 c)	96-45-7	1000PPM
150	乙酸铅	Toxic for reproduction (Article 57 c)	301-04-2	1000PPM
151	磷酸三 (二甲苯) 酯	Toxic for reproduction (Article 57 c)	25155-23-1	1000PPM
152	氯化镉	Cadmium chloride	10108-64-2	1000PPM
153	过硼酸钠	Sodium peroxometaborate	7632-4-4	1000PPM
154	水合过硼酸钠	Sodium perborate; perboric acid, sodium salt	239-172-9	1000PPM
155	邻苯二甲酸二 (支链与直链) 己基酯	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	1000PPM
156	氟化镉		7790-79-6	
157	硫酸镉		10124-36-4; 31119-53-6	1000PPM
158	紫外线吸收剂UV-320		3846-71-7	1000PPM
159	紫外线吸收剂UV-328		25973-55-1	1000PPM
160	硫代甘醇酸异辛酯二正辛基锡DOTE		15571-58-1	1000PPM
161	DOTE和MOTE反应产物DEHP		117-81-7	1000PPM

Company name: PCCABLES.COM INC.

Responsible Person: Jay F Kullmann

Date : 2014-12-29