TEST REPORT

Technical Report: **(6218)221-0314** August 23, 2018

Date Received: August 09, 2018 & August 16 Page 1 of 21
收樣日期: 2018 年 08 月 09 日與 2018 年 08 月 16 日

Applicant: HMD Global Oy
申請廠商: Karaportti 2, 02610 Espoo, Finland

Sample Description: CTL
樣品描述:

Test Period: August 09, 2018 to August 21, 2018 & August 16, 2018 to August 23, 2018
測試日期: 2018 年 08 月 09 日 至 2018 年 08 月 21 日與 2018 年 08 月 16 日 至 2018 年 08 月 23 日

Item No(s): TA-1095, TA-1100, TA-1085, TA-1096, TA-1097
型號:

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH 化學品管理局發佈的關於歐盟 REACH (EC) 1907/2006 號法規的相關高度關注物質(SVHC)候選清單	**SVHC was detected exceeding 0,1% (w/w)** **檢測出 SVHC 超过 0.1%**	-

REMARK 備註

If there are questions or concerns on this report, please contact: chemical.inquiry@tw.bureauveritas.com/ vico.lin@tw.bureauveritas.com
若有任何疑問或諮詢，請以email與我們聯絡

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (H.K.) LIMITED, TAIWAN BRANCH

PREPARED BY : Tiffany Chin

VICO LIN
MANAGER
ANALYTICAL DEPARTMENT

C/N /TC/ML

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Photo of the Submitted Sample
遞交樣品照片



Photo of the Submitted Sample
遞交樣品照片



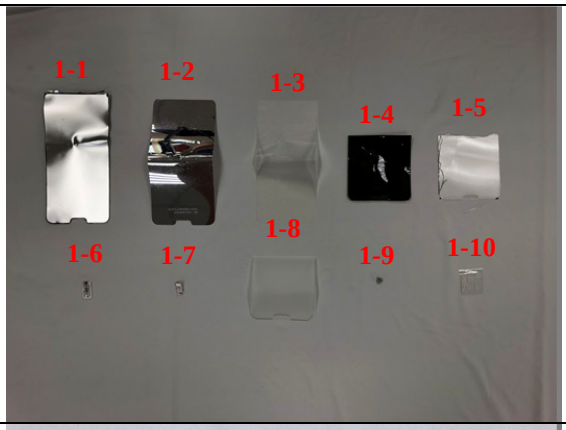
Sample

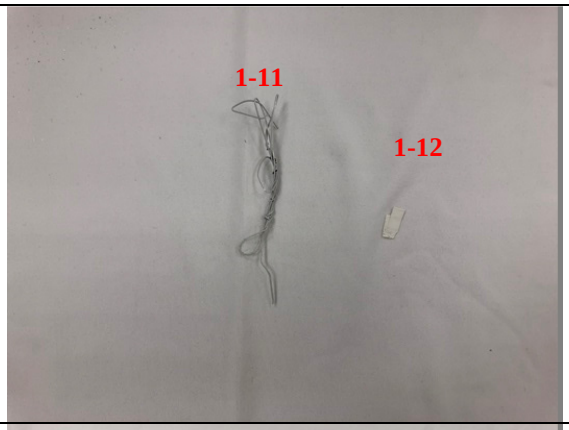


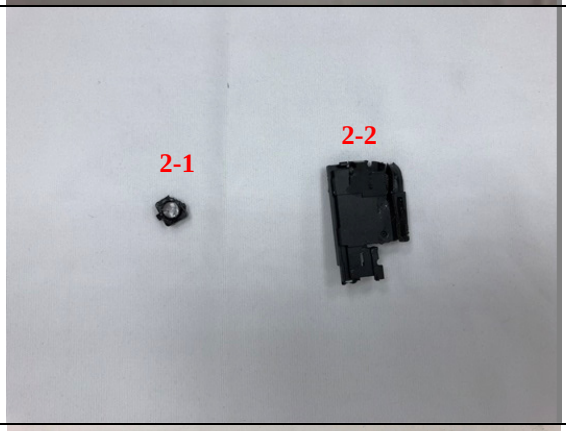
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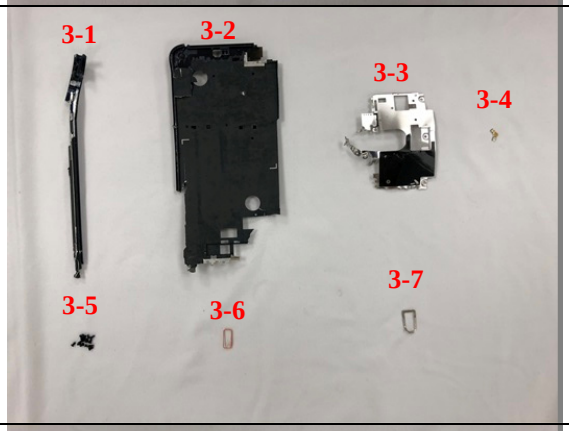
C/N /TC/ML

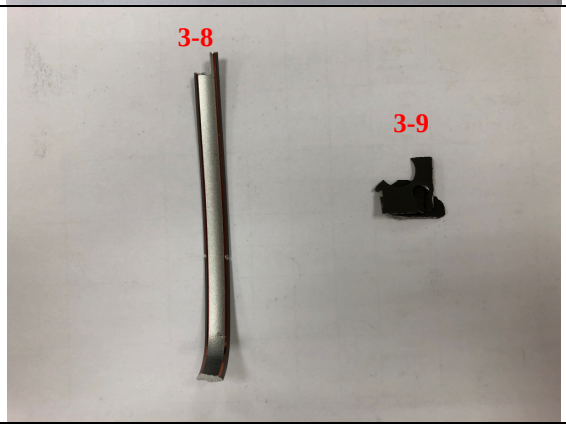
Photo of the Submitted Sample
遞交樣品照片







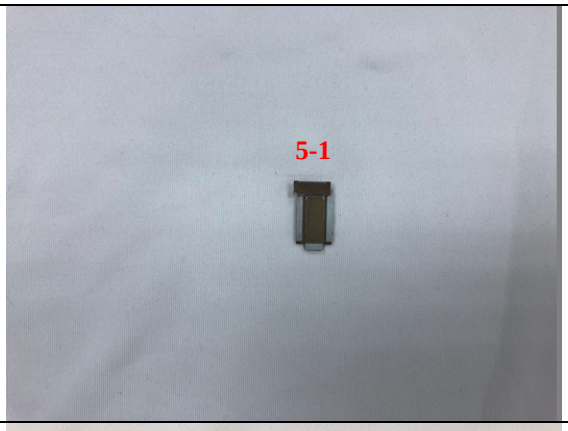
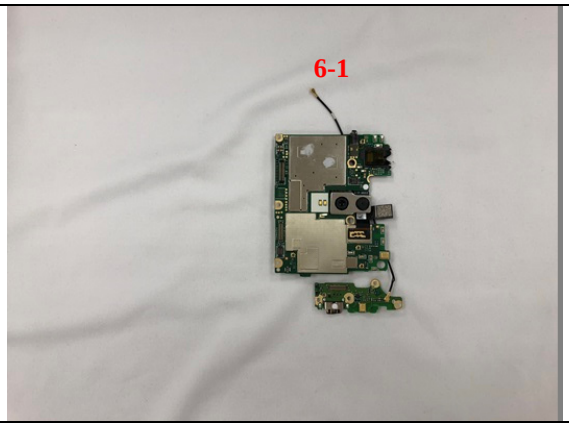






C/N /TC/ML

Photo of the Submitted Sample
遞交樣品照片

5-1 	6-1 
7-1~7-3 	

C/N /TC/ML

TEST RESULT 測試結果

Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH
歐洲化學品管理局發佈的關於歐盟 REACH (EC) 1907/2006 號法規的相關高度關注物質(SVHC)候選清單

Method: Analysis is based on GC, LC, IC, ICP and UV, with various detection techniques.
方法: 以各種不同的檢測技術包括 GC,LC,IC,ICP,UV 分析.

Test Item 1: 測試項目 1:	Soft plastic group 軟塑膠組	Test Item 6: 測試項目 6:	PCB group 電路板組
Test Item 2: 測試項目 2:	Hard plastic group 硬塑膠組	Test Item 7: 測試項目 7:	Battery group 電池組
Test Item 3: 測試項目 3:	Metal group 金屬組	Test Item 7-1: 測試項目 7-1:	Plastic group 塑膠組
Test Item 4: 測試項目 4:	Glass group 玻璃組	Test Item 7-2: 測試項目 7-2:	Ceramic group 陶瓷組
Test Item 5: 測試項目 5:	Magnet group 磁鐵組	Test Item 7-3: 測試項目 7-3:	Metal group 金屬組

Maximum Allowable Limit: 最大允許限值:	**0.1% (Each of listed) 0.1% (所列的各物質)**

Tested Item(s) 測試項目	**Result 結果**				**Conclusion 結論**
	Detected Analyte(s)檢出物		**Conc.濃度**	**Unit 單位**	
1	No. 87	Methoxy acetic acid / 甲氧基乙酸	0.012	%	PASS
	No.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] / 壬基酚聚氧乙烯醚	0.015	%	PASS
2	No.170	4,4'-isopropylidenediphenol (bisphenol A)/ 雙酚 A	0.009	%	PASS
3	No.76	Lead(II) bis(methanesulfonate)* / 甲基磺酸鉛*	0.036[1)]	%	PASS
	No.100	Lead bis(tetrafluoroborate)* / 四氟硼酸鉛*	0.034[1)]	%	PASS
	No.184	Lead/鉛	0.019[1)]	%	PASS
4	No.32	Boric acid* / 硼酸*	0.017[1)]	%	PASS
	No.33	Disodium tetraborate, anhydrous* / 無水四硼酸鈉*	0.026[1)]	%	PASS
	No.34	Tetraboron disodium heptaoxide, hydrate* / 七水四硼酸鈉*	0.026[1)]	%	PASS
	No.187	Disodium octaborate*/ 氧化硼鈉*	0.014[1)]	%	PASS
5	ND		ND	%	PASS
6	ND		ND	%	PASS

C/N /TC/ML

TEST RESULT

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Method: Analysis is based on GC, LC, IC, ICP and UV, with various detection techniques.
方法: 以各種不同的檢測技術包括 GC,LC,IC,ICP,UV 分析.

Maximum Allowable Limit: 最大允許限值:	**0.1% (Each of listed)** **0.1% (所列的各物質)**

Tested Item(s) 測試項目	**Result 結果**				**Conclusion 結論**
	Detected Analyte(s)檢出物		**Conc.濃度**	**Unit 單位**	
7-1	No.39	Cobalt(II) sulphate* / 硫酸鈷*	**17.6**[2)]	%	**SVHC was detected exceeding 0,1% (w/w) 檢測出 SVHC 超過 0.1%**
	No.42	Cobalt(II) diacetate* / 乙酸鈷*	**20.1**[2)]	%	**SVHC was detected exceeding 0,1% (w/w) 檢測出 SVHC 超過 0.1%**
7-2	No. 5	Cobalt dichloride* / 二氯化鈷*	**0.665**[2)]	%	**SVHC was detected exceeding 0,1% (w/w) 檢測出 SVHC 超過 0.1%**
	No.32	Boric acid* / 硼酸*	0.012[1)]	%	PASS
	No.33	Disodium tetraborate, anhydrous* / 無水四硼酸鈉*	0.019[1)]	%	PASS
	No.34	Tetraboron disodium heptaoxide, hydrate* / 七水四硼酸鈉*	0.019[1)]	%	PASS
	No.41	Disodium octaborate*/ 氧化硼鈉*	**0.609**[2)]	%	**SVHC was detected exceeding 0,1% (w/w) 檢測出 SVHC 超過 0.1%**
	No.187	Disodium octaborate*/ 氧化硼鈉*	0.010[1)]	%	PASS
7-3	ND		ND	%	PASS

Note 注釋:

ND = Not Detected 未檢出 Conc. = Concentration 濃度
mg/kg = milligram per kilogram 毫克每千克 % = percentage 百分比 1 mg/kg = 0.0001%
Detection Limit (%): See Appendix.
檢出限(%):見附錄.
The detected SVHC and its value will be shown in above table, the else SVHC not shown in the table will be regarded as ND. When all SVHC for test are not detected, it will be shown ND.
檢出的 SVHC 及其含量值顯示於上表中, 其它未檢出的 SVHC 則不顯示於表中, 當所有 SVHC 均未檢出, 則顯示 ND.

Note 注釋:

1) Result is based on the boron concentration. Boric acid* , Disodium tetraborate, anhydrous*, Tetraboron disodium heptaoxide, hydrate*, Disodium octaborate* are very likely to be present. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain. / 所得結果是基於樣品中硼含量計算而來. 很可能存在硼酸*, 無水四硼酸鈉*, 七水四硼酸鈉*, 氧化硼鈉*. 由於目前技術條件的限制, 無法進行進一步的測試. 強烈建議客戶先評估其化學式後再最後確定其結論.

2) Result is based on the cobalt concentration. Cobalt(II) sulphate*, Cobalt(II) diacetate* , Cobalt dichloride* are very likely to be present. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain. / 所得結果是基於樣品中鈷含量計算而來. 很可能存在硫酸鈷*, 乙酸鈷*, 二氯化鈷* . 由於目前技術條件的限制, 無法進行進一步的測試. 強烈建議客戶先評估其化學式後再最後確定其結論.

APPENDIX
附錄

Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH
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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
1	Triethyl arsenate* / 三乙基砷酸酯*	15606-95-8	427-700-2	0.01	Carcinogenic/致癌
2	Anthracene / 蒽	120-12-7	204-371-1	0.005	PBT/持久、生物累積、有毒物質
3	4,4'-Diaminodiphenyl methane (MDA) / 4,4'-二氨基二苯基甲烷	101-77-9	202-974-4	0.005	Carcinogenic/致癌
4	Dibutyl phthalate (DBP) / 鄰苯二甲酸二丁酯	84-74-2	201-557-4	0.005	Toxic for reproduction/生殖毒性
5	Cobalt dichloride* / 二氯化鈷*	7646-79-9	231-589-4	0.01	Carcinogenic/致癌
6	Diarsenic pentaoxide* / 五氧化二砷*	1303-28-2	215-116-9	0.01	Carcinogenic/致癌
7	Diarsenic trioxide* / 三氧化二砷	1327-53-3	215-481-4	0.01	Carcinogenic/致癌
8	Sodium dichromate* / 重鉻酸鈉*	7789-12-0[(1)], 10588-01-9[(2)]	234-190-3	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) /二甲苯麝香	81-15-2	201-329-4	0.005	vPvB/強持久強生物累積物質
10	Bis (2-ethylhexyl) phthalate (DEHP) / 鄰苯二甲酸二(2-乙基己)酯	117-81-7	204-211-0	0.005	Toxic for reproduction/生殖毒性
11	Hexabromo cyclododecane (HBCDD) and all major diastereoisomers identified: / 六溴環十二烷及主要異構體 α - HBCDD / α -六溴環十二烷 β - HBCDD / β -六溴環十二烷 γ - HBCDD / γ -六溴環十二烷	3194-55-6[(3)], 25637-99-4[(4)] 134237-50-6 134237-51-7 134237-52-8	247-148-4, 221-695-9	0.005	PBT/持久、生物累積、有毒物質
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP) / 短鏈氯化石蠟	85535-84-8	287-476-5	0.01	PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質
13	Bis(tributyltin)oxide (TBTO)** / 氧化雙三丁基錫**	56-35-9	200-268-0	0.005	PBT/持久、生物累積、有毒物質
14	Lead hydrogen arsenate* / 酸式砷酸鉛*	7784-40-9	232-064-2	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
15	Benzyl butyl phthalate (BBP) / 鄰苯二甲酸丁苄酯	85-68-7	201-622-7	0.005	Toxic for reproduction/生殖毒性
16	2,4-Dinitrotoluene / 2,4-二硝基甲苯	121-14-2	204-450-0	0.005	Carcinogenic/致癌
17	Anthracene oil / 蒽油	90640-80-5	292-602-7	0.01	Carcinogenic/致癌, PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質
18	Anthracene oil, anthracene paste, distn. Lights / 蒽油, 蒽糊, 輕油	91995-17-4	295-278-5	0.01	Carcinogenic/致癌; Mutagenic/致突變, PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質
19	Anthracene oil, anthracene paste, anthracene fraction / 蒽油, 蒽糊, 蒽餾分	91995-15-2	295-275-9	0.01	Carcinogenic/致癌; Mutagenic/致突變, PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質
20	Anthracene oil, anthracene-low / 蒽油, 含蒽量少	90640-82-7	292-604-8	0.01	Carcinogenic/致癌; Mutagenic/致突變, PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質

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歐洲化學品管理局發佈的關於歐盟 REACH (EC) 1907/2006 號法規的相關高度關注物質(SVHC)候選清單

No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
21	Anthracene oil, anthracene paste / 蒽油, 蒽糊	90640-81-6	292-603-2	0.01	Carcinogenic/致癌; Mutagenic/致突變, PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質
22	Diisobutyl phthalate / 鄰苯二甲酸二異丁酯	84-69-5	201-553-2	0.005	Toxic for reproduction/生殖毒性
23	Aluminosilicate, Refractory Ceramic Fibres*[a] / 矽酸鋁耐火陶瓷纖維*[a]	Index no. 650-017-00-8		0.01	Carcinogenic/致癌
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres*[b] / 氧化鋯矽酸鋁耐火陶瓷纖維*[b]	Index no. 650-017-00-8		0.01	Carcinogenic/致癌
25	Lead chromate* / 鉻酸鉛*	7758-97-6	231-846-0	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)* / 鉬鉻紅 (C.I.顏料紅 104)*	12656-85-8	235-759-9	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)* / 鉛鉻黃 (C.I.顏料黃 34)*	1344-37-2	215-693-7	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
28	Tris(2-chloroethyl) phosphate (TCEP) / 三(2-氯乙基)磷酸酯 (TCEP)	115-96-8	204-118-5	0.005	Toxic for reproduction/生殖毒性
29	Coal tar pitch, high temperature / 煤瀝青, 高溫	65996-93-2	266-028-2	0.01	Carcinogenic/致癌, PBT/持久、生物累積、有毒物質, vPvB/強持久強生物累積物質
30	Acrylamide / 丙烯醯胺	79-06-1	201-173-7	0.005	Carcinogenic/致癌; Mutagenic/致突變
31	Trichloroethylene / 三氯乙烯	79-01-6	201-167-4	0.005	Carcinogenic/致癌
32	Boric acid* / 硼酸*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	0.01	Toxic for reproduction/生殖毒性
33	Disodium tetraborate, anhydrous* / 無水四硼酸鈉*	1330-43-3(5), 12179-04-3(6), 1303-96-4(7)	215-540-4	0.01	Toxic for reproduction/生殖毒性
34	Tetraboron disodium heptaoxide, hydrate* / 七水合四硼酸鈉*	12267-73-1	235-541-3	0.01	Toxic for reproduction/生殖毒性
35	Sodium chromate* / 鉻酸鈉*	7775-11-3	231-889-5	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性
36	Potassium chromate* / 鉻酸鉀*	7789-00-6	232-140-5	0.01	Carcinogenic/致癌; Mutagenic/致突變
37	Ammonium dichromate* / 重鉻酸銨*	7789-09-5	232-143-1	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性
38	Potassium dichromate* / 重鉻酸鉀*	7778-50-9	231-906-6	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性
39	Cobalt(II) sulphate* / 硫酸鈷*	10124-43-3	233-334-2	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
40	Cobalt(II) dinitrate* / 硝酸鈷*	10141-05-6	233-402-1	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
41	Cobalt(II) carbonate* / 碳酸鈷*	513-79-1	208-169-4	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
42	Cobalt(II) diacetate* / 乙酸鈷*	71-48-7	200-755-8	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
43	2-Methoxyethanol / 乙二醇單甲醚	109-86-4	203-713-7	0.005	Toxic for reproduction/生殖毒性
44	2-Ethoxyethanol / 乙二醇單乙醚	110-80-5	203-804-1	0.005	Toxic for reproduction/生殖毒性
45	Chromium trioxide* / 三氧化鉻*	1333-82-0	215-607-8	0.01	Carcinogenic/致癌; Mutagenic/致突變
46	Acid generated from chromium trioxide and their oligomers: / 三氧化鉻生成酸及其低聚物的酸: Chromic acid* / 鉻酸* Dichromic acid* / 重鉻酸* Oligomers of chromic acid and dichromic acid* / 其低聚鉻酸*	7738-94-5 13530-68-2 -	231-801-5 236-881-5 -	0.01	Carcinogenic/致癌
47	2-Ethoxyethyl acetate / 乙二醇乙醚醋酸酯	111-15-9	203-839-2	0.005	Toxic for reproduction/生殖毒性
48	Strontium Chromate* / 鉻酸鍶*	7789-06-2	232-142-6	0.01	Carcinogenic/致癌
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester / 鄰苯二甲酸二 (C7-11 支鏈與直鏈) 烷基脂	68515-42-4	271-084-6	0.005	Toxic for reproduction/生殖毒性
50	Hydrazine / 肼	302-01-2 7803-57-8	206-114-9	0.005	Carcinogenic/致癌
51	1-Methyl-2-pyrrolidone / 1-甲基-2-吡咯烷酮	872-50-4	212-828-1	0.005	Toxic for reproduction/生殖毒性
52	1,2,3-trichloropropane / 1,2,3-三氯丙烷	96-18-4	202-486-1	0.005	Toxic for reproduction/生殖毒性
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP) / 鄰苯二甲酸二 (C6- 8 支鏈與直鏈烷基酯, 富 C7 鏈	71888-89-6	276-158-1	0.005	Toxic for reproduction/生殖毒性
54	Dichromium tris(chromate)* / 鉻酸鉻*	24613-89-6	246-356-2	0.01	Carcinogenic/致癌
55	Potassium hydroxyoctaoxodizincatedi-chromate* / 氫氧化鉻酸鋅鉀*	11103-86-9	234-329-8	0.01	Carcinogenic/致癌
56	Pentazinc chromate octahydroxide* / 鋅黃*	49663-84-5	256-418-0	0.01	Carcinogenic/致癌
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA) / 甲醛苯胺共聚物 (技術二氨基二苯甲烷 (MDA))	25214-70-4	500-036-1	0.005	Carcinogenic/致癌
58	Bis(2-methoxyethyl) phthalate / 鄰苯二甲酸二甲氧乙酯	117-82-8	204-212-6	0.005	Toxic for reproduction/生殖毒性
59	2-Methoxyaniline; o-Anisidine / 鄰氨基苯甲醚	90-04-0	201-963-1	0.005	Carcinogenic/致癌
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol) / 對特辛基苯酚	140-66-9	205-426-2	0.005	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
61	1,2-Dichloroethane / 1,2- 二氯乙烷	107-06-2	203-458-1	0.005	Carcinogenic/致癌
62	Bis(2-methoxyethyl) ether / 二乙二醇二甲醚	111-96-6	203-924-4	0.005	Toxic for reproduction/生殖毒性
63	Arsenic acid* / 砷酸*	7778-39-4	231-901-9	0.01	Carcinogenic/致癌
64	Calcium arsenate* / 砷酸鈣*	7778-44-1	231-904-5	0.01	Carcinogenic/致癌

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
65	Trilead diarsenate* / 砷酸鉛*	3687-31-8	222-979-5	0.01	Carcinogenic/致癌; Toxic for reproduction/生殖毒性
66	N,N-dimethylacetamide (DMAC) / N,N-二甲基乙醯胺	127-19-5	204-826-4	0.005	Toxic for reproduction/生殖毒性
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA) / 2,2'-二氯-4,4'-二氨基二苯基甲烷	101-14-4	202-918-9	0.005	Carcinogenic/致癌
68	Phenolphthalein / 酚酞	77-09-8	201-004-7	0.005	Carcinogenic/致癌
69	Lead azide, Lead diazide* / 疊氮化鉛*	13424-46-9	236-542-1	0.01	Toxic for reproduction/生殖毒性
70	Lead styphnate* / 史蒂芬酸鉛*	15245-44-0	239-290-0	0.01	Toxic for reproduction/生殖毒性
71	Lead dipicrate* / 苦味酸鉛*	6477-64-1	229-335-2	0.01	Toxic for reproduction/生殖毒性
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) / 1,2 雙 (2-甲氧乙氧基) 乙烷三乙二醇二甲醚 (二甲醚四甘醇; 三甘醇二甲醚)	112-49-2	203-977-3	0.005	Toxic for reproduction/生殖毒性
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) / 1,2-二甲氧基乙烷; 乙二醇二乙醚	110-71-4	203-794-9	0.005	Toxic for reproduction/生殖毒性
74	Diboron trioxide* / 三氧化二硼*	1303-86-2	215-125-8	0.01	Toxic for reproduction/生殖毒性
75	Formamide / 甲醯胺	75-12-7	200-842-0	0.01	Toxic for reproduction/生殖毒性
76	Lead(II) bis(methanesulfonate)* / 甲基磺酸鉛*	17570-76-2	401-750-5	0.01	Toxic for reproduction/生殖毒性
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) § / 異氰尿酸三縮水甘油§	2451-62-9	219-514-3	0.005	Mutagenic/致突變
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) § / 替羅昔隆§	59653-74-6	423-400-0	0.005	Mutagenic/致突變
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) / 4,4'-四甲基二氨二苯酮(米其勒酮)	90-94-8	202-027-5	0.005	Carcinogenic/致癌
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) / 4,4'-亞甲基雙(N, N-二甲基苯胺) (米希勒堿)	101-61-1	202-959-2	0.005	Carcinogenic/致癌
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) / 結晶紫	548-62-9	208-953-6	0.005	Carcinogenic/致癌
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino) phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) / 鹼性藍 26	2580-56-5	219-943-6	0.005	Carcinogenic/致癌
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) / 溶劑藍 4	6786-83-0	229-851-8	0.01	Carcinogenic/致癌

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
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	209-218-2	0.005	Carcinogenic/致癌
85	Bis(pentabromophenyl) ether (DecaBDE) / 十溴二苯醚 (十溴聯苯醚)	1163-19-5	214-604-9	0.005	Persistent, bioaccumulative and toxic/持久、生物累積、有毒物質; very persistent and very bioaccumulative/強持久強生物累積物質
86	N,N-dimethylformamide; dimethyl formamide / N，N-二甲基甲醯胺; 甲基甲醯胺	68-12-2	200-679-5	0.005	Toxic for reproduction/生殖毒性
87	Methoxy acetic acid / 甲氧基乙酸	625-45-6	210-894-6	0.005	Toxic for reproduction/生殖毒性 ; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
88	Dibutyltin dichloride (DBT)* / 二丁基二氯化錫 (DBT)*	683-18-1	211-670-0	0.01	Toxic for reproduction/生殖毒性
89	1,2-Diethoxyethane / 1,2-二乙氧基乙烷	629-14-1	211-076-1	0.005	Toxic for reproduction/生殖毒性
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride / 環己烷-1,2 -二羧酸酐，順式-環己烷-1,2 -二羧酸酐，反式-環己烷-1,2-二羧酸酐	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	0.01	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
91	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride / 甲基六氫鄰苯二甲酸酐 六氫-4 -甲基鄰苯二甲酸酐，六氫-1 -甲基鄰苯二甲酸酐，六氫-3 -甲基鄰苯二甲酸酐	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.01	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
92	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-壬基酚，支鏈和直鏈	-	-	0.005	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
93	Heptacosafluorotetradecanoic acid / 全氟十四酸	376-06-7	206-803-4	0.005	Very persistent and very bioaccumulative/強持久強生物累積物質
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear + / 1,2-苯二羧酸，戊基酯，支鏈和直鏈+	84777-06-0	284-032-2	0.005	Toxic for reproduction/生殖毒性
95	Henicosafluoroundecanoic acid / 全氟十一酸	2058-94-8	218-165-4	0.005	Very persistent and very bioaccumulative/強持久強生物累積物質
96	N-pentyl-isopentylphtalate (iPnPP) + / 鄰苯二甲酸正戊異戊酯 (iPnPP) +	776297-69-9	-	0.005	Toxic for reproduction/生殖毒性

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
97	Pentacosafluorotridecanoic acid / 全氟十三酸	72629-94-8	276-745-2	0.005	Very persistent and very bioaccumulative/強持久強生物累積物質
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues / 4- (1,1,3,3-四甲基丁基)苯酚，乙氧基化	-	-	0.005	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
99	Tricosafluorododecanoic acid / 全氟十二酸	307-55-1	206-203-2	0.005	Very persistent and very bioaccumulative/強持久強生物累積物質
100	Lead bis(tetrafluoroborate)* / 四氟硼酸鉛*	13814-96-5	237-486-0	0.01	Toxic for reproduction/生殖毒性
101	Lead tetroxide (orange lead)* / 四氧化三鉛*	1314-41-6	215-235-6	0.01	Toxic for reproduction/生殖毒性
102	Diethyl sulphate / 硫酸二乙酯	64-67-5	200-589-6	0.005	Carcinogenic/致癌; Mutagenic/致突變
103	Dinoseb / 地樂酚(6-仲丁基-2,4-二硝基苯酚)	88-85-7	201-861-7	0.005	Toxic for reproduction/生殖毒性
104	Lead Titanium Zirconium Oxide* / 鉛鈦氧化鋯*	12626-81-2	235-727-4	0.01	Toxic for reproduction/生殖毒性
105	Acetic acid, lead salt, basic* / 乙酸，鉛鹽，基本 (堿式乙酸鉛)*	51404-69-4	257-175-3	0.01	Toxic for reproduction/生殖毒性
106	Furan / 呋喃	110-00-9	203-727-3	0.01	Carcinogenic/致癌
107	N-methylacetamide / N-甲基乙醯胺	79-16-3	201-182-6	0.005	Toxic for reproduction/生殖毒性
108	o-Toluidine; 2-Aminotoluene / 鄰甲苯胺	95-53-4	202-429-0	0.005	Carcinogenic/致癌
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine / 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-惡唑烷	143860-04-2	421-150-7	0.01	Toxic for reproduction/生殖毒性
110	4,4'-oxydianiline and its salts / 4,4'-二氨基二苯醚和其鹽	101-80-4	202-977-0	0.005	Carcinogenic/致癌; Mutagenic/致突變
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)* / 二鹽基鄰苯二甲酸鉛*	69011-06-9	273-688-5	0.01	Toxic for reproduction/生殖毒性
112	Lead titanium trioxide* / 鉛三氧化二鈦*	12060-00-3	235-038-9	0.01	Toxic for reproduction/生殖毒性
113	Lead oxide sulphate* / 氧化硫酸鉛*	12036-76-9	234-853-7	0.01	Toxic for reproduction/生殖毒性
114	Lead dinitrate* / 硝酸鉛*	10099-74-8	233-245-9	0.01	Toxic for reproduction/生殖毒性
115	4-Aminoazobenzene; 4-Phenylazoaniline / 4-氨基偶氮苯	60-09-3	200-453-6	0.005	Carcinogenic/致癌
116	Lead cyanamidate* / 氨基氰鉛鹽*	20837-86-9	244-073-9	0.01	Toxic for reproduction/生殖毒性
117	Tetralead trioxide sulphate* / 硫酸三氧化四鉛*	12202-17-4	235-380-9	0.01	Toxic for reproduction/生殖毒性
118	4-methyl-m-phenylenediamine (2,4-toluene-diamine) / 4-甲基-間-苯二胺(2,4-甲苯二胺)	95-80-7	202-453-1	0.005	Carcinogenic/致癌
119	Pyrochlore, antimony lead yellow* / 燒綠石, 銻鉛黃*	8012-00-8	232-382-1	0.01	Toxic for reproduction/生殖毒性

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)* / 堿式碳酸鉛*	1319-46-6	215-290-6	0.01	Toxic for reproduction/生殖毒性
121	Dimethyl sulphate / 硫酸二甲酯	77-78-1	201-058-1	0.005	Carcinogenic/致癌
122	Dioxobis(stearato)trilead* / 雙(十八酸基)二氧代三鉛*	12578-12-0	235-702-8	0.01	Toxic for reproduction/生殖毒性
123	Silicic acid, barium salt, lead-doped* / 摻雜鉛的矽酸, 鋇鹽*	68784-75-8	272-271-5	0.01	Toxic for reproduction/生殖毒性
124	Biphenyl-4-ylamine / 4-氨基聯苯	92-67-1	202-177-1	0.005	Carcinogenic/致癌
125	Lead oxide (lead monoxide)* / 氧化鉛 (一氧化鉛)*	1317-36-8	215-267-0	0.01	Toxic for reproduction/生殖毒性
126	Pentalead tetraoxide sulphate* / 氧化鉛與硫酸鉛的複合物*	12065-90-6	235-067-7	0.01	Toxic for reproduction/生殖毒性
127	Propylene oxide; 1,2-epoxypropane; methyloxirane / 環氧丙烷; 甲基環氧乙烷	75-56-9	200-879-2	0.01	Carcinogenic/致癌; Mutagenic/致突變
128	Silicic acid, lead salt* / 矽酸鉛鹽*	11120-22-2	234-363-3	0.01	Toxic for reproduction/生殖毒性
129	Trilead dioxide phosphonate* / 三鉛二氧化碳膦酸*	12141-20-7	235-252-2	0.01	Toxic for reproduction/生殖毒性
130	o-aminoazotoluene / 鄰氨基偶氮甲苯	97-56-3	202-591-2	0.005	Carcinogenic/致癌
131	1-bromopropane / 1-溴丙烷	106-94-5	203-445-0	0.01	Toxic for reproduction/生殖毒性
132	6-methoxy-m-toluidine (p-cresidine) / 6-甲氧基-間-甲苯胺(對-甲酚定)	120-71-8	204-419-1	0.005	Carcinogenic/致癌
133	4,4'-methylenedi-o-toluidine / 4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	212-658-8	0.005	Carcinogenic/致癌
134	Tetraethyllead* / 四乙基鉛*	78-00-2	201-075-4	0.01	Toxic for reproduction/生殖毒性
135	Sulfurous acid, lead salt, dibasic* / 亞硫酸鉛(II)*	62229-08-7	263-467-1	0.01	Toxic for reproduction/生殖毒性
136	Fatty acids, C16-18, lead salts* / 脂肪酸, C16-18, 鉛鹽*	91031-62-8	292-966-7	0.01	Toxic for reproduction/生殖毒性
137	Diisopentylphthalate+ / 鄰苯二甲酸二異戊酯+	605-50-5	210-088-4	0.005	Toxic for reproduction/生殖毒性
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) / 二氮烯-1,2 -二甲醯胺 (偶氮二甲醯胺)	123-77-3	204-650-8	0.01	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
139	Cadmium* /鎘*	7440-43-9	231-152-8	0.01	Carcinogenic/致癌; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
140	Cadmium oxide* / 氧化鎘*	1306-19-0	215-146-2	0.01	Carcinogenic/致癌; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
141	Dipentyl phthalate (DPP) + / 鄰苯二甲酸二正戊酯 (DPP) +	131-18-0	205-017-9	0.005	Toxic for reproduction/生殖毒性

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
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] / 壬基酚聚氧乙烯醚	-	-	0.005	Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
143	Ammonium pentadecafluorooctanoate (APFO) ≠ / 十五代氟辛酸銨鹽 (APFO) ≠	3825-26-1	223-320-4	0.005	Toxic for reproduction/生殖毒性; PBT/持久、生物累積、有毒物質
144	Pentadecafluorooctanoic acid (PFOA) ≠ / 全氟辛酸 (PFOA) ≠	335-67-1	206-397-9	0.005	Toxic for reproduction/生殖毒性; PBT/持久、生物累積、有毒物質
145	Cadmium Sulphide/ 硫化鎘	1306-23-6	215-147-8	0.01	Carcinogenic/致癌; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
146	Dihexyl phthalate (DnHP)/ 鄰苯二甲酸二己酯	84-75-3	201-559-5	0.005	Toxic for reproduction/生殖毒性
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) / 直接紅 28	573-58-0	209-358-4	0.005	Carcinogenic/致癌
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) / 直接黑 38	1937-37-7	217-710-3	0.005	Carcinogenic/致癌
149	Imidazolidine-2-thione (2-imidazoline-2-thiol) / 1,2-亞乙基硫脲	96-45-7	202-506-9	0.005	Toxic for reproduction/生殖毒性
150	Lead diacetate / 乙酸鉛	301-04-2	206-104-4	0.01	Toxic for reproduction/生殖毒性
151	Trixylyl phosphate /磷酸三(二甲苯)酯	25155-23-1	246-677-8	0.005	Toxic for reproduction/生殖毒性
152	Cadmium chloride*/ 氯化鎘*	10108-64-2	233-296-7	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear++/1,2-苯二羧酸, 己基酯, 支鏈和直鏈++	68515-50-4	271-093-5	0.005	Toxic for reproduction/生殖毒性
154	Sodium peroxometaborate*/ 過硼酸鈉*	7632-04-4	231-556-4	0.01	Toxic for reproduction/生殖毒性
155	Sodium perborate; perboric acid, sodium salt*/過硼酸鈉水合物*	-	239-172-9; 234-390-0	0.01	Toxic for reproduction/生殖毒性
156	Cadmium fluoride */氟化鎘	7790-79-6	232-222-0	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質

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歐洲化學品管理局發佈的關於歐盟 REACH (EC) 1907/2006 號法規的相關高度關注物質(SVHC)候選清單

No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
157	Cadmium sulphate */硫酸鎘	10124-36-4; 31119-53-6	233-331-6	0.01	Carcinogenic/致癌; Mutagenic/致突變; Toxic for reproduction/生殖毒性; Equivalent level of concern having probable serious effects to human health/會對人類引起嚴重影響的等效物質
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)/ 2-(2'-羥基-3',5'-二叔丁基苯基)-苯並三唑 (紫外線吸收劑 UV-320)	3846-71-7	223-346-6	0.005	PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)/ 2-(2’-羥基-3’,5’-二-叔-戊基苯基)苯並三唑 (紫外線吸收劑 UV328)	25973-55-1	247-384-8	0.005	PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) +++/ 二正辛基-雙(巰乙酸 2-乙基己酯)錫 (DOTE) +++	15571-58-1	239-622-4	0.01	Toxic for reproduction/生殖毒性
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) +++/ 二正辛基-雙(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 (DOTE 和 MOTE 的反應產物) +++	-	-	0.01	Toxic for reproduction/生殖毒性
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)/ 鄰苯二甲酸二(C6-C10)烷基酯: (癸基，己基，辛基) 酯與 1,2-鄰苯二甲酸的複合物, 並且鄰苯二甲酸二己酯含量≥ 0.3%	68515-51-5; 68648-93-1	271-094-0; 272-013-1	0.01	Toxic for reproduction/生殖毒性
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 isomers of [1] and [2] or any combination thereof]/ 2-(2,4-二甲基-3-環己基)-5-甲基-5-(1-甲基丙基)-1,3-二氧惡烷[1] 2-(4,6-二甲基-3-環己基)-5-甲基-5-(1-甲基丙基)-1,3-二氧惡烷[2] 及這兩個物質的任意組合（卡拉花醛及其同分異構體，還包括卡拉花醛和其同分異構體的任意組合）	-	-	0.01	Very persistent and very bioaccumulative/強持久強生物累積物質
164	1,3-propanesultone / 1,3-丙烷磺內酯	1120-71-4	214-317-9	0.01	Carcinogenic/致癌

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)/ 2,4-二-叔丁基-6-(5-氯-2H-苯並三唑-2-基)苯酚（紫外吸收劑 UV-327）	3864-99-1	223-383-8	0.005	vPvB/強持久強生物累積物質
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)/ 2-(2H-苯並三唑-2-基)-4-特丁基-6-仲丁基苯酚（紫外吸收劑 UV-350）	36437-37-3	253-037-1	0.005	vPvB/強持久強生物累積物質
167	Nitrobenzene/ 硝基苯	98-95-3	202-716-0	0.01	Toxic for reproduction/生殖毒性
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts/ 全氟壬酸及其鈉鹽和銨鹽	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01	Toxic for reproduction/生殖毒性; PBT/持久、生物累積、有毒物質
169	Benzo[def]chrysene (Benzo[a]pyrene)/ 苯並[a]芘	50-32-8	200-028-5	0.005	Carcinogenic; Mutagenic/致突變; Toxic for reproduction/生殖毒性; PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
170	4,4'-isopropylidenediphenol (bisphenol A)/ 雙酚 A	80-05-7	201-245-8	0.005	Toxic for reproduction/生殖毒性 Endocrine disrupting properties-environment & human health / 內分泌干擾物 - 環境&人類健康
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts/ 十九氟癸酸及其鈉鹽和銨鹽	-	-	0.005	Toxic for reproduction/生殖毒性; PBT/ 持久、生物累積、有毒物質
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	-	-	0.005	Equivalent level of concern having probable serious effects to the environment/ 會對環境引起嚴重影響的等效物質
173	p-(1,1-dimethylpropyl)phenol/ 對(1,1-二甲基丙基) 苯酚	80-46-6	201-280-9	0.005	Equivalent level of concern having probable serious effects to the environment/ 會對環境引起嚴重影響的等效物質
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) /全氟己基磺酸及其鹽類	-	-	0.005	vPvB/強持久強生物累積物質
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-噻二唑烷-2,5-二硫酮， 甲醛和 4-庚基苯酚的支鏈和直鏈（RP-HP）的反應產物[4 -庚基苯酚， 支鏈和直鏈含量≥0.1％w / w]	-	-	0.01	Endocrine disrupting properties-environment / 內分泌干擾物- 環境

C/N /TC/ML

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No. / 編號	Substance name / 物質名稱	CAS No. / CAS 編號	EC No. / EC 編號	Detection Limit / 檢測界限, %	Basis for identification as a SVHC / 被認為是高度關注物質的依據
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] / 德克隆[包括所有反式和順式異構體及其組合]	-	-	0.01	vPvB/強持久強生物累積物質
177	Chrysene/䓛	218-01-9 1719-03-5	205-923-4	0.005	Carcinogenic 致癌; PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
178	Cadmium nitrate*/硝酸鎘*	10022-68-1 10325-94-7	233-710-6	0.01	Carcinogenic 致癌; Mutagenic/致突變 Specific target organ toxicity after repeated exposure/經重複接觸後引起特定器官中毒
179	Cadmium hydroxide*/氫氧化鎘*	21041-95-2	244-168-5	0.01	Carcinogenic 致癌; Mutagenic/致突變 Specific target organ toxicity after repeated exposure/經重複接觸後引起特定器官中毒
180	Cadmium carbonate*/碳酸鎘*	513-78-0	208-168-9	0.01	Carcinogenic 致癌; Mutagenic/致突變 Specific target organ toxicity after repeated exposure/經重複接觸後引起特定器官中毒
181	Benz[a]anthracene/苯並(a)蒽	56-55-3 1718-53-2	200-280-6	0.005	Carcinogenic 致癌; PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
182	Terphenyl, hydrogenated/ 氫化三聯苯	61788-32-7	262-967-7	0.005	vPvB/強持久強生物累積物質
183	Octamethylcyclotetrasiloxane(D4)/ 八甲基環四矽氧烷	556-67-2	209-136-7	0.005	PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
184	Lead/鉛	7439-92-1	231-100-4	0.01	Toxic for reproduction 生殖毒性;
185	Ethylenediamine (EDA)/ 乙二胺	107-15-3	203-468-6	0.005	Respiratory sensitising properties 呼吸過敏特性
186	Dodecamethylcyclohexasiloxane (D6)/ 十二甲基環六矽氧烷	540-97-6	208-762-8	0.005	PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
187	Disodium octaborate*/ 氧化硼鈉*	12008-41-2	234-541-0	0.005	Toxic for reproduction 生殖毒性;
188	Dicyclohexyl phthalate (DCHP) / 鄰苯二甲酸二環己酯	84-61-7	201-545-9	0.005	Toxic for reproduction 生殖毒性; Endocrine disrupting properties 內分泌干擾物
189	Decamethylcyclopentasiloxane (D5)/ 十甲基環五矽氧烷	541-02-6	208-764-9	0.005	PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
190	Benzo[ghi]perylene/ 1,12-苯並苝	191-24-2	205-883-8	0.005	PBT/持久、生物累積、有毒物質; vPvB/強持久強生物累積物質
191	Benzene-1,2,4- tricarboxylic acid 1,2 anhydride (TMA) / 偏苯三酸酐	552-30-7	209-008-0	0.005	Respiratory sensitising properties 呼吸過敏特性

(1) CAS no. 7789-12-0 refers to sodium dichromate dihydrate /
CAS 編號 7789-12-0 指二水重鉻酸鈉
(2) CAS no. 10588-01-9 refers to anhydrous sodium dichromate /
CAS 編號 10588-01-9 指無水重鉻酸鈉
(3) CAS no. 3194-55-6 refers to a specific HBCDD - 1,2,5,6,9,10-hexabromocyclododecane /
CAS 編號 3194-55-6 指特定的六溴環十二烷 - 1,2,5,6,9,10-六溴環十二烷
(4) CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition /
CAS 編號 25637-99-4 指非特定的六溴環十二烷及其異構體的混合物
(5) CAS no. 1330-43-3 refers to disodium tetraborate, anhydrous /
CAS 編號 1330-43-3 指無水四硼酸二鈉
(6) CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate /
CAS 編號 12179-04-3 指五水四硼酸鈉
(7) CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate /
CAS 編號 1303-96-4 指十水四硼酸鈉

Remark / 備註:

1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006 /
根據(EC)1907/2006 號法規定義為持久性, 生物蓄積性和毒性.
2. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006 /
根據(EC)1907/2006 號法規定義為高持久性, 高生物蓄積性.
3. ND = Not Detected / ND = 未檢出
4. *Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain. / *所得結果是基於樣品中重金屬或無機元素含量計算而來. 由於目前技術條件的限制, 無法進行進一步的測試. 強烈建議客戶先評估其化學式後再最後確定其結論.
5. **Result is identified by tributyltin (TBT). Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain. / **所得結果是基於樣品中三丁基錫含量計算而來. 由於目前技術條件的限制, 無法進行進一步的測試. 強烈建議客戶先評估其化學式後再最後確定其結論.
6. [§]TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) and β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture. / [§]異氰尿酸三縮水甘油和替羅昔隆以混合物的形式出現在報告中.
7. [a]Refer to Aluminosilicate, Refractory Ceramic Fibres 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 (µm) c) alkaline oxide and alkali earth oxide ($Na_2O+K_2O+CaO+MgO+BaO$) content less or equal to 18% by weight. / 參考鋁矽酸鹽, 耐火陶瓷纖維符合一下三個特點: a) 在可變數濃度範圍內氧化鋁和矽是主要的組成部分 (在纖維中) b) 纖維有小於微米 (µm) 或者小於 2/6 標準幾何誤差的一個長度加權幾何平均直徑 c) 鹼性氧化物和堿土氧化物 (氧化鈉+氧化鉀+氧化鈣+氧化鎂+氧化鋇) 的含量小於或者等於 18% .
8. [b]Refer to Zirconia Aluminosilicate, Refractory Ceramic Fibres 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 ($Na_2O+K_2O+CaO+MgO+BaO$) content less or equal to 18% by weight. / 參考鋯矽酸鋁, 耐火陶瓷纖維符合一下三個特點: a) 在可變數濃度範圍內氧化鋁，鋯和矽是主要的組成部分 (在纖維中) b) 纖維有小於微米 (µm)或者小於 2 /6 標準幾何誤差的一個長度加權幾何平均直徑 c) 鹼性氧化物和堿土氧化物 (氧化鈉+氧化鉀+氧化鈣+氧化鎂+氧化鋇) 的含量小於或者等於 18%.
9. +[1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate. / +[1,2-苯二羧酸，戊基酯，支鏈和直鏈] 是一種含有鄰苯二甲酸二正戊酯 (DPP)，鄰苯二甲酸二異戊酯 (DIPP) 和鄰苯二甲酸正戊異戊酯的鄰苯二甲酸鹽混合物.
10. ≠PFOA and APFO are reported together. The result is based on PFOA concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain. / ≠全氟辛酸和十五代氟辛酸銨鹽一起得出報告, 結果基於全氟辛酸的濃度. 由於目前技術條件的限制, 強烈建議客戶先評估其化學式後再最後確定其結論.
11. ++[1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of phthalates contains dihexyl phthalate. / ++[1,2-苯二羧酸，己基酯，支鏈和直鏈] 是一種鄰苯二甲酸二己酯的混合物.
12. +++ Result is based on the tin metal concentration, and further confirmation for checking DBT, DOTE & MOTE concentration./ 結果基於錫金屬的含量, 並通過檢測二丁基錫 (DBT), 二正辛基-雙(巰乙酸 2-乙基己酯)錫 (DOTE) 和單辛基-三(2-乙基己基巰基乙酸酯 (MOTE) 的含量進行進一步的確認.

Note: / 附注:

1. The limit of 0.1% (w/w) applies to an article. The results were calculated assuming as the submitted sample was an article. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, definition of an article, substance and mixture are: / 0.1%(w/w) 的限值適用於物品. 以上結果是基於所提交樣品為一個物品的假設計算得出的. 然而, 該結果並不適用於單一物質或混合物的樣品. 根據 REACH, 對於物品, 物質和混合物有如下定義:

   i. Article - An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition. /
   物品 - 在生產過程中很大程度上的目的是給與該物品特定的形狀, 表面或設計從而實現其特定功能, 而不是它的化學組成.

   ii Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process /
   物質 - 在自然界中存在或通過化學合成得到化學元素或其化合物

   iii Mixture (Previously known as “Preparation”) - A mixture or solution composed of two or more substances /
   混合物 (以往稱作“配置品”) - 由兩個或以上物質組成的混合物或溶液.

2. In accordance of Article 7 of Regulation (EC) No. 1907/2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meets in criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.
   根據(EC)1907/2006 號法規(REACH 法規)第 7 條 – 在物品中的物質註冊和通告義務: 如果該物質符合第 57 條的要求並符合 59(1)中的定義, 並且同時滿足以下兩個條件, (1)每年每一個進口商或者生產廠商進口或生產存在於這些物品中的該類物質總量超過一噸, (2)該類物質含量占整個物品超過 0.1%(w/w), 那麼該物品的進口商或者生產商應該向歐洲化學品管理局通報. 通報內容應該包括 (a)進口商和生產商的可靠聯繫資訊, (b)註冊號碼, (c)該類物質的名稱和(d)物質的分類, (e)對於該物質的用途的簡單描述, (f)該物質的登記用量.

3 In accordance of Article 33 of Regulation (EC) No. 1907/2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.
   根據(EC)1907/2006 號法規(REACH 法規)第 33 條 – 資訊通告義務: 任何供應商提供的物品中含有的物質符合第 57 條的要求並符合 59(1)中的定義, 且其含量占整個物品超過 0.1%(w/w), 供應商應能夠向物品的接受方提供足夠的資訊, 以便能夠安全的使用該物品, 資訊應該包括, 至少應提供該物質的名稱. 當物品供應商收到消費者請求後, 應能在 45 天內向消費者免費提供相應的資訊.

END
結束

C/N /TC/ML