

捷和電機集團有害物質管理清單 Hazardous Substances Management List of CCG

Doc. No: FORM2958

Rev. AB Date: 06-30-2023

Revision History		
Rev. 版本	Issue Date 發佈日期	Revising Content 修訂內容
Z	08-01-2022	Z.1--- Added eight substances(Item308th-312th) from 26th and 27th SVHC candidate list, 新增第26批&第27批SVHC候選清單的8種化學物質 (第308項-第312項)
AA	06-02-2023	AA.1-Added night substances(Items 313th -321th) form 28th SVHC candidate list, 新增第28批SVHC候選清單的9中化學物質 (第313項-第321項)
AB	06-30-2023	AB. 1- Integrate the REACH SVHC substances in the HSM list into one item. 將HSM清單中的REACH SVHC物質整合成一項 AB. 2.-Updated parts substances Source. 更新部份物質來源 AB. 3- Portion of substances are cancelled to control from the CCG-HSM list issued at 06/02/2023. 在06/02/2023發佈的有害物質管理清單的基礎上取消部份物質的控制 AB. 4-Added PFAS、GADSL control requirement-新增PFAS、GADSL管控要求 AB. 5-Amend HBCDD、DecaBDE、Pb limit requirement-修正HBCDD、DecaBDE、鉛限值要求

Remarks 備注：

No. 序號	Content 內容	Description Content 描述內容
1	Exemptions 豁免	In column "Limit PPM", about exemptions of RoHS, The restriction doesn't apply to exemptions in European Directive RoHS (2011/65/EU). 在列“限值PPM”中，關於RoHS的豁免，此限制不適用於歐盟RoHS指令(2011/65/EU)的豁免項目。
2	Restricted 限制	In column "Limit PPM", "Restricted" means these substances must be declared. The supplier must provide information to support the claim that the level doesn't exceed the permitted limits in the destination countries. 在列“限值PPM”中，“限制”意思是指這些物質必須聲明。供應商必須提供資訊以支援這些物質的含量不會超過目的國家的限制標準。
3	Avoid 避免	In column "Limit PPM", "Avoid" means that substances which are not prohibited yet, but whose use should be avoided wherever possible or reduced. These substances can result in risks to the manufacture, utilization and disposal of products. 在列“限值PPM”中，“避免”的意思是指這些物質還未被禁止，但要盡可能的避免或減少使用，這些物質可能對產品的生產、使用及處理造成風險。
4	Banned 禁止	In column "Limit PPM", "Banned" means that substances which are not prohibited to be used in products or components. 在列“限值PPM”中，“禁止”的意思是指這些物質被禁止使用在產品或零件中。
5	HSF Mark HSF標示	The supplier shall post the green HSF label on the internal and external packaging in any style, such as HSF, RoHS, GP, lead-free, etc. Which the label means compliance with the HS requirements of the Chiaphua Group 供應商應在內外包裝上張貼綠色HSF標示樣式不限，如HSF、RoHS、GP、無鉛等，此環保標示代表符合捷和集團有害物質要求
6	Language 語言	The Chinese version is the original and the reference in case of dispute 中文版本為原文，如有爭議，以中文版本為準

No. 序號	Source 來源	Substance Name 物質名稱	Abbr. 簡稱	EC No.	CAS No.	Limit PPM 限值 PPM	Restriction Scope 限制範圍	Possible Applications (for reference only) 可能的應用 (僅供參考)
1	RoHS 指令 ELV指令	Lead and its compounds 鉛及其化合物	Pb	-	7439-92-1	1000	all parts 所有零件	Battery, fuel, paint, plastic, crockery, caulking and solder. 電池, 燃料, 油漆, 塑膠, 陶器, 嵌縫膠及焊接劑.
2	RoHS 指令 ELV指令	Mercury and its compounds 汞及其化合物	Hg	231-106-7	7439-97-6	1000	all parts 所有零件	Paint, battery, Relay, Mercury-vapor lamp, thermometer, semiconductor products, catalyzer and mildew-proof agent. 油漆, 電池, 繼電器, 水銀燈, 溫度計, 半導體產品, 催化劑及防黴劑.
3	RoHS 指令 ELV指令	Cadmium and its compounds 鎘及其化合物	Cd	231-152-8	7440-43-9	100	all parts 所有零件	Pigment in paints, coating of metal, stabilizer in the manufacture process of plastic, dyes, solution in battery. 油漆中的色料, 金屬塗層, 塑膠生產過程中的穩定劑, 染料, 及電池內的電溶液.
4	RoHS 指令 ELV指令	Hexavalent chromium compounds 六價鉻化合物	Cr6+	-	1333-82-0	1000	all parts 所有零件	Chromium alloy or coating for treatment of antiwear or antiseptic surface, coating and stabilizer in dyes. 鉻化的合金或鉻鍍層以提供防磨的表面, 防腐蝕表面處理, 染料中的塗料, 穩定劑.
5	RoHS 指令	Polybrominated biphenyls 多溴聯苯	PBBs	-	-	1000	all parts 所有零件	Flame retardants. 阻燃劑.
6	RoHS 指令	Polybrominated diphenyl ethers 多溴聯苯醚	PBDEs	-	-	1000	all parts 所有零件	Flame retardants. 阻燃劑.
7	RoHS 指令	Benzyl butyl phthalate 鄰苯二甲酸丁苄酯	BBP	201-622-7	85-68-7	1000	all parts 所有零件	Plasticizer of Resin, PVC and acrylic 樹脂, PVC及丙烯酸樹脂的增塑劑
8	RoHS 指令	Bis (2-ethylhexyl)phthalate 鄰苯二甲酸二(2-乙基己)酯	DEHP	204-211-0	117-81-7	1000	all parts 所有零件	Plasticizer of Resin, PVC and round transparent products 樹脂, PVC及圓形透明製品等的增塑劑
9	RoHS 指令	Dibutyl phthalate 鄰苯二甲酸二丁酯	DBP	201-557-4	84-74-2	1000	all parts 所有零件	Adhesives, plasticizer in the coating of paper, pesticide for clothes 粘劑及紙張塗層中的增塑劑, 衣物殺蟲劑
10	RoHS 指令	Diisobutyl phthalate 鄰苯二甲酸二異丁酯	DIBP	201-553-2	84-69-5	1000	all parts 所有零件	Plasticizer 增塑劑等
11	IEC 61249-2-21 /IPCA-ES-01-1999 / IPC4101B	halogen (Cl &Br) 鹵素	-	-	-	Total halogens <1500 ppm Cl <900ppm; Br <900ppm	all parts 所有零件	Halogen is used as flame retardants, refrigeration, vesicant, solvents, organic chemical industrial raw materials, dye stuff, organic pesticides, bleachers, and some plastics such as PVC additives, etc...And the most important usage is FR. 阻燃劑、製冷劑、發泡劑、溶劑、有機化工原料、染料色母、有機殺蟲劑、漂白劑、一些塑膠材料如PVC添加劑, 等。最重要的應用是阻燃劑： Bromine: Refrigerants, flame retardants, dyestuff and pigment 溴化類: 製冷劑, 阻燃劑, 染料色母 Chlorine:Flame retardants, dyestuff and pigment, pesticide, bleacher, different kind of salt. 氯化類:阻燃劑, 染料色母, 殺蟲劑, 漂白劑, 各種鹽 Fluorine:Vesicant, Aerosol, Refrigerants and Fluorine content plastics 氟化類:發泡劑, 拋射劑, 製冷劑, 含氟塑料
12	REACH	SVHC 高度關注物質 Please refer to the latest SVHC list : https://echa.europa.eu/candidate-list-table	-	-	-	1000	all parts 所有零件	all Uses 所有用途
13	REACH XVII 1	Polychlorinated terphenyls 多氯三聯苯	PCTs	-	61788-33-8	banned 禁止	all parts 所有零件	Transformer, Capacitors, Electrical switches, Relay, Cables, motor, plasticizer used in plastic such as PVC and rubber ect, paint, coating, adhesive, flame retardant. 變壓器、電容器、電氣開關、繼電器、電纜、馬達; PVC等塑膠或橡膠中的增塑劑、油漆和塗料、粘劑、阻燃劑.
14	REACH XVII 4	Tris (2, 3 dibromopropyl) phosphate 三(2, 3 二溴丙基)磷酸鹽	TRIS	-	126-72-7	banned 禁止	all parts 所有零件	Flame retardant additives, textile 防火阻燃添加劑, 紡織品
15	REACH XVII 5	Benzene 苯	-	200-753-785	71-43-2	5	all parts 所有零件	Plastic products, paint ect. 塑膠產品, 塗料, 油漆等.
16	REACH XVII 6	Asbestos (all forms) 石棉	-	-	-	banned 禁止	all parts 所有零件	Plastic, silicone rubber, paint, coating, PCB, electronic parts, textile and leather 塑膠, 矽橡膠, 油漆、塗層, PCB印刷電路板, 電子零件, 紡織品及皮革
17	REACH XVII 19	Arsenic compounds 砷化合物	-	-	-	banned 禁止	wood treatment 木材處理	Used to improve the rigidity of non-ferrous alloys and improve the heat resistance of steel, and used in glass, pigment, dye, coating, semiconductor and drugs 有色金屬合金中提高合金的硬度, 加入鋼中以增加鋼的耐熱性, 此外還用於玻璃、顏料、染料、塗料、半導體及醫藥中
18	REACH XVII 20	Organostannic compounds 有機錫化合物	-	-	-	1000	all parts 所有零件	Used as heat stabilizer and catalyser in plastic industry; insecticide and bactericide in agriculture and textile ; used as Preservative and paint in forestry and shipping 在化工方面的塑膠行業用作熱穩定劑、催化劑;在農業、醫藥、紡織方面用途殺蟲劑、殺菌劑;林業和船舶方面用作防腐劑和塗料等.
19	REACH XVII 21	Di-μ-oxo-di-n-butylstanniohydroxyborane/Dibutyltin hydrogen borate C ₈ H ₁₈ BO ₃ Sn 二-μ-氧-正丁基錫羥基硼烷/二丁基錫氫硼酸	DBB	401-040-5	75113-37-0	1000	all parts 所有零件	/

20	REACH XVII 22 持久性有机污染物法规 (POPs) TSCA	Pentachlorophenol, its salts and esters 五氯苯酚及其鹽和醚	PCP/PCTP	201-778-6	87-86-5 131-52-2 27735-64-4 3772-94-9 1825-21-4	banned 禁止	all parts 所有零件	Herbicide, wood antiseptic and used for preventing Rotten wood fungi ect. Should pay attention to timber and textile in electronic products such as hi-fi. It is also used in packaging material. 除草劑, 也用於木材防腐、防治朽木菌等。電子產品中木材和紡織物中應該關注, 如音箱中用到的, 另外, 包裝材料中也可能含有。
21	REACH XVII 24	Monomethyl-tetrachlorodiphenyl methane 單甲基四氯二苯基甲烷	Ugilec 141	-	76253-60-6	banned 禁止	all parts 所有零件	Stabilizer in plastic, pigment, plating, Fluorescent lamp, paint 塑膠中使用的穩定劑、顏料, 電鍍, 螢光燈、塗料
22	REACH XVII 25	Monomethyl-dichloro-diphenyl methane 單甲基二氯二苯基甲烷	Ugilec 121 Ugilec 21	-	-	banned 禁止	all parts 所有零件	Stabilizer in plastic, pigment, plating, Fluorescent lamp, paint 塑膠中使用的穩定劑、顏料, 電鍍, 螢光燈、塗料
23	REACH XVII 26	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers 單甲基-二溴-二苯基甲烷-溴苯基甲基苯, 異構體混合物	DBBT	-	99688-47-8	banned 禁止	all parts 所有零件	Stabilizer in plastic, pigment, plating, Fluorescent lamp, paint 塑膠中使用的穩定劑、顏料, 電鍍, 螢光燈、塗料
24	REACH XVII 31	Creosotes 雜芬油	-	-	-	banned 禁止	wood treatment 木材處理	Wood corrosion inhibitor 木材防腐劑
25	REACH XVII 44	Diphenylether, pentabromo derivative C12H5Br5O 聯苯醚的五溴代衍生物	-	-	-	1000	all parts 所有零件	Flame retardant 阻燃劑
26	REACH XVII 45	Diphenylether, octabromo derivative C12H2Br8O 聯苯醚的八溴代衍生物	-	-	-	1000	all parts 所有零件	Flame retardant 阻燃劑
27	REACH XVII 50 持久性有机污染物法规 (POPs)	Polyaromatic hydrocarbons 多環芳香族碳氫化合物總和	PAHs	-	-	banned 禁止	all parts 所有零件	Plastic, silicone rubber, paint, coating 塑膠, 矽橡膠, 油漆及塗層
28	REACH XVII 61	Dimethylfumarate 富馬酸二甲酯	DMF	210-849-0	624-49-7	banned 禁止	all parts 所有零件	Perservative 用作防腐劑
29	94/62/EC包裝指令	Sum of heavy metals Pb, Hg, Cd & Cr6+ 重金屬總和: 鉛, 汞, 鎘, 六價鉻	-	-	-	100	packaging 包裝	Packaging material 包裝材料
30	EC 1005/2009 & 蒙特利爾議定書	Bromofluorocarbons 溴氟碳化物	BFCs	-	-	banned 禁止	all parts 所有零件	Organic synthesis ethyl agent, refrigerant 有機合成的乙基化劑, 製冷劑
31	EC 1005/2009 & 蒙特利爾議定書	Hydrochlorofluorocarbons 氫氟氯烴	HCFCs	-	-	banned 禁止	all parts 所有零件	Cleaners, vesicant, refrigerant 清潔劑, 發泡劑, 製冷劑
32	EC 1005/2009 & 蒙特利爾議定書	Hydrofluorocarbons 氫氟碳化物	HFCs	-	-	restricted 限制	all parts 所有零件	Coolant, extinguishing agent, cleaning solvent 空調冷媒, 滅火劑, 清洗溶劑
33	EC 1005/2009 & 蒙特利爾議定書	Perfluorinatedcarbons 全氟化碳	PFCs	-	-	banned 禁止	all parts 所有零件	Coolant, extinguishing agent, aerosol, cleaning solvent 空調冷媒, 滅火劑, 氣膠, 清洗溶劑
34	EC 1005/2009 & 蒙特利爾議定書	Sulphur-hexafluoride 六氟化硫	SF6	-	2551-62-4	banned 禁止	all parts 所有零件	Coolant, extinguishing agent, aerosol, cleaning solvent, insulating gas fire extinguishing agent ect. 空調冷媒, 滅火劑, 氣膠, 清洗溶劑, 絕緣氣體滅火劑等
35	EC 1005/2009 & 蒙特利爾議定書	Carbon tetrachloride (Tetrachloromethane) 四氯化碳	-	200-262-8	56-23-5	banned 禁止	all parts 所有零件	Resin solvent, dyes, extractant of spicery, intermediates of resin and rubber 用作樹脂的溶劑, 染料, 香料的萃取劑, 樹脂和橡膠等的中間體
36	EC 1005/2009 or 蒙特利爾議定書	1, 1, 1 Trichloroethane (methyl chloroform) 1, 1, 1-三氯乙烷	-	200-756-3	71-55-6	banned 禁止	all parts 所有零件	Resin solvent, dyes, extractant of spicery, intermediates of resin and rubber 用作樹脂的溶劑, 染料, 香料的萃取劑, 樹脂和橡膠等的中間體
37	持久性有机污染物法规 (POPs) EC 850/2004	Polychlorinated biphenyls 多氯聯苯	PCBs	-	1336-36-3	banned 禁止	all parts 所有零件	Plastic, silicone rubber, paint, coating, PCB, electronic parts, textile and leather 塑膠, 矽橡膠, 油漆、塗層, PCB印刷電路板, 電子零件, 紡織品及皮革
38	Customer	Brominated flame retardants 溴系阻燃劑	BFRs	-	-	900	all parts 所有零件	Flame retardants, fire-resistant material ect. 阻燃劑, 耐火材料等
39	Customer	Polyvinyl chloride 聚氯乙烯	PVC	-	9002-86-2	banned 禁止	packaging 包裝	Plastic, board, pipe, toys, doors and windows, coat of wire 塑膠, 板材, 管材, 玩具, 門窗, 電線外皮
40	Customer	Polyvinyl chloride 聚氯乙烯	PVC	-	9002-86-2	1000	except packaging 除包裝外	Plastic, board, pipe, toys, doors and windows, coat of wire 塑膠, 板材, 管材, 玩具, 門窗, 電線外皮
41	Customer	Vinyl chloride monomer 氯乙烯	VCM	-	75-01-4	10	all parts 所有零件	Wire insulation, food packaging, paper, glass 電線絕緣, 食物包裝, 紙張, 玻璃
42	Customer	Bis (2, 3-dibromopropyl) phosphate 二(2, 3-二溴丙基)磷酸鹽	-	-	5412-25-9	banned 禁止	all parts 所有零件	Leather, flame retardant additives 皮革, 防火阻燃添加劑
43	Customer	Beryllium and its compounds 鈹及其化合物	Be	-	7440-41-7	1000	all parts 所有零件	Aviation engineering material, reactor nuclear, alloy material 主要用於航空工程材料, 核反應堆, 合金材料
44	Customer	Formaldehyde 甲醛	-	-	50-00-0	20	textile & leather 編織與皮革	Timber, leather, synthetic fiber 木材, 皮革, 合成纖維
45	Customer	Formaldehyde 甲醛	-	-	50-00-0	0.05	emission from woodproducts 從木製品中釋放	Timber, leather, synthetic fiber 木材, 皮革, 合成纖維
46	Customer	Polyhalogenated dibenzo-p-dioxins and Dibenzofurans 多溴代二苯並二惡英	-	-	-	banned 禁止	all parts 所有零件	Flame retardant 阻燃劑

47	Customer	Antimony and its compounds 錫及其化合物	-	-	-	1000	lamps&Plastic 燈泡&塑料	Battery plate, Bearing Alloy, ceramics, rubber, paint, textile, glass 蓄電池極板, 軸承合金, 陶瓷, 橡膠, 油漆, 紡織, 玻璃
48	Customer	Benzotriazole and its derivatives 苯並三唑	-	-	-	avoid 避免	all parts 所有零件	Plating to passivate silver, copper, zinc to prevent discoloration 在電鍍中用以表面鈍化銀: 銅: 鋅, 有防變色作用
49	Customer	Thorium oxide 氧化鈾	-	-	-	avoid 避免	all parts 所有零件	Gas lamp chador, ceramic materials 煤氣燈的紗罩, 陶瓷材料
50	Customer	Cyanides and its compounds 氰及氰化物	-	-	-	avoid 避免	all parts 所有零件	Plating, washing, paint, pigment, rubber and other field 電鍍、洗滌、油漆、染料、橡膠等行業
51	Customer	Glycol ether acetate 乙二醇甲醚醋酸酯	-	-	-	avoid 避免	all parts 所有零件	/
52	Customer	Phosphoric acid tributyl ester 磷酸三丁酯	-	-	-	avoid 避免	all parts 所有零件	Cellulose nitrate, cellulose acetate, plasticizer of chlorinated rubber and PVC, paint; adhesive and solvent of ink, defoamer, anti-static agent 用作硝酸纖維素, 乙酸纖維素, 氯化橡膠和聚氯乙烯的主增塑劑, 也常用作塗料, 黏合劑和油墨的溶劑, 消泡劑, 消靜電劑
53	Customer	Selenium and its compounds 硒及其化合物	-	-	-	avoid 避免	all parts 所有零件	Xerography, porcelain enamel paint, glass, pigment of ink, plastic, Photocell, rectifier, Optical instruments, Photometer ect. 幹印術, 油漆搪瓷, 玻璃和墨水中的顏色, 塑膠, 適用於製作光電池, 整流器, 光學儀器, 光度計等.
54	Customer	Sulphones 磺	-	-	-	avoid 避免	all parts 所有零件	Oils and lubricants 油及潤滑油
55	持久性有机污染物法规 (POPs) TSCA	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) 十溴聯苯醚	DBDE	214-604-9	1163-19-5	banned 禁止	all parts 所有零件	Flame retardants 阻燃劑
56	持久性有机污染物法规 (POPs) EU/2019/1021&EU/2020/784&2006/122/EC	Pentadecafluorooctanoic acid, its salts and PFOA-related compounds 全氟辛酸銨及其鹽類, 和相關PFOA化合物	PFOA	206-397-9	335-67-1	banned 禁止	all parts 所有零件	The production of fluorine-containing polymer and fluorine rubber, non-stick cookware production emulsifier 含氟聚合物和氟橡膠的生產, 不粘廚具生產中的乳化劑
57	欧盟电池指令 2006/66/EC and its amendment 2013/56/EU	Mercury 汞	Hg	231-106-7	7439-97-6	20	Battery 電池	Please note: this item apply to Battery only. 請知悉, 此項僅適用於電池。
58	欧盟电池指令 2006/66/EC and its amendment 2013/56/EU	Cadmium 鎘	Cd	231-152-8	7440-43-9	5	Battery 電池	Please note: this item apply to Battery only. 請知悉, 此項僅適用於電池。
59	欧盟电池指令 2006/66/EC and its amendment 2013/56/EU	Lead 鉛	Pb	231-100-4	7439-92-1	40	Battery 電池	Please note: this item apply to Battery only. 請知悉, 此項僅適用於電池。
60	《Prohibition of Certain Toxic Substances Regulations 2012, SOR/2012-285》	Benzennamine,N-phenyl-,Reaction Product with Styrene and 2,4,4-Trimethylpentene 苯乙炔和2,4,4-三甲基戊烯的反應物	BNST	-	68921-45-9	banned 禁止	all parts 所有零件	BNST is used as an antioxidant in vehicle engine oil and in some commercial and industrial lubricants 常作為抗氧化劑用於汽車引擎油和—些商業、工業潤滑油中
61	GB30981-2020	VOCs 揮發性有機化合物	-	-	-	標準中5.要求,表1、表2、表3、表4的VOC限量值	all parts 所有零件	industrial protective coatings 工業防護塗料
62	GB33372-2020	VOCs 揮發性有機化合物	-	-	-	標準中5.VOC 含量限量 表1、表2、表3 製造業限量值	all parts 所有零件	Adhesives 膠黏劑
63	GB38507-2020	VOCs 揮發性有機化合物	-	-	-	標準中5.要求中表1VOC含量的限值	all parts 所有零件	Printing ink 油墨
64	GB38508-2020	VOCs 揮發性有機化合物	-	-	-	標準中5.限值要求 表1、表2 VOC 含量限值	all parts 所有零件	Cleaning agents 清洗劑
65	持久性有机污染物法规 (POPs) EU 2019/1021	Tetrabromodiphenyl ether 四溴二苯醚	-	254-787-2	40088-47-9	banned 禁止	all parts 所有零件	used in PUR foams, plastics of electrical and electronic equipment, vehicles, aircrafts, trains and ships, textiles, adhesives, sealants, coatings, inks, wires and cables, pipes, carpets, upholstery, mattresses 用於聚氨基甲酸酯泡沫, 電子電器塑膠件, 車輛, 航空器, 火車, 紡織品, 膠黏劑, 密封劑, 油墨, 塗粉, 線材, 管道, 地毯, 裝飾材料, 床墊。
66	持久性有机污染物法规 (POPs) EU 2019/1021	Pentabromodiphenyl ether 五溴二苯醚	pentaBDE	251-084-2	32534-81-9	banned 禁止	all parts 所有零件	used in PUR foams, plastics of electrical and electronic equipment, vehicles, aircrafts, trains and ships, textiles, adhesives, sealants, coatings, inks, wires and cables, pipes, carpets, upholstery, mattresses 用於聚氨基甲酸酯泡沫, 電子電器塑膠件, 車輛, 航空器, 火車, 紡織品, 膠黏劑, 密封劑, 油墨, 塗粉, 線材, 管道, 地毯, 裝飾材料, 床墊。
67	持久性有机污染物法规 (POPs) EU 2019/1021	Hexabromodiphenyl ether 六溴二苯醚	-	253-058-6	36483-60-0	banned 禁止	all parts 所有零件	used in PUR foams, plastics of electrical and electronic equipment, vehicles, aircrafts, trains and ships, textiles, adhesives, sealants, coatings, inks, wires and cables, pipes, carpets, upholstery, mattresses 用於聚氨基甲酸酯泡沫, 電子電器塑膠件, 車輛, 航空器, 火車, 紡織品, 膠黏劑, 密封劑, 油墨, 塗粉, 線材, 管道, 地毯, 裝飾材料, 床墊。

68	持久性有机污染物法规 (POPs) EU 2019/1021	Heptabromodiphenyl ether 七溴二苯醚		273-031-2	68928-80-3	banned 禁止	all parts 所有零件	used in PUR foams, plastics of electrical and electronic equipment, vehicles, aircrafts, trains and ships, textiles, adhesives, sealants, coatings, inks, wires and cables, pipes, carpets, upholstery, mattresses 用於聚氨酯泡沫, 電子電器塑膠件, 車輛, 航空器, 火車, 紡織品, 膠黏劑, 密封劑, 油墨, 塗粉, 線材, 管道, 地毯, 裝飾材料, 床墊。
69	持久性有机污染物法规 (POPs) EU 2019/1021& 2006/122/EC	Perfluorooctane Sulfonic acid and its derivatives 全氟辛烷磺酸及其衍生物	PFOS	217-179-8 220-527-1 249-644-6 249-415-0 274-460-8 260-375-3 223-980-3 250-665-8 216-887-4 246-262-1 206-200-6	1763-23-1 2795-39-3 29457-72-5 29081-56-9 70225-14-8 56773-42-3 251099-16-8 4151-50-2 31506-32-8 1691-99-2 24448-09-7 307-35-7	banned 禁止	all parts 所有零件	used in leather/apparel, textiles/upholstery, coatings and coating additives, pesticide and insecticide, Metal plating industry, photographic industry, semiconductor industry, Hydraulic fluids in aviation industry, fire fighting foam stock. 用於皮革/服裝, 紡織品/裝飾品, 塗粉及其添加物, 殺蟲劑和農藥, 金屬電鍍業, Fextile, carpet, Leather shoes, manufacture of paper, packaging, printing and dyeing, washing, cosmetics, fire agent, Hydraulic oil and other manufacture field 應用於紡織品、地毯、皮鞋、造紙、包裝、印染、洗滌、化妝品、消防劑及液壓油等製造領域
70	持久性有机污染物法规 (POPs) EU 2019/1021	Hexachlorobenzene 六氯苯	HCB	204-273-9	118-74-1	banned 禁止	all parts 所有零件	used in pesticide and fungicide, use as a chemical intermediate in dye manufacturing, in the synthesis of other organic chemicals, and used as a raw material for synthetic rubber, as a plasticizer for polyvinyl chloride 用於殺蟲劑和殺菌劑, 作為染料、合成有機化學物生產化學中間劑, 作為合成橡膠原材料, 聚錄乙烯增塑劑
71	持久性有机污染物法规 (POPs) EU 2019/1021	Mirex 滅蟻靈	-	219-196-6	2385-85-5	banned 禁止	all parts 所有零件	used as insecticide, and used as a flame retardant in plastic, rubber, paint, paper, and electrical goods. 用於殺蟲劑, 用於塑膠, 橡膠, 油漆, 造紙和電子產品的阻燃劑
72	持久性有机污染物法规 (POPs) EU 2019/1021	Hexabromobiphenyl 六溴代二苯	HBB	252-994-2	36355-01-8	banned 禁止	all parts 所有零件	used as a fire retardant in thermoplastic, coatings, lacquers, polyurethane foam for auto upholstery 用於熱塑膠, 噴塗, 油漆, 以及用於汽車內飾的聚亞安酯泡沫。
73	持久性有机污染物法规 (POPs) EU 2019/1021 TSCA	Hexachlorobutadiene 六氯丁二烯	HCBD	201-765-5	87-68-3	banned 禁止	all parts 所有零件	used as a solvent in chlorine gas production, an intermediate in the manufacture of rubber compounds, a lubricant, a glyscopic fluid, a pesticide 用於氯氣生產的容器, 用於合成塑膠、潤滑劑, 液體介質生產的中間介質, 殺蟲劑
74	持久性有机污染物法规 (POPs) EU 2019/1021	Polychlorinated naphthalenes(7) 多氯萘 (7)	PCNs	274-864-4	70776-03-3	banned 禁止	all parts 所有零件	used in cable insulation, wood perservation, engine oil additives, electroplating masking compounds, capacitors. 用於線材絕緣, 木材保存, 機油添加劑, 電鍍材料, 電容
75	持久性有机污染物法规 (POPs) EU 2019/1021	Polychlorinated dibenzo-p-dioxins and dibenzofurans 多氯二苯並對二惡英和二苯並呋喃	(PCDDs/PCDFs)	-	-	banned 禁止	all parts 所有零件	used in capacitor, transformers, plasticizers, coatings, inks, adhesives, flame retardants, pesticide extenders, paints and lubricating oils 用於電容, 變壓器, 增塑劑, 塗料, 油墨, 膠黏劑, 阻燃劑, 殺蟲混合劑, 油漆和潤滑油
76	持久性有机污染物法规 (POPs) EU 2019/1021	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane 六溴環十二烷和所有確定的主要非對映異構體: α -六溴環十二烷, β -六溴環十二烷, γ -六溴環十二烷	HBCDD	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	banned 禁止	all parts 所有零件	Flame retardants of textile and High impact polystyrene 紡織品及耐衝擊聚苯乙烯(俗稱:改苯)阻燃劑
77	持久性有机污染物法规 (POPs) EU 2019/1021	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) 短鏈氯化石蠟	SCCP	287-476-5	85535-84-8	1000	all parts 所有零件	Coating of leather, plasticizer of PVC and chloridized rubber, flame retardants of textile and plastic 皮革塗層, PVC及氯化橡膠的增塑劑; 紡織品及塑膠中的阻燃劑
78	TSCA	Phenol, Isopropylated Phosphate (3:1) 異丙基化磷酸三苯酯	PIP 3:1	-	68937-41-7	banned 禁止	all parts 所有零件	used in plastic material and resin manufacturing, plastic product manufacturing, paint and coating manufacturing, adhesive manufacturing, synthetic rubber manufacturing, sealants. 由於塑膠材料及樹脂生產, 塑膠製品生產, 噴塗生產, 膠黏劑生產, 合成橡膠生產, 密封劑。
79	TSCA	2,4,6-Tris(tert-butyl)phenol 2,4,6-三叔丁基苯酚	TTBP	211-989-5	732 - 26 - 3	banned 禁止	all parts 所有零件	used as rubber anti-aging agent, antioxidational agent 主要用作橡膠防老劑、抗氧劑。
80	持久性有机污染物法规 (POPs) TSCA REACH	PFAS 全氟和多氟烷基物質	-	-	-	restricted 限制	all parts 所有零件	It is used in consumer products such as food packaging, cookware, clothing, furniture, camping equipment, dental floss, lubricating oil and stain remover。 应用于食品包装、炊具、服装、家具、露营装备、牙线、润滑油和去污剂等消费品中
81	GADSL 全球汽车申报物质清单	GADSL 最新清单以 CAMDS 或 IMDS 数据进行申报 The latest GADSL list is declared with CAMDS or IMDS data Please refer to the latest GADSL list : https://www.gadsl.org	-	-	-	-	Auto parts 汽车零件	all Uses 所有用途