

四川龙华光电薄膜股份有限公司 Sichuan Longhua Film Co., Ltd.

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关于 REACH 高关注物质的声明 U Notification for SVHC Regulated by REACH_U

我公司特此声明 We hereby confirm:

1) 按照欧盟 CLP 法规 (《欧盟物质和混合物的分类、标签和包装法规》, (EC) No 1272/2008) 规定, 龙华产品未被归类为有害物质, 且龙华产品中不含有该法规中规定的物质。

Longhua products are not classified as hazardous products in accordance with CLP Regulation (The Classification, Labeling and Packaging (CLP) Regulation, (EC) No 1272/2008) and do not contain substances classified in the CLP Regulation.

2) 在龙华产品中未有意添加下述列表中的高关注物质, 且这些物质含量均低于 0.1% (w/w%)。同时, 也不能排除通过分析可发现含有上述物质, 且, 这些物质可能是由于原料、辅料、添加剂等原因渗入到龙华产品中。

233 SVHCs (substances of very high concern) listed in the table below have not been intentionally added in Longhua products and the content of these substances does not exceed 0.1%(w/w),and it cannot be ruled out that they can be found through analysis,these substances may be infiltrated into Longhua products due to the reasons such as raw materials and auxiliary additives.

上文提及的龙华产品包括以下系列产品: 印刷类 PC、优质环保类 FRPC、优质环保类 FRPP、一般环保类 FRPC、亚克力/复合板系列产品、常规涂覆系列产品、功能涂覆系列产品、无氯/无溴类 PC、液晶基膜、幻彩贴合板。详见备注。

Longhua products mentioned above including Graphic PC film, Super-environmental FRPC film, Super-environmental FRPP film, General-environmental FRPC film, PMMA/Multi-layer film, Conventional hard-coated Sheets, Functional hard-coated Sheets, Free of Bromine/Chlorine PC film, Liquid Crystal film, Liquid Crystal Laminated Sheets. See remarks for details.

Annex: Substances List

第一批 SVHC 高度关注物质 (2008/10/28 正式公布候选清单)		
1	Anthracene 蒽	120-12-7
2	4,4'-Methylenedianilin / 4,4'-Diaminodiphenylmethane 4,4'-二氨基二苯基甲烷	101-77-9
3	Dibutyl Phthalate 邻苯二甲酸二丁酯	84-74-2
4	Cobalt Dichloride / 2- Cobalt Dichloride 氯化钴或二氯化钴	7646-79-9
5	Diarsenic Pentaoxide 五氧化二砷	1303-28-2
6	Diarsenic Trioxide 三氧化二砷	1327-53-3
7	Sodium Dichromate/Dihydrate 二水(合)重铬酸钠或重铬酸钠二合物	7789-12-0
8	5-tert-butyl-2,4,6-trinitro-m-xylene 二甲苯麝香或 2,4,6-三硝基-1,3-二甲基-5-叔丁基苯	81-15-2
9	Di(2-ethyl(hexyl)phthalate / Bis(2-ethylhexyl)phthalate, DEHP 邻苯二甲酸二(2-乙基己醇)酯	117-81-7
10	Hexabromocyclododecane / 1,3,5,7,9,11-Hexabromocyclododecane, (HBCDD) 六溴环十二烷或 1,3,5,7,9,11-六溴环十二烷	25637-99-4

11	Alkanes/C10-13chloro (Short Chain Chlorinated Paraffins) 烷烃或 C10-13 短链氯化石蜡	85535-84-8
12	Bis(tributyltin) oxide/ Hexabutyldistannoxane, TBTO 三丁基氧化锡或氧化双三丁基锡	56-35-9
13	Lead Hydrogen Arsenate 砷酸氢铅或酸式砷酸	7784-40-9
14	Benzyl Butyl Phthalate, BBP 邻苯二甲酸丁苄酯	85-68-7
15	Triethyl arsenate 三乙基砷酸酯	15606-95-8
第二批 SVHC 高度关注物质 (2010/3/30 正式列入候选清单)		
16	Anthracene oil 蒽油	90640-80-5
17	Anthracene oil, anthracene paste, distn. Lights 蒽油, 蒽糊, 轻油	91995-17-4
18	Anthracene oil, anthracene paste, anthracene fraction 蒽油, 蒽糊, 蒽馏分	91995-15-2
19	Anthracene oil, anthracene-low 蒽油, 含蒽量少	90640-82-7
20	Anthracene oil, anthracene paste 蒽油, 蒽糊	90640-81-6
21	Pitch, coal tar, high temp. 高温煤焦油沥青	65996-93-2
22	Acrylamide 丙烯酰胺	79-06-1
23	Aluminosilicate Refractory Ceramic Fibres 硅酸铝耐火陶瓷纤维	—
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres 氧化锆硅酸铝耐火陶瓷纤维	—
25	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2
26	Diisobutyl phthalate 邻苯二甲酸二异丁酯	84-69-5
27	Lead chromate 铬酸铅	7758-97-6
28	Lead chromate molybdate sulphate red (C.I. Pigment Red104) 钼铬红 (C.I.颜料红 104)	12656-85-8
29	Lead sulfochromate yellow (C.I. Pigment Yellow 34) 铅铬黄 (C.I.颜料黄 34)	1344-37-2
30	tris(2-chloroethyl)phosphate 磷酸三(2-氯乙基)酯	115-96-8
第三批 SVHC 高度关注物质 (2010/6/18 正式公布候选清单)		
31	Trichloroethylene 三氯乙烯	79-1-6
32	Boric acid 硼酸	10043-35-3 11113-50-1
33	Disodium tetraborate, anhydrous 四硼酸钠, 无水	1303-96-4 1330-43-4 12179-04-3
34	Tetraboron disodium heptaoxide, hydrate 四硼酸钠, 水合物	12267-73-1
35	Sodium chromate 铬酸钠	7775-11-3
36	Potassium chromate 铬酸钾	7789-00-6
37	Ammonium dichromate 重铬酸铵	7789-09-5
38	Potassium dichromate 重铬酸钾	7778-50-9
第四批 SVHC 高度关注物质 (2010/12/15 正式列入候选清单)		
39	Cobalt(II)sulphate 硫酸钴	10124-43-3
40	Cobalt(II)dinitrate 硝酸钴	10141-05-6
41	Cobalt(II)carbonate 碳酸钴	513-79-1
42	Cobalt(II)diacetate 醋酸钴	71-48-7
43	2-methoxyethanol 乙二醇单甲醚	109-86-4
44	2-ethoxyethanol 乙二醇单乙醚	110-80-5
45	Chromium trioxide 三氧化铬	1333-82-0
46	Chromic acid 铬酸	7738-94-5
	Dichromic acid 重铬酸	13530-68-2
	Oligomers of chromic acid and dichromic acid 铬酸和重铬酸的低聚物	—

第五批 SVHC 高度关注物质 (2011/2/21 正式列入候选清单)		
47	2-ethoxyethyl acetate 乙二醇乙醚醋酸酯 2-EEA	111-15-9
48	strontium chromate 铬酸锶	7789-06-2
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters 1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 DHNUP	68515-42-4
50	Hydrazine 肼 (联氨)	7803-57-8 (302-01-2)
51	1-methyl-2-pyrrolidone 1-甲基-2-吡咯烷酮	872-50-4
52	1,2,3-trichloropropane 1,2,3-三氯丙烷	96-18-4
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich 1,2-苯二酸-二(C6-8 支链)烷基酯(富 C7) DIHP	71888-89-6
第六批 SVHC 高度关注物质 (2011/12/19 正式列入候选清单)		
54	Dichromium tris(chromate) 铬酸铬	24613-89-6
55	Potassium hydroxyoctaoxidizincatedichromate 氢氧化铬酸锌钾	11103-86-9
56	Pentazinc chromate octahydroxide 氢氧化铬酸锌	49663-84-5
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA) 甲醛与苯胺的聚合物	25214-70-4
58	Bis(2-methoxyethyl)phthalate 邻苯二甲酸二甲氧基乙酯	117-82-8
59	2-Methoxyaniline; o-Anisidine 2-甲氧基苯胺	90-04-0
60	4-(1,1,3,3-tetramethylbutyl)phenol 对特辛基苯酚	140-66-9
61	1,2-Dichloroethane 1,2-二氯乙烷	107-06-2
62	Bis(2-methoxyethyl)ether 二乙二醇二甲醚	111-96-6
63	Arsenic acid 砷酸	7778-39-4
64	Calcium arsenate 砷酸钙	7778-44-1
65	Trilead diarsenate 砷酸铅	3687-31-8
66	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺	127-19-5
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA) 4,4'-亚甲基双(2-氯苯胺)	101-14-4
68	Phenolphthalein 酚酞	77-09-8
69	Lead diazide 叠氮化铅	13424-46-9
70	Lead styphnate 收敛酸铅	15245-44-0
71	Lead dipicrate 苦味酸铅	6477-64-1
第七批 SVHC 高度关注物质 (2012/06/18 正式公布候选清单)		
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 三甘醇二甲醚 (TEGDME)	112-49-2
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) 1,2-二甲氧基乙烷 (EGDME)	110-71-4
74	Diboron trioxide 三氧化二硼	1303-86-2
75	Formamide 甲酰胺	75-12--7
76	Lead(II) bis(methanesulfonate) 甲基磺酸铅	17570-76-2
77	(1,3,5-tris(oxiranylmethyl)-1,3,5-triazin e-2,4,6-(1H,3H,5H)-trione) 1,3,5-三缩水甘油-S-三嗪三酮; 异氰尿酸 三缩水甘油酯 TGIC	2451-62-9
78	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 1,3,5-三(环氧乙烷基甲基)-1,3,5-三嗪-2,4,6-(1H,3H,5H)-三酮立体异构体	59653-74-6
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone) 4,4'-二(N,N-二甲氨基)二苯甲酮; 米氏酮; 四甲基米氏酮	90-94-8
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1

	N,N,N'N'-四甲基-4,4'-二氨基二苯甲烷	
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) 碱性紫 3	548-62-9
82	[4-[[4-anilino-1-naphthyl]][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) 碱性蓝 26	2580-56-5
83	α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) 溶剂蓝 4	6786-83-0
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol α,α -二[(二甲氨基)苯基]-4-甲氨基苯甲醇	561-41-1
第八批 SVHC 高度关注物质 (2012/12/19 正式公布候选清单)		
85	Bis(pentabromophenyl) ether (DecaBDE) 十溴联苯醚	1163-19-5
86	Pentacosafuorotridecanoic acid 全氟十三酸	72629-94-8
87	Tricosafuorododecanoic acid 全氟十二酸	307-55-1
88	Henicosafuoroundecanoic acid 全氟十一烷酸	2058-94-8
89	Heptacosafuorotetradecanoic acid 全氟十四酸	376-06-7
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues 对特辛基苯酚	140-66-9 205-426-2
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 4-壬基苯酚, 支链和直链	—
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) 偶氮二甲酰胺	123-77-3
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) 六氢邻苯二甲酸酐	85-42-7
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride 甲基六氢苯酐、4-甲基六氢苯酐、甲基六氢化邻苯二甲酸酐、3-甲基六氢苯二甲酯酐	25550-51-0 19438-60-9 48122-14-1 57110-29-9
95	Methoxy acetic acid 甲氧基乙酸	625-45-6
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支链和直链 1,2-苯二羧二戊酯	84777-06-0
97	Diisopentylphthalate (DIPP) 邻苯二甲酸二异戊酯	605-50-5
98	N-pentyl-isopentylphthalate 邻苯二甲酸正戊基异戊基酯	776297-69-9
99	1,2-Diethoxyethane 乙二醇二乙醚	629-14-1
100	N,N-dimethylformamide; dimethyl formamide N,N-二甲基甲酰胺	68-12-2 200-679-5
101	Dibutyltin dichloride (DBT) 二丁基二氯化锡	683-18-1
102	Acetic acid, lead salt, basic 碱式乙酸铅	51404-69-4
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide) 碱式碳酸铅	1319-46-6
104	Lead oxide sulfate (basic lead sulfate) 碱式硫酸铅	12036-76-9
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) [1,2-苯二羧酸根合]二氧化三铅	69011-06-9
106	Dioxobis(stearato)trilead 双(十八酸基)二氧代三铅	12578-12-0
107	Fatty acids, C16-18, lead salts C16-18-脂肪酸铅盐	91031-62-8
108	Lead bis(tetrafluoroborate) 四氟硼酸铅	13814-96-5

109	Lead cyanamidate 氨基氰铅盐	20837-86-9
110	Lead dinitrate 硝酸铅	10099-74-8
111	Lead oxide (lead monoxide) 氧化铅	1317-36-8
112	Lead tetroxide (orange lead) 四氧化三铅, 铅丹	1314-41-6
113	Lead titanium trioxide 钛酸铅	12060-00-3
114	Lead Titanium Zirconium Oxide 钛酸铅锆	12626-81-2
115	Pentalead tetraoxide sulphate 氧化铅与硫酸铅的复合物	12065-90-6
116	Pyrochlore, antimony lead yellow C.I. 颜料黄 41	8012-00-8
117	Silicic acid, barium salt, lead-doped 铅掺杂的硅钡酸盐	68784-75-8
118	Silicic acid, lead salt 硅酸铅	11120-22-2
119	Sulfurous acid, lead salt, dibasic 亚硫酸铅 (II)	62229-08-7
120	Tetraethyllead 四乙基铅	78-00-2
121	Tetralead trioxide sulphate 三碱式硫酸铅	12202-17-4
122	Trilead dioxide phosphonate 磷酸氧化铅	12141-20-7
123	Furan 呋喃	110-00-9
124	Propylene oxide; 1,2-epoxypropane; methyloxirane 环氧丙烷	75-56-9
125	Diethyl sulphate 硫酸二乙酯	64-67-5
126	Dimethyl sulphate 硫酸二甲酯	77-78-1
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2
128	Dinoseb 地乐酚 (二硝丁酚)	88-85-7
129	4,4'-methylenedi-o-toluidine 4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0
130	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚	101-80-4
131	4-Aminoazobenzene; 4-Phenylazoaniline 4-氨基偶氮苯	60-09-3
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine) 2,4-二氨基甲苯	200-453-6
133	6-methoxy-m-toluidine (p-cresidine) 2-甲氧基-5-甲基苯胺	95-80-7
134	Biphenyl-4-ylamine 4-氨基联苯	120-71-8
135	o-aminoazotoluene 邻氨基偶氮甲苯	92-67-1
136	o-Toluidine; 2-Aminotoluene 邻甲基苯胺	97-56-3
137	N-methylacetamide N-甲基乙酰胺	95-53-4
138	1-bromopropane; n-propyl bromide 溴代正丙烷	79-16-3
第九批 SVHC 高度关注物质 (2013/06/20 正式公布候选清单)		
139	Cadmium 镉	106-94-5
140	Cadmium oxide 氧化镉	7440-43-9
141	Dipentyl phthalate(DPP) 邻苯二甲酸二正戊酯	1306-19-0
142	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] 乙氧基化的支链和直链的 4-壬基酚 (直链和/或支链的具有 9 个碳原子的烷基链共价键合在 4 位的乙氧基酚, 囊括了 UVCB 和定义明确的物质, 聚合物及同系物, 其中包括任何单独的异构体和/或它们的组合)	—
143	Ammonium pentadecafluorooctanoate (APFO) 十五代氟辛酸铵盐	3825-26-1
144	Pentadecafluorooctanoic acid (PFOA) 全氟辛酸	335-67-1

第十批 SVHC 高度关注物质 (2013/12/16 正式公布候选清单)		
145	Cadmium sulphide 硫化镉	1306-23-6
146	Dihexyl phthalate 邻苯二甲酸二乙酯	84-75-3
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1- sulphonate) (C.I. Direct Red 28) CI 直接红 28	573-58-0
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) CI 直接黑 38	1937-37-7
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol 1, 2-亚乙基硫脲	96-45-7
150	Lead di(acetate) 醋酸铅	301-04-2
151	Trixylyl phosphate 磷酸三(二甲苯)脂	25155-23-1
第十一批 SVHC 高度关注物质 (2014/04/17 正式结束公众评议)		
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 邻苯二甲酸二异己酯	68515-50-4
153	Cadmium chloride 氯化镉	10108-64-2
154	Sodium peroxometaborate 水合高硼酸钠盐类	—
155	Sodium perborate; perboric acid, sodium salt 过硼酸钠	7632-04-4
第十二批 SVHC 高度关注物质 (2014/12/17 正式公布候选清单)		
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) 2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV328)	25973-55-1
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) 2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑(UV-320)	3846-71-7
158	2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) 二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)	15571-58-1
159	Cadmium fluoride 氟化镉	7790-79-6
160	Cadmium sulphate 硫酸镉	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 (reactionmass of DOTE and MOTE) 二正辛基-双(巯乙酸 2-乙基己酯)锡(DOTE)和三(2-乙基己基巯基乙酸)辛锡(MOTE)的反应物料	—
第十三批 SVHC 高度关注物质 (2015/6/15 正式公布候选清单)		
162	1,2-benzenedicarboxylic acid,di-C6-10-alkylesters;1,2-benzenedicarboxylic acid, mixeddecyl and hexyl andoctyl diesters with ≥0.3% of dihexylphthalate (EC No.201-559-5) * 1,2-苯二羧酸, 二-碳 6-10-烷基酯; (癸基, 己基, 辛基) 酯与 1,2-苯二甲酸的复合物, 其邻苯二甲酸二己酯含量≥0.3% ((EC No.201-559-5) *	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 combinationthereof] 5-仲丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合] 卡拉花醛及其异构体以及它们的混合物)	—
第十四批 SVHC 高度关注物质 (2015/12/17 正式公布候选清单)		
164	Nitrobenzene 硝基苯	98-95-3
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	3864-99-1

	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚(UV-327)	
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2'-羟基-3'-异丁基-5'-叔丁基苯基)苯并三唑(UV-350)	36437-37-3
167	1,3-propanesultone 1,3-丙烷磺内酯	1120-71-4
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts 全氟壬酸及其钠和铵盐	375-95-1 21049-39-8 4149-60-4
第十五批 SVHC 高度关注物质 (2016/6/20 正式公布候选清单)		
169	Benzo[def] Chrysene (Benzo[a]pyrene (BaP)) ** 苯并(a)芘 (BaP) **	50-32-8
第十六批 SVHC 高度关注物质 (2017/01/20 正式公布候选清单)		
170	4,4'-isopropylidenediphenol (bisphenol A) 双酚 A (BPA)	80-05-7
171	p-(1,1-dimethylpropyl)phenol 对叔戊基苯酚	80-46-6
172	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 4-庚基苯酚, 支链和直链	—
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 全氟癸酸 (PFDA) 及其钠盐和铵盐	3108-42-7 335-76-2 3830-45-3
第十七批 SVHC 高度关注物质 (2017/07/07 正式公布候选清单)		
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) 全氟己烷-1-磺酸及其盐	—
第十八批 SVHC 高度关注物质 (2018/01/15 正式公布候选清单)		
175	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 (4-HPbl)] 1,3,4-噻二唑-2,5-二硫酮、甲醛与支链和直链 4-庚基苯酚的反应产物(RP-HP)[含有支链和直链 4-庚基苯酚(4-HPbl)重量比≥0.1%]	—
176	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] 双(六氯环戊二烯)环辛烷(包含任何顺式与反式同分异构体或其组合)	—
177	Chrysene 蒽 (CHR)	218-01-9 1719-03-5
178	Cadmium nitrate 硝酸镉	10022-68-1 10325-94-7
179	Cadmium hydroxide 氢氧化镉	21041-95-2
180	Cadmium carbonate 碳酸镉	513-78-0
181	Benz[a]anthracene 苯并蒽 (BaA)	56-55-3 1718-53-2
第十九批 SVHC 高度关注物质 (2018/06/27 正式公布候选清单)		
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA) 偏苯三酸酐 (TMA)	552-30-7
183	Dicyclohexyl phthalate (DCHP) 邻苯二甲酸二环己酯 (DCHP)	84-61-7
184	Benzo[ghi]perylene 苯并 (g,h,i) 芘 (二萘嵌苯) (BPE)	191-24-2
185	Decamethylcyclopentasiloxane, D5 十甲基环戊硅氧烷 (D5)	541-02-6
186	Disodium octaborate 氧化硼钠	12008-41-2

187	Dodecamethylcyclotetrasiloxane, D6 十二甲基环己硅氧烷 (D6)	540-97-6
188	Ethylenediamine, EDA 乙二胺	107-15-3
189	Lead 铅	7439-92-1
190	Octamethylcyclotetrasiloxane, D4 八甲基环四硅氧烷 (D4)	556-67-2
191	Terphenyl, hydrogenated 氢化三联苯	61788-32-7
第二十七批 SVHC 高度关注物质 (2019/01/15 正式公布候选清单)		
192	Pyrene 嵌二萘	129-00-0 1718-52-1
193	Phenanthrene 菲	85-01-8
194	Fluoranthene 荧蒽	206-44-0 93951-69-0
195	Benzo[k]fluoranthene 苯并[k]荧蒽	207-08-9
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 4,4'-(1,3-二甲基丁基)二苯酚	6807-17-6
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 3-benzylidene camphor; 3-BC 1,7,7-三甲基-3-(苯亚甲基)双环[2,2,1]庚-2-酮	15087-24-8
第二十八批 SVHC 高度关注物质 (2019/07/16 正式公布)		
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof 2,2,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物 (包括单体和组合)	--
199	2-methoxyethyl acetate 2-甲氧基乙基乙酸酯	110-49-6
200	4-tert-butylphenol 4-叔丁基苯酚	98-54-4
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) 三(4-壬基苯基, 支链和直连)亚磷酸酯 (TNPP) (含 $\geq 0.1\%$ 的支链和直连 4-壬基苯酚)	--
第二十九批 SVHC 高度关注物质 (2020/1/16 正式公布)		
202	Perfluorobutane sulfonic acid(PFBS) and its salts 全氟丁烷磺酸(PFBS)及其盐	--
203	Diisohexyl phthalate 邻苯二甲酸二异己酯	276-090-2 71850-09-4
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	400-600-6 71868-10-5
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone 2-苄基-2-二甲基氨基-4'-吗啉基苯基丁酮	404-360-3 119313-12-1
第三十批 SVHC 高度关注物质 (2020/6/25 正式公布)		
206	1-vinylimidazole 1-乙烯基咪唑	1072-63-5
207	2-methylimidazole 2-甲基咪唑	693-98-1
208	Butyl 4-hydroxybenzoate 对羟基苯甲酸丁酯	94-26-8
209	Dibutylbis(pentane-2,4-dionato-O,O')tin 双(乙酰丙酮基)二丁基锡	22673-19-4
第三十一批 SVHC 高度关注物质 (2021/1/19 正式公布)		
210	双(2-(2-甲氧基乙氧基)乙基)醚(四乙二醇二甲醚) bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8
211	二月桂酸二辛基锡, 锡烷, 二辛基-, 双(椰油酰氧基)衍生物, 以及任何其他锡烷, 二辛基-, 双(脂肪酰氧基)衍生物。其中 C12 为脂肪酰氧基部分的主要碳原子数 Diocetyl tin 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	
第二十五批 SVHC 高度关注物质 (2021/7/8 正式公布)		
212	1,4-二氧六环 (二恶烷) 1,4-dioxane	123-91-1
213	二溴新戊二醇三溴新戊醇 2,3-二溴-1-丙醇 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)	3296-90-0 36483-57-5 1522-92-5 96-13-9
214	2-(4-叔丁基苄基)丙醛及其立体异构体 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	--
215	2, 2-双(4-羟基苯基)丁烷(双酚 B) 4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7
216	戊二醛 Glutaral	111-30-8
217	中链氯化石蜡(MCCP)(UVCB 物质: 由含≥80%的碳链长度 C14 至 C17 之间的直链氯化烷烃组成) 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]	--
218	硼酸钠 Orthoboric acid,sodium salt	--
219	齐聚生成的碳链长度主要为 C12 的直链或支链烷基酚化合物 (主要为对位), 包含任何异构体及其组合(PDDP) Phenol,alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDPP)	--
第二十六批 SVHC 高关注物质 (2022/01/17 正式公布)		
220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环[2.2.1]庚-2-酮, 包括各个异构体和/或其组合 (4-MBC) (±)-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)	--
221	2,2'-亚甲基双 (4-甲基-6-叔丁基苯 (DBMC)) 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1
222	S- (三环[5.2.1.0 ² .6]癸-3-烯-8 (或 9) -基) O- (异丙基或异丁基或 2-乙基己基) O- (异丙基或异丁基或 2-乙基己基) 二硫代磷酸酯 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
223	乙烯基-三 (2-甲氧基乙氧基) 硅烷 Tris(2-methoxyethoxy) vinylsilane	1067-53-4
第二十七批 SVHC 高关注物质 (2022/6/10 正式公布)		
224	N-羟甲基丙烯酰胺 N-(hydroxymethyl)acrylamide	924-42-5
第二十八批 SVHC 高关注物质 (2023/1/17 正式公布)		
<u>225</u>	<u>1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]</u> <u>1,2-二[2,4,6-三溴苯氧基]乙烷</u>	<u>37853-59-1</u>

226	<u>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol</u> 四溴双酚 A	79-94-7
227	<u>4,4'-sulphonyldiphenol</u> 双酚 S	80-09-1
228	<u>Barium diboron tetraoxide</u> 偏硼酸钡	13701-59-2
229	<u>Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof.</u> 3,4,5,6-四溴-1,2-苯二羧酸双(2-乙基己基)酯, 包括任何单独的异构体和/或其组合	=
230	<u>Isobutyl 4-hydroxybenzoate</u> 4-羟基苯甲酸 2-甲基丙酯	4247-2-3
231	<u>Melamine</u> 三聚氰胺	108-78-1
232	<u>Perfluoroheptanoic acid and its salts</u> 全氟庚酸及其盐	=
233	<u>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.</u> 2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟烷-4-(七氟丙基)吗啉的反应物料	=

注(Remarks):

1、印刷类 PC (Graphic PC film) :

LonghuaPC-811(S/Y/ST/HC)、811UV-30、835 (G/X/S/Y)、1811 (T/A/M)、832(F/M/Y/PF)、813(F)、815、1801-OMF、801-OMF、801E、836(S)、815-01、835-B、801-4、818-B、828、1811HC、635(M)、1811B、811B、811BS、AM832、IMD13、11xxA、EPC-35、L-(d)、L-(d)(f)、L-(d)(f)(g)、BLC-11(a)、MBLC-11、NLC-11(A)-FH、ML-xx、L-1TXX、BLC-1TXX、BLC-1LVXX、L-00S93XX。

2、优质环保类 FRPC (Super-environmental FRPC film) :

LonghuaPC-870、870-83(B)、870-54。

3、优质环保类 FRPP (Super-environmental FRPP film) :

LonghuaPP-BK18/20BK/20BLK、WT17/20、PP-(i)(j)。

4、一般环保类 FRPC (General-environmental FRPC film) :

LonghuaPC-770F、770(870)-54、770-83F、770-58、770A。

5、亚克力/复合板系列产品 (PMMA/Multi-layer film) :

LonghuaEF-(d)(f)(i)/EF-211(221)-IML/EF-OP(x)(x)/LGP-11/PMMA-(i)(g)/PL(x)(x)-(x)/EFU-(x)(x)/EFV-(x)(x)、LM-(x)(x)、BLM-1LVXX、LEF11U、BLM-11(a)。

6、常规涂覆系列产品 (Conventional hard-coated Sheets) :

LonghuaCR-1(g)(f)、CR-23(g)(f)、CR-33(g)(f)、CR-3(g)(f)、CR-1(g)(f)-(f)(i)/(g)、CR-23(g)(f)-(f)(i)/(g)、CR-33(g)(f)-(f)(i)/(g)、CR-3(g)(f)-(f)(i)/(g)。

7、功能涂覆系列产品 (Functional hard-coated Sheets) :

LonghuaCR(f)-1(g)(f)-(i)(f)、CR(f)-23(g)(f)-(i)(f)、CR(f)-33(g)(f)-(i)(f)、CR(f)-3(g)(f)-(i)(f)、CR-332DST-Y2、CP-231D-SP、CR-PL(x)(x)、CR-PL(x)(x)-(x)、CR-PL(x)(x)D、CR-PL(x)(x)D-(x)、DG-(g)(f)-P、D-(g)(f)-P/CP、D-(g)(f)、Longhua-OPxx、Longhua-OPxxD、Longhua-PRBxx。

8、无氯/无溴类 PC (Free of Bromine/Chlorine PC film) :

Longhua PC2870A(a)-ECO、LonghuaPCECO-1870A/ECO-70A。

9、液晶基膜 (Liquid Crystal film) :

LonghuaFCxxx-Rxxx、LonghuaFCxxx-Bxxx、LonghuaFCxxx-GBxxx、LonghuaFCxxx-Jxxx、LonghuaFCxxx-Gxxx、LonghuaFCxxx-Vxxx、LonghuaFFCXX-XxxxX、LonghuaXFCXXxxx-XxxxX-xx。

10、幻彩贴合板 (Liquid Crystal Laminated Sheets) :


LonghuaPFC (T) xx- (x) - (U2) -XxxxX、LonghuaPFC (T) Xxxx (x) -X-XxxxX。

2022年6月28日公布的《关于REACH高关注物质的声明 T》作废。

Notification for SVHC Regulated by REACH T updated on Jun 28, 2022 is no more valid.



2023.2.8



2023.2.8

四川龙华光电薄膜股份有限公司

Sichuan Longhua Film Co., Ltd.

2023年2月7日

Feb 7, 2023

