



Guarantee letter regarding substances included in Materials

Doc. No. : TNR00016

Rev. : 10.4

Date : 2022/02/07

Base on Q3-X3104 The Restricted Standard of Products and Raw Materials, to warrants that all of the parts, components, materials and products including, but not limited to, the peripherals, accessories or packages, manufactured and/ or delivered to Thinking / Welkin Electronic Industrial Co., Ltd.(including subsidiaries and affiliated company of TKS) directly or indirectly by our company (including our subsidiaries or affiliated companies) are banned substances comply with the Part I to Part III required standard and provide the 3rd party test report. However, it is not limited to this restricted standard. **When restricted substances added with the update of HSF regulations (RoHS, REACH, GADSL or China VOC etc) exist in the products, suppliers must notify Thinking / Welkin Electronic Industrial Co., Ltd. (including subsidiaries and affiliated company of TKS) if the product doesn't meet HSF regulation limits. Please notify us within two weeks after the regulations announced. If not, the product will be considered to meet regulations.**

Suppliers should pay attention to regulatory developments and meet regulatory minimum.If our customers or TKS does not publish stricter standard, this guarantee will not be signed back for another revision.

為了保證向興勤/為勤電子工業股份有限公司及其企業集團供應的產品、零件(包括附屬品，包裝類，其他產品及其所有部件)中，依據Q3-X3104產品原物料限用物質管制標準，均必須符合第一~三部份要求之規格並提供第三方公證單位檢驗報告。**然而，不限於此管制標準，當HSF環保規範(RoHS、REACH、GADSL、China VOC...等)更新而新增的限用物質存在於供應產品中，若產品不符合HSF環保規範限值，供應商須主動通知興勤/為勤電子工業股份有限公司及其企業集團。請於規範公佈後兩週內通知我們，若否，該產品將被視為符合規定。** 供應商應自行關注法規動態並符合法規最低限值，若客戶或興勤對此無要求加嚴管制濃度，則此保證書不另行改版簽回。

If we violate this agreement, all responsibility and expenses for any problems caused will be ours, and we will indemnify Thinking / Welkin Electronic Industrial Co., Ltd.

若本公司違反上述保證書，因而造成興勤/為勤電子工業股份有限公司及其企業集團的損失及風險，本公司將承擔一切責任，並補償貴公司由此發生的一切損失費用。

Regardless of the organization change and the contractor resigning, the lawful effect of this warranty never changes.

本保證書不因本公司改組或簽約人離職等因素而改變其法律效力。

Signature personnel must be above the manager level.

簽核人員須為經理級以上。

Products (Please fill the product name):

交易產品 (請填入產品名稱):

Remark:

Company : _____
Signature _____ (Manager or top manager level)
Title _____
Date _____

Company Stamp



Survey regarding substances included in Materials

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Rev. : 1.2

According to our regulations, please describe non-conformity or declaration items in the table below.
根據我們的規定，請在下表中描述不合格或需揭露項目。

No	Restricted Substance 限用之物質	CAS No.	Application Scope 適用範圍	Concentration 濃度

Company : _____
Signature : _____
Title : _____
Date : _____

Company Stamp

		RoHS			Halogen	POPs		Metal	Non-metal	Flame Retardants		REACH
		Pb, Cd, Hg, Cr ⁺⁶	PBBs, PBDEs	BBP, DBP, DIBP, DEHP	F, Cl, Br, I	PFOS, PFOA	HBCDD	Be	As	Sb (except antimony materials and flame retardants for wire)	Red phosphorus (except flame retardants for wire)	REACH svhc
一般材料 Normal materials	金屬 metal	●						●				
	金屬氧化物 metal oxide	●	●	●	●	●						
	陶瓷 ceramic	●						●				
	金屬線 metal wire	●						●				
	塑膠 plastic	●	●	●	●	●						
	無鹵溶劑 HF solvent	●	●	●	●	●						
	金屬膏 metal paste	●	●	●	●	●		●				
	玻璃或玻璃膏 glas or glass paste	●							●			
	塗料(硬化劑、塑化劑、樹脂、油墨...) coating(hardener, plasticize, resin, ink...)	●	●	●	●	●						
	絕緣電線 cable	●	●	●	●	●						
	電子元件 electronic component	●	●	●	●	●						
	其它材料 Other materials	●	●	●								
	其它材料(無鹵) Other materials (HF)	●	●	●	●							
車用材料(經與勤指定) Automobile materials, specified by THINKING	金屬 metal	●						●				
	金屬氧化物 metal oxide	●	●	●	●	●						
	陶瓷 ceramic	●						●				
	金屬線 metal wire	●						●				
	塑膠 plastic	●	●	●	●	●						
	無鹵溶劑 HF solvent	●	●	●	●	●	●			●	●	
	金屬膏 metal paste	●	●	●	●	●	●	●		●	●	
	玻璃或玻璃膏 glas or glass paste	●							●			
	塗料(硬化劑、塑化劑、樹脂、油墨...) coating(hardener, plasticize, resin, ink...)	●	●	●	●	●	●			●	●	
	絕緣電線 cable	●	●	●	●	●	●			●	●	
電子元件 electronic component	●	●	●	●	●	●			●	●		
其它材料 Other materials	●	●	●									
其它材料(無鹵) Other materials (HF)	●	●	●	●								
非生產用料 Non-production materials	洗淨劑 Detergent	●	●		●	●						
	束帶 Banding	●	●	●	●							
	包裝材料(紙箱、紙盒、載帶、上膠帶、下膠帶、氣泡墊、保麗龍) Packing (carton, box, tape, cover tape, bottom tape, airbubble wrap, styrofoam)	●	●	●	●							
	油品 Oil	●	●	●	●							

產品原物料限用物質管制標準

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	日期	版次	修改內容
修訂記錄	2021-4-9	10.3	REACH SVHC更新至211項 第一部分銻與銻的化合物，修改無銻品中的塑料、塗料、墨水允許濃度(1000ppm→700ppm) 第一部分更新材質檢驗表 第二部分新增異丙基化磷酸三苯酯、五氯硫酚 更新GADSL清單
	2022-2-7	10.4	第一部分氯+溴之總和的允許濃度由<900ppm調整為<800ppm 更新材質檢驗表 第二部分新增礦物油、POPs物質、加州65號法案清單物質 PFOA、PFOS拆分成第一部分及第二分管制 全氟壬酸、全氟癸酸、全氟十一烷酸、全氟十二酸、全氟十三酸、全氟十四酸，修改允許濃度為ND 第三部份REACH高關注物質，新增12項新SVHC物質，累積至SVHC 223項 表A6. 新增PFAS相關化合物 新增RoHS排外條款45

2.目的 Objective

本標準目的是對於興勤集團（以下簡稱“本公司”。）採購一般材料、車用材料、非生產用材料等含有的化學物質明確“禁用物質”、“信息傳達”、“對供應商的調查要求”及“運用”事項，並遵守法律規定、顧客要求及行業標準。

This Standard aims to specify “prohibited substances”, “information communication”, “request for survey to Supplier” and “operation” for chemical substances contained in normal materials, automotive materials and non-production materials that THINKING Group procures, and to comply with legal regulations, customer requirements and industrial standards.

3.範圍 Scope

3.1 產品適用範圍 Scope applicable to products

(a) 興勤自製HSF產品

The hazardous substances free products, which are manufactured by THINKING.

(b) 興勤委託代工廠製造之HSF產品

The hazardous substances free products, which are outsourced by THINKING group to foundaries to manufacture.

(c) 客戶委託興勤設計、製造之HSF產品

The hazardous substances free products, which are authorized by customers for THINKING group to design, manufacture.

(d) 適用於本公司興勤電子(HQ)、楠梓廠(NZ)、東莞廠(DG)、常州廠(CZ)、宜昌廠(YC)、景德廠(JD)

It applies to HQ, NZ, DG, CZ, YC, JD.

3.2 一般材料、車用材料、非生產用料適用範圍

Scope applicable to normal materials, automotive materials and non-production materials

適用於興勤採購、製造、銷售之一般材料、車用材料、非生產用料，均需符合本管制標準之規定。

The normal materials, automotive materials and non-production materials that are purchased, manufactured or sold, all need to satisfy the criteria in the standard.

3.3 除外範圍 Exemption Scope

供應商出貨至興勤材料之附屬品(如：包材)，不隨本公司出貨者。

Accessories (e.g. packaging) to the materials from vendors, not accompany THINKING's shipment.

3.4 本標準為規範之物質或用途，仍應遵照興勤之各項環境及安全衛生管理辦法。若當地或國家法令禁止使用，亦必須遵照其規定執行。若興勤規範與興勤之客戶標準衝突時，以客戶標準為基準。

Regarding the substances or their purposes whose use is bsnned by regional or country laws and ordinances, THINKING environment & safety and health management procedure must be observed even though the substances or their purposes are not clarly regulated in the standard. Customer's requests must also be observed while this standard has conflicted with the resulation of customer.

4. 定義 Definitions

本標準對術語定義如下 In the standard, terms are defined as follow:

4.1 有害物質 Hazard Substances (HS)

經興勤與其客戶判定在材料中，對人類或環境存在顯著影響之物質。

The substances contained in the materials, may have significant environmental impact on both human and the global environment, which are judge by THINKING and its' customer.

4.2 有害物質減免 Hazard Substance Free (HSF)

泛指減少或禁用任何列表於本管制標準之物質。

Refer to the reduction or elimination of any substances as listed in this control standard.

4.3 管理等級 Management levels

為管理有害物質，按照以下四種部份區分。

To distinguish the below-mentioned substances, the following four parts are used.

(a) 第一部分 Part I

管制物質須符合標準並根據我方規定提供第三方公正單位檢驗報告。

Regulated substances must comply with standard and provide the 3rd party test report according to our regulations.

(b) 第二部分 Part II

管制物質須符合標準，但是無需提供第三方測試報告。

Regulated substances must comply with standard, but needn't to provide the 3rd party test report.

當對象物質經興勤判定為重要管制對象且必須被檢驗，則移至第一部分。

Target substances must be moved to Part I when judged to be a important control target and need to be tested.

(c) 第三部分 Part III

高關注物質須符合標準，必要時需提供第三方公正單位檢驗報告。

Substances of Very High Concern (SVHC) must comply with standard and provide the 3rd party test report according to our regulations if necessary.

(d) 豁免項目 Exemption

未納入法律管制、客戶禁止且適用歐盟豁免條款之物質。

The substances are not restricted with law or customer, and is applicable to EU RoHS or ELV exemption.

4.4 一般材料 Materials

構成與動產品之材料(如金屬粉末、金屬膏、玻璃、電鍍材料等)、生產中使用之輔助材料(如溶劑、薄膜等)和組件中的零配件(如電阻、電線、端子等)。

Materials compose of THINKING products (such as metal powder, metal paste, glass and plated materials etc.), auxiliary materials with production (such as solvent, film etc.), and components in parts (such as resister, lead wire, terminal etc.).

4.5 車用材料 Automotive materials

客戶用於汽車產品的組成材料，但非生產用料不在此列。

Materials compose of automotive products, but without non-production materials.

4.6 非生產用料 Non-production materials

未列入BOM表但使用於生產過程之產品，包含與產品一起出至客戶端之物品或材料(如包材、塑膠袋、膠帶、洗淨劑等)。

Goods or materials not listed in the BOM table, but should be used when producing, include goods deliver to customer together with THINKING products (such as packaging, plastic bag, tape, detegent).

4.7 物質 Substances

指在自然狀態下或通過任何製造過程所獲得的化學元素或化合物，包括為維持穩定性而有必要的任何添加劑和加工過程中所產生的任何雜質，但不包括不會影響物質穩定性或不改變其成分的可分離溶劑。

A chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve stability and an impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substances or changing its composition.

4.8 配置品 Preparation

有兩種或兩種以上物質組成的混合物或溶液，例如：塗料、潤滑劑或油墨。

It means a mixture or solution composed of two or more substances, for example, paint, lubricant or ink.

4.9 CAS註冊號碼 CAS Number

化學文摘社註冊號碼用於表示化學品的身分代碼，如銀金屬的號碼為7440-22-4。

Chemical Abstract System number is assign to chemicals for unique identification, for example, the CAS number for metal

4.10 包裝材料 Packaging materials

為了將物品由生產者送至使用者或客戶，使用可裝入、保護、使用、傳送、與交付等功能之任何材料所構成之產品。

Products made from any materials to be used, from raw materials to processed goods from the producer to the user or customers.

5. 表單 Forms

◎產品含有物質的保證書 (TNR00016)

Guarantee letter regarding substances included in Materials (TNR00016)

6. 第一部分：以下項目須符合標準並根據我方規定提供第三方公正單位檢驗報告

Part I: Following items must comply with standard and provide the 3rd party test report according to our regulations.

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
1	Cadmium and cadmium compounds 鎘及鎘化合物	7440-43-9 and compounds	Packaging 包裝材料	< 5 ppm
			All applications 全範圍適用	ND
2	Lead and lead compounds 鉛及鉛化合物	7439-92-1 and compounds	Plastic, rubber 產品內塑膠、橡膠	< 30 ppm
			Ink 油墨	<40 ppm
			Painting in products 塗料	ND
			Solder and plating of lead 焊錫、導線上鍍層	< 300 ppm
			Other non-metal materials on surface 表面其他非金屬材料	< 30 ppm
Except for above application 上述外其他應用	< 90 ppm			
3	Mercury and mercury compounds 汞及汞化合物	7439-97-6 and compounds	Packaging 包裝材料	ND
			All applications 全範圍適用	ND
4	Hexavalent chromium and Hexavalent chromium compounds 六價鉻及六價鉻化合物	1333-82-0 and compounds	Packaging 包裝材料	ND
			All applications 全範圍適用	ND
5	Pb+Cd+Hg+Cr ⁶⁺ 鉛+鎘+汞+六價鉻之總和	-	Packing 包裝材料	< 50 ppm
6	PBB(Polybromobiphenyl) category 多溴聯苯(一溴聯苯、二溴聯苯...十溴聯苯)	-	All applications 全範圍適用	ND
7	PBDE(Polybrominated biphenyl ethers) category 多溴二苯醚(一溴二苯醚、二溴二苯醚...十溴二苯醚)	-	All applications 全範圍適用	ND
8	DBP(Dibutyl phthalate) 鄰苯二甲酸二丁酯	84-74-2	All applications 全範圍適用	ND
9	BBP(Benzyl butyl phthalate) 鄰苯二甲酸丁酯苯甲酯	85-68-7	All applications 全範圍適用	ND
10	DEHP(Bis(2-ethylhexyl) phthalate) 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	All applications 全範圍適用	ND

11	DIBP(Diisobutyl phthalate) 磷苯二甲酸二異丁酯	84-69-5	All applications 全範圍適用	ND	
12	Bromine(Br) and bromine compounds 溴及溴化合物	-	HF materials 無鹵材料	< 400 ppm	
13	Chlorine(Cl) and chlorine compounds 氯及氯化物	-	HF materials 無鹵材料	< 400 ppm	
14	Total concentration of Chlorine (Cl) + Bromine (Br) 氯+溴之總和	-	HF materials 無鹵材料	< 800 ppm	
15	Persistent Organic Pollutants (POPs) 持續性有機汙染物	Perfluorooctane sulfonate (PFOS) <i>and its salt</i> 全氟辛烷磺酸(PFOS)及其鹽類	2795-39-3 29081-56-9 29457-72-5 70225-14-8 56773-42-3 251099-16-8 307-35-7 3825-26-1	All applications 全範圍適用	ND
		Perfluorooctanoic acid (PFOA) <i>and its salt</i> 全氟辛酸(PFOA)及其鹽類	335-95-5 2395-00-8 335-93-3 335-66-0	All applications 全範圍適用	ND
		Hexabromocyclododecane (HBCDD) 六溴環十二烷	25637-99-4	All applications 全範圍適用	ND
16	Beryllium(Be) and Beryllium compounds 鈹和鈹的化合物	7440-41-7 and compounds	All applications 全範圍適用	ND	
17	Antimony and Antimony compounds 銻與銻的化合物	7440-36-0 and compounds	Plastic, coating and Ink in Sb-Free products 無銻品中的塑料、塗料、墨水 Except for above application 上述外其他應用	< 700 ppm Disclosed 揭露濃度	
18	Yellow(White) phosphorus/Red phosphorus 黃磷(白磷)/紅磷	7723-14-0 12185-10-3	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Fire retardant 阻燃劑	Disclosed 揭露濃度 ND	
			Except for above application 上述外其他應用	<1000ppm	

Remark:

※ Please see the information to know the test items of above materials.

※請參考以了解上述材料的測試項目。

※Application of EC RoHS Directive (2011/65/EU) exemption. (Annex C)

※歐盟RoHS (2011/65/EU) 除外條款可適用。(附件C)

Test items of materials

材質檢驗項目

		RoHS			Halogen	POPs	Metal	Non-metal	Flame Retardants		REACH
		Pb, Cd, Hg, Cr ⁶⁺	PBBs, PBDEs	BBP, DBP, DIBP, DEHP	F, Cl, Br, I	PFOS, PFOA	HBCDD	Be	As	Sb (except antimony materials and flame retardants for wire)	Red phosphorus (except flame retardants for wire)
一般材料 Normal materials	金屬 metal	●					●				
	金屬氧化物 metal oxide	●	●	●	●	●					
	陶瓷 ceramic	●					●				
	金屬線 metal wire	●					●				
	塑膠 plastic	●	●	●	●	●					
	無鹵溶劑 HF solvent	●	●	●	●	●					
	金屬膏 metal paste	●	●	●	●	●	●				
	玻璃或玻璃膏 <i>glas or glass paste</i>	●						●			
	塗料(硬化劑、塑化劑、樹脂、油墨...) coating(hardener, plasticize, resin, ink...)	●	●	●	●	●					
	絕緣電線 cable	●	●	●	●	●					
	電子元件 electronic component	●	●	●	●	●					
	其它材料 <i>Other materials</i>	●	●	●	●						
其它材料(無鹵) <i>Other materials (HF)</i>	●	●	●	●							
車用材料 Automobile materials, specified by THINKING	金屬 metal	●					●				
	金屬氧化物 metal oxide	●	●	●	●	●					
	陶瓷 ceramic	●					●				
	金屬線 metal wire	●					●				
	塑膠 plastic	●	●	●	●	●					
	無鹵溶劑 HF solvent	●	●	●	●	●	●		●	●	
	金屬膏 metal paste	●	●	●	●	●	●		●	●	
	玻璃或玻璃膏 <i>glas or glass paste</i>	●						●			
	塗料(硬化劑、塑化劑、樹脂、油墨...) coating(hardener, plasticize, resin, ink...)	●	●	●	●	●	●		●	●	
	絕緣電線 cable	●	●	●	●	●	●		●	●	
	電子元件 electronic component	●	●	●	●	●	●		●	●	
	其它材料 <i>Other materials</i>	●	●	●	●						
其它材料(無鹵) <i>Other materials (HF)</i>	●	●	●	●							
非生產用料 Non-production materials	洗淨劑 Detergent	●	●	●	●	●					
	束帶 Banding	●	●	●	●						
	包裝材料(紙箱、紙盒、載帶、上膠帶、下膠帶、氣泡墊、保麗龍) Packing (carton, box, tape, cover tape, bottom tape, airbubble wrap, styrofoam)	●	●	●	●						
	油品 Oil	●	●	●	●						

●: 該材料須提供特定項目之第三方檢驗報告

The materials need to be provided 3rd party test reports for special substances.

7. 第二部份: 以下項目須符合標準, 但是無需提供第三方測試報告

Part II: Following items must comply with standard, but needn't to provide the 3rd party test report.

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration	
1	Heavy metals 重金屬	Arsenic(As) and Arsenic compounds 砷及砷化合物	7440-38-2 and compounds	All applications 全範圍適用	ND
2	Chlorinated organic compounds 有機氯化物	Polychlorinated biphenyls (PCB) 多氯聯苯	1336-36-3	All applications 全範圍適用	ND
		Polychlorinated naphthalenes (PCN) 多氯化萘(一氯化萘、二氯化萘...八氯化萘)	70776-03-3	All applications 全範圍適用	ND
		Polychlorinated terphenyls (PCT) 多氯三聯苯	61788-33-8	All applications 全範圍適用	ND
		Chlorinated paraffins (CP) 氯代烷烴、氯化石蠟(LCCP、MCCP、SCCP...)	63449-39-8	All applications 全範圍適用	ND
		Polyvinyl chloride (PVC) and PVC blends 聚氯乙烯及聚氯乙烯混合物	9002-86-2 and blends	Applications influence on production 影響生產製程之應用 Packaging 包装材料	Negative ND
		Other chlorinated organic compounds 其他有機氯化物	-	All applications 全範圍適用	ND
		Chlorinated Hydrocarbons 氯化烴類	-	All applications 全範圍適用	Refer table A5 參考表A5
3	Brominated organic compounds 有機溴化合物	Tetrabromobisphenol A bis (TBBP-A) 四溴丙二酚	79-94-7	All applications 全範圍適用	ND
		Other brominated organic compounds 其他有機溴化合物	-	All applications 全範圍適用	ND
4	Organophosphorus compounds 有機磷化合物	Other organophosphorus compounds 其他有機磷化合物	-	All applications 全範圍適用	<100 ppm
5	Flame Retardant 阻燃劑	Phosphorus Flame Retardant (PFRs) 磷系阻燃劑	-	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Refer table A6 參考表A6 Refer table A6 參考表A6
		Brominated Flame Retardants (BFRs) 溴系阻燃劑	-	Plastics, adhesives 塑膠、黏著劑 Packaging 包装材料	<1000ppm <900ppm
		Chlorinated Flame Retardants (CFRs) 氯系阻燃劑	-	Plastics, adhesives 塑膠、黏著劑	Disclosed 揭露濃度
6	Fluorinated Greenhouse Gases 含氟溫室氣體	Hydrofluorocarbon (HFC) 氟氫碳化物	-	All applications 全範圍適用	ND
		Perfluorocarbon (PFC) 全氟化碳	-	All applications 全範圍適用	ND
		SF6 六氟化硫	2551-62-4	All applications 全範圍適用	ND
7	Volatile Organic Compounds (VOCs) 揮發性有機物	Formaldehyde 甲醛	50-00-0	All applications 全範圍適用	ND
		Benzene 苯類	71-43-2	All applications 全範圍適用	ND
		n-hexane 正己烷	110-54-3	All applications 全範圍適用	ND
		Toluene 甲苯	108-88-3	Products 成品	<100ppm
		Ethylbenzene; Phenylethane 乙苯; 乙基苯	100-41-4	All applications 全範圍適用	Disclosed 揭露濃度
		Styrene; Vinylbenzene 苯乙烯	100-42-5	All applications 全範圍適用	Disclosed 揭露濃度
		Benzaldehyde 苯甲醛	100-52-7	All applications 全範圍適用	Disclosed 揭露濃度
		p-Dichlorobenzene 對-二氯苯	106-46-7	All applications 全範圍適用	Disclosed 揭露濃度
		2-Propenal; 丙烯醛;	107-02-8	All applications 全範圍適用	Disclosed 揭露濃度
		Cyclohexanone 環己酮	108-94-1	All applications 全範圍適用	Disclosed 揭露濃度
		Pentane 正戊烷	109-66-0	All applications 全範圍適用	Disclosed 揭露濃度
		Undecane; n-Hendecane; 十一烷; 正十一烷;	1120-21-4	All applications 全範圍適用	Disclosed 揭露濃度
		Propionaldehyde 丙醛	123-38-6	All applications 全範圍適用	Disclosed 揭露濃度
		Butyraldehyde 丁醛	123-72-8	All applications 全範圍適用	Disclosed 揭露濃度
		Crotonaldehyde 丁烯醛	123-73-9	All applications 全範圍適用	Disclosed 揭露濃度
		Butyl acetate 乙酸丁酯	123-86-4	All applications 全範圍適用	Disclosed 揭露濃度
		Hexadecane 十六烷	544-76-3	All applications 全範圍適用	Disclosed 揭露濃度

	Isovaleraldehyde 異戊醛	590-86-3	All applications 全範圍適用	Disclosed 揭露濃度
	Tetradecane; n-Tetradecane; 十四烷; 正十四烷;	629-59-4	All applications 全範圍適用	Disclosed 揭露濃度
	Hexaldehyde 己醛	66-25-1	All applications 全範圍適用	Disclosed 揭露濃度
	Acetone;2-Propanone 丙酮	67-64-1	All applications 全範圍適用	Disclosed 揭露濃度
	Acetaldehyde 乙醛	75-07-0	All applications 全範圍適用	Disclosed 揭露濃度
	Xylene; Dimethylbenzene 二甲苯	95-47-6(o) / 106-42-3(m) / 108-38-3(p)	All applications 全範圍適用	Disclosed 揭露濃度
	T-VOC 總揮發性有機化合物, C6 – C16	-	All applications 全範圍適用	Disclosed 揭露濃度

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration	
8	Metal and its Alloy or Compounds 金屬與其合金或化合物	Nickel and Nickel Alloys 鎳與鎳合金	7440-02-0 and compounds	The parts expose to human body 與人體接觸之部位	ND
		Beryllium(Be) and Beryllium compounds 鈹和鈹的化合物	7440-41-7 and compounds	All applications 全範圍適用	ND
		Manganese(Mn) and Manganese compounds 錳與錳化合物	7439-96-5 and compounds	All applications 全範圍適用	Disclosed 揭露濃度
		Cobalt(Co) and Cobalt compounds 鈷與鈷化合物	7440-48-4 and compounds	All applications 全範圍適用	Disclosed 揭露濃度
		Bismuth(Bi) and Bismuth compounds 鉍與鉍的化合物	7440-69-9 and compounds	All applications 全範圍適用	Disclosed 揭露濃度
		Thallium(Ta) and its compounds 鉍及其化合物	7440-28-0 and compounds	All applications 全範圍適用	<1000ppm
		Indium(In) and its compounds 銦及其化合物	7440-74-6 and compounds	All applications 全範圍適用	ND
		Barium (Ba) and its compounds 鋇及其化合物	7440-39-3 and compounds	Products 成品	Disclosed 揭露濃度
				Packaging 包裝材料	ND
				Except for above application 上述外其他應用	<100ppm
		Magnesium(Mg) and its compounds 鎂及其化合物	7439-95-4 and compounds	All applications 全範圍適用	<1000ppm
		Chromium(Cr) and its compounds 鉻的化合物	7440-47-3 and compounds	All applications 全範圍適用	玩具中接觸部分<60ppm
Vanadium(V) and its compounds 鈮及其化合物	1314-62-1 and compounds	All applications 全範圍適用	ND		
Selenium (Se) and Selenium compounds 硒與硒化合物	7782-49-2 and compounds	All applications 全範圍適用	ND		
Tellurium(Te) and its compounds 碲及其化合物	13494-80-9 and compounds	All applications 全範圍適用	1000		
8	Specific Phthalates 特定鄰苯二甲酸鹽	-	All applications 全範圍適用	Refer table A1 參考表A1	
9	PAHs 多環芳香烴	-	The parts expose to human body 與人體接觸之部位	Refer table A2 參考表A2	
10	Specific azo compounds 特定偶氮化合物	-	All applications 全範圍適用	Refer table A3 參考表A3	
11	Organostannic compounds 有機錫化合物	-	All applications 全範圍適用	Refer table A4 參考表A4	
12	Halogenated 鹵化烴	HCFC 含氯氟烴	-	All applications 全範圍適用	ND
		HBFC 含氯溴氟烴	-	All applications 全範圍適用	ND
		Methyl Bromide 溴甲烷/甲基溴	74-83-9	All applications 全範圍適用	ND
13	Halogenated Aromatic Substances (HAS) 鹵化芳香物	Halogenated diphenyl alkane 鹵化二苯基烷類 (單甲基四氯二苯基甲烷 (Ugilec 141)、單甲基二氯二苯基甲烷 (Ugilec 121)、單甲基二溴二苯基甲烷 (DBBT))	76253-60-6 81161-70-8 99688-47-8	All applications 全範圍適用	ND
		Chlorinated benzene 氯化苯	180-90-7	All applications 全範圍適用	ND
14	Dioxins 戴奧辛類	Halogenated dioxins and furans 鹵化戴奧辛	-	All applications 全範圍適用	ND
		1,4-dioxin 1,4-二噁英/1,4-戴奧辛	290-67-5	All applications 全範圍適用	ND
15	Alkyl phenol 烷基酚	Nonyl Phenol (NP) 壬基酚	84852-15-3	All applications 全範圍適用	ND
		Other alkyl phenol 其他烷基酚類	-	Products 產品	Disclosed 揭露濃度
16	Phenol and phenolic compounds 苯酚及酚類化合物	Phenol, 4-(1,1,3,3-tetramethylbutyl) 4-(1,1,3,3-四甲基丁基)苯酚	140-66-9	All applications 全範圍適用	ND
		2,4,6-Tri-tert-butylphenol 2,4,6三-叔-丁基苯酚	732-26-3	Products 產品	ND
		Other phenol and phenolic compounds 其他苯酚類	-	All applications 全範圍適用	<10 ppm

17	Sulfur 硫	7704-34-9	All applications except epoxy resin, silicone, paper tape, tape and metal materials 除環氧樹脂、矽膠、紙帶、膠帶和金屬材料以外的應用	ND
18	Asbestos 石棉	1332-21-4	All applications 全範圍適用	ND
19	Benzidine and benzidine dihydrochloride that have the molecular formulas 聯苯胺與聯苯胺二鹽酸鹽	92-87-5 531-85-1	All applications 全範圍適用	ND
20	Expanded polystyrene 發泡聚苯乙烯(EPS)	9003-53-6	All applications 全範圍適用	ND
21	Pentachlorophenol 五氯酚(PCP)	87-86-5	All applications 全範圍適用	ND
22	Triclosan 三氯沙	3380-34-5	All applications 全範圍適用	< 0.01 ppm
23	Fragrance substance(musk ketone) 氣味物質(酮麝香)	-	All applications 全範圍適用	ND
24	Surfactants (DTDMAC,DODMAC/DSDMAC and DHTDMAC) 界面活性劑	65783-78-8 107-64-2 61789-80-8	All applications 全範圍適用	ND
25	Radioactive material 放射性物質	-	All applications 全範圍適用	ND
26	Specific benzotriazole 特定苯并三氮唑	3846-71-7	All applications 全範圍適用	ND
27	Dimethyl fumarate (DMF) 富馬酸二甲酯	624-49-7	All applications 全範圍適用	ND

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
28	Bis(2-methoxyethyl) ether 氘代雙(2-甲氧基乙基) 醚	38086-00-9	All applications 全範圍適用	<1000ppm
29	N,N-dimethylacetamide(DMAC) N,N-二甲基乙酰胺	127-19-5	All applications 全範圍適用	<1000ppm
30	ethylene glycol dimethyl ether (EGDME) 乙二醇二甲醚	110-71-4	All applications 全範圍適用	<1000ppm
31	Perchlorate 高氯酸鹽	-	Main materials of THINKING's products 興勤產品主要原料 Except main materials of THINKING's products 除興勤產品主要用料之外的原料	ND Disclosed 揭露濃度
32	Boric acid, specific sodium borates 硼酸、特定硼酸鈉	10043-35-3 1303-96-4	Main materials of THINKING's products 興勤產品主要原料	<1000ppm
33	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST) 烷基化二苯胺	68921-45-9	All applications 全範圍適用	ND
34	2-(2'-Hydroxy-3'-sec-butyl-5'-tert-butylphenyl)benzotriazole 2-(2'-羥基-3'-異丁基-5'-叔丁基苯基)苯並三唑	36437-37-3	All applications 全範圍適用	ND
35	Nonyl phenol ethoxylates (NPEs) 壬基酚聚氧乙烷醚類	-	All applications 全範圍適用	ND
36	Tris-(2,3-dibromo propyl)phosphate 三(2,3-二溴丙基)磷酸酯	126-72-7	All applications 全範圍適用	ND
37	Tris-(1-aziridinyl)phosphine oxide 三吡啶基氧化磷	545-55-1	All applications 全範圍適用	ND
38	Hexachlorobutadiene (HCBd) 六氯丁二烯	87-68-3	All applications 全範圍適用	ND
39	Ozone depleting substances (Chlorofluorocarbons, Halons, Carbon tetrachloride, 1,1,1-trichloroethene, Bromochloroethene, Methyl bromide, Dibromofluoropropane, Bromodifluoropropane, Bromofluoropropane, Hydrochlorofluorocarbons, Hydrobromochlorocarbons) 臭氧層危害物質(氟氯碳化物、海龍、四氯化碳、1,1,1-三氯乙烷、氯溴甲烷、溴化甲烷、二溴氟丙烷、溴二氟丙烷、溴氟丙烷、含氯氟烴、含溴氟烴)	-	All applications 全範圍適用	ND
40	Substance of nanoscale 奈米物質	-	All applications 全範圍適用	Disclosed 揭露濃度
41	4-Nitrobiphenyl and its salt 4-硝基聯苯及其鹽類	-	All applications 全範圍適用	ND
42	Cyclohexane 環己烷	-	Binder 黏合劑	<1000ppm
43	Diphenylamine, Substituted (SDPA) 苯乙炔化二苯胺	-	All applications 全範圍適用	ND
44	Ethanol, 2-[(2-aminoethyl)amino] 羥乙基乙二胺、氨基乙基乙醇胺	-	Paints, coatings, varnishes, textiles, corrosion inhibitors 油漆、塗料、清漆、紡織、腐蝕抑制劑	ND
45	Chlorine bleaching agent/Chlorinated Organic Solvents 氯漂白劑/氯化有機溶劑	-	In the packaging, cleaning agents and degreasing agent production process 在包裝、清潔劑和脫脂劑生產過程	ND
46	2-(2-methoxyethoxy)ethanol (DEGME) 二乙二醇單甲醚	111-77-3	All applications 全範圍適用	<1000ppm
47	2-(2-butoxyethoxy)ethanol (DEGBE) 二乙二醇丁醚	112-34-5	All applications 全範圍適用	<1000ppm
48	4-nitro diphenylamine and its salts 4-硝基二苯胺及其鹽類	-	All applications 全範圍適用	<1000ppm
49	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) 三甘醇	112-49-2	All applications 全範圍適用	<1000ppm
50	Nitrogen trifluoride 三氟化氮/三氟胺	7783-54-2	All applications 全範圍適用	ND
51	GADSL全球汽車申報物質清單 Annex Global Automotive Declarable Substance List (GADSL)	-	All applications 全範圍適用	Disclosed 揭露濃度(Refer Annex參考附件)
52	The Pre- and Polyfluoroalkyl Substances (PFAS) 全氟烷基物質和多氟烷基物質	-	All applications 全範圍適用	Refer table A6 參考表A6
53	Toluene diisocyanate (TDI) 甲苯二異氰酸酯	-	All applications 全範圍適用	Disclosed 揭露濃度

54	Phenol, isopropylated phosphate (3:1) [PIP (3:1)] 異丙基化磷酸三苯酯	68937-41-7	All applications 全範圍適用	ND
55	Pentachlorothiophenol (PCTP) 五氯硫酚	133-49-3	All applications 全範圍適用	ND

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度	
56	Mineral oil 礦物油	8042-47-5	Packaging 包裝材料	ND	
57	Persistent Organic Pollutants (POPs) 持續性有機污染物	Tetrabromodiphenyl ether 四溴聯苯醚	40088-47-9	Substances 物質 Except for above application 上述外其他應用	<10ppm <500ppm
		Pentabromodiphenyl ether 五溴聯苯醚	32534-81-9	Substances 物質 Except for above application 上述外其他應用	<10ppm <500ppm
		Hexabromodiphenyl ether 六溴聯苯醚	36483-60-0	Substances 物質 Except for above application 上述外其他應用	<10ppm <500ppm
		Heptabromodiphenyl ether 七溴聯苯醚	68928-80-3	Substances 物質 Except for above application 上述外其他應用	<10ppm <500ppm
		Hexabromobiphenyl 六溴聯苯	36355-01-8	All applications 全範圍適用	ND
		Hexachlorobenzene 六氯苯	118-74-1	All applications 全範圍適用	ND
		Pentachlorobenzene 五氯苯	608-93-5	All applications 全範圍適用	ND
		Perfluorooctane sulfonates (PFOS) C8F17SO2X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers) 全氟辛烷磺酸(X= OH, 金屬鹽類, 鹵化 物, 氨基化合物, 其他衍生物包含聚合 物)	1763-23-1 4151-50-2 31506-32-8 1691-99-2 24448-09-7 754-91-6 and others	All applications 全範圍適用	ND
		PFOA, its salts and PFOA related compounds 全氟辛酸及其鹽類及相關化合物	335-67-1 39108-34-4 376-27-2 3400-24-5	All applications 全範圍適用	ND
		58	California Proposition 65 List 加州65號法案清單	-	All applications 全範圍適用

8.第三部份: REACH 223 項高關注物質

以下項目須符合標準, 必要時需提供第三方公正單位檢驗報告

Part III: REACH Requires 223 Substances of Very High Concern (SVHC)

Following items must comply with standard and provide the 3rd party test report according to our regulations if necessary.

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
1	Anthracene 蒽	120-12-7	All applications 全範圍適用	<1000 ppm
2	4,4'- Diaminodiphenylmethane 4,4'-二胺基二苯甲烷	101-77-9	All applications 全範圍適用	ND
3	Dibutyl phthalate (DBP) 鄰苯二甲酸二丁酯	84-74-2	All applications 全範圍適用	ND
4	Benzyl butyl phthalate (BBP) 鄰苯二甲酸丁酯苯甲酯	85-68-7	All applications 全範圍適用	ND
5	Bis(2-ethylhexyl) phthalate(DEHP) 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	All applications 全範圍適用	ND
6	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) 二甲苯麝香	81-15-2	All applications 全範圍適用	ND
7	Hexabromocyclododecane (HBCDD) 六溴環十二烷	25637-99-4	All applications 全範圍適用	ND
8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP) 短鏈氯化石蠟	85535-84-8	All applications 全範圍適用	ND
9	Bis(tributyltin)oxide 氧化三丁錫	56-35-9	All applications 全範圍適用	ND
10	Cobalt dichloride 二氯化鈷	7646-79-9	All applications 全範圍適用	ND
11	Diarsenic pentoxide 五氧化二砷	1303-28-2	All applications 全範圍適用	ND

12	Diarsenic trioxide 三氧化二砷	1327-53-3	All applications 全範圍適用	ND
13	Triethyl arsenate 三乙基砷酸酯	15606-95-8	All applications 全範圍適用	ND
14	Lead hydrogen arsenate 砷酸氫鉛	7784-40-9	All applications 全範圍適用	<100 ppm
15	Sodium dichromate, dehydrate 重鉻酸鈉二水合物	7789-12-0	All applications 全範圍適用	ND
16	2,4-Dinitrotoluene 2,4-二硝基甲苯	121-14-2	All applications 全範圍適用	<1000 ppm
17	Anthracene oil 蔥油	90640-80-5	All applications 全範圍適用	<1000 ppm
18	Anthracene oil, anthracene paste, distn. Lights 蔥油, 蔥糊, 輕油	91995-17-4	All applications 全範圍適用	<1000 ppm
19	Anthracene oil, anthracene paste,anthracene fraction 蔥油, 蔥糊, 蔥餾分	91995-15-2	All applications 全範圍適用	<1000 ppm
20	Anthracene oil, anthracene-low 蔥油, 含蔥量少	90640-82-7	All applications 全範圍適用	<1000 ppm
21	Anthracene oil, anthracene paste 蔥油, 蔥糊	90640-81-6	All applications 全範圍適用	<1000 ppm
22	Diisobutyl phthalate (DIBP) 鄰苯二甲酸二異丁酯	84-69-5	All applications 全範圍適用	ND
23	Aluminosilicate, Refractory Ceramic Fibres 矽酸鋁, 耐火陶瓷纖維	650-017-00-8	All applications 全範圍適用	<1000 ppm
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres 鋁矽酸鋁, 耐火陶瓷纖維	650-017-00-8	All applications 全範圍適用	<1000 ppm
25	Lead chromate 鉻酸鉛(鉻黃)	7758-97-6	All applications 全範圍適用	<3 ppm
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104) 鉻鉬紅(C.I.顏料紅104)	12656-85-8	All applications 全範圍適用	<1000 ppm
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34) 鉻酸鉛(C.I.顏料黃34)	1344-37-2	All applications 全範圍適用	<3 ppm
28	Tris(2-chloroethyl)phosphate 三(2-氯乙基)磷酸酯	115-96-8	All applications 全範圍適用	ND
29	Coal tar pitch, high temperature 煤瀝青, 高溫	65996-93-2	All applications 全範圍適用	ND
30	Acrylamide 丙烯醯胺	1979-6-1	All applications 全範圍適用	<1000 ppm
31	Trichloroethylene 三氯乙烯	79-01-6	All applications 全範圍適用	ND
32	Boric acid 硼酸	10043-35-3 11113-50-1	All applications 全範圍適用	<1000 ppm
33	Disodium tetraborate,anhydrous 四硼酸鈉, 無水	1330-43-4 12179-04-3 1303-96-4	All applications 全範圍適用	<1000 ppm
34	Tetraboron disodium heptaoxide, hydrate 四硼酸鈉, 水合物	12267-73-1	All applications 全範圍適用	<1000 ppm
35	Sodium chromate 鉻酸鈉	7775-11-3	All applications 全範圍適用	<1000 ppm
36	Potassium chromate 鉻酸鉀	7789-00-6	All applications 全範圍適用	<1000 ppm
37	Ammonium dichromate 重鉻酸銨	7789-09-5	All applications 全範圍適用	<1000 ppm
38	Potassium dichromate 重鉻酸鉀	7778-50-9	All applications 全範圍適用	<3 ppm
39	cobalt(II)sulphate 硫酸鈷	10124-43-3	All applications 全範圍適用	<1000 ppm
40	cobalt dinitrate 硝酸鈷	10141-05-6	All applications 全範圍適用	<1000 ppm
41	cobalt(II)carbonate 碳酸鈷	208-169-4	All applications 全範圍適用	<1000 ppm
42	cobalt(II)diacetate 醋酸鈷	200-755-8	All applications 全範圍適用	<1000 ppm
43	2-methoxyethanol 乙二醇單甲醚	203-713-7	All applications 全範圍適用	ND
44	2-ethoxyethanol 乙二醇單乙醚	203-804-1	All applications 全範圍適用	<1000 ppm
45	Chromium trioxide 三氧化鉻	215-607-8	All applications 全範圍適用	<3 ppm

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
46	Acids generated from chromium trioxide and their oligomers:Chromic acid,Dichromic acid, oligomers of Chromic acid and Dichromic acid 從三氧化鉻產生的酸類以及它們的低聚物:鉻酸, 重鉻酸, 鉻酸和重鉻酸的低聚物	231-801-5 236-881-5	All applications 全範圍適用	<3 ppm
47	2-ethoxyethyl acetate 乙二醇乙醚乙酸酯	111-15-9	All applications 全範圍適用	<1000 ppm
48	strontium chromate 鉻酸銣	7789-62-2	All applications 全範圍適用	<3 ppm
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters 鄰苯二甲酸二(C7-11 支鏈與直鏈)烷基酯	68515-42-4	All applications 全範圍適用	ND
50	Hydrazine 胼	7803-57-8 302-01-2	All applications 全範圍適用	<1000 ppm
51	1-methyl-2-pyrrolidone N-甲基吡咯烷酮	872-50-4	All applications 全範圍適用	<100 ppm
52	1,2,3-trichloropropane 1,2,3-三氯丙烷	96-18-4	All applications 全範圍適用	<1000 ppm
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich 鄰苯二甲酸二(C6-8 支鏈與直鏈)烷基酯, 富C7	71888-89-6	All applications 全範圍適用	ND
54	Dichromium tris(chromate) 鉻酸鉻	24613-89-6	All applications 全範圍適用	<1000 ppm
55	Potassium hydroxyoctaoxodizin Catedichromate 氫氧化鉻酸鉀鉀	11103-86-9	All applications 全範圍適用	<600 ppm
56	Pentazinc chromate octahydroxide 鉍黃	49663-84-5	All applications 全範圍適用	<600 ppm
57	Aluminosilicate Refractory Ceramic Fibres 矽酸鋁耐火陶瓷纖維(RCF)	-	All applications 全範圍適用	<1000 ppm
58	Zirconia Aluminosilicate Refractory Ceramic Fibres 氧化鋁矽酸鋁耐火陶瓷纖維(ZR -RCF)	-	All applications 全範圍適用	<1000 ppm
59	Formaldehyde, oligomeric reaction products with aniline (technical MDA) 甲醛與苯胺的低聚反應產物	25214-70-4	All applications 全範圍適用	<1000 ppm
60	Bis(2-methoxyethyl) phthalate (DMEP) 鄰苯二甲酸二甲氧乙酯	117-82-8	All applications 全範圍適用	Disclosed 揭露濃度
61	2-Methoxyaniline 2-Methoxyaniline 鄰甲氧基苯胺	90-04-0	All applications 全範圍適用	ND
62	4-tert-Octylphenol 4-(1,1,3,3-四甲基丁基)苯酚 (4-(叔辛基)苯酚)	140-66-9	All applications 全範圍適用	ND

63	1,2-Dichloroethane 1,2-二氯乙烷	107-06-2	All applications 全範圍適用	<1000 ppm
64	Bis(2-methoxyethyl) ether 雙(2-甲氧基乙基)醚	111-96-6	All applications 全範圍適用	<1000 ppm
65	Arsenic acid 砷酸	7778-39-4	All applications 全範圍適用	<100 ppm
66	Calcium arsenate 砷酸鈣	7778-44-1	All applications 全範圍適用	<100 ppm
67	Trilead diarsenate 砷酸鉛	3687-31-8	All applications 全範圍適用	<1000 ppm
68	N,N-dimethylacetamide (DMAC) N,N-二甲基乙酰胺	127-19-5	All applications 全範圍適用	<1000 ppm
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA) 2,2'-二氯-4,4'-二氨基二苯基甲烷	101-14-4	All applications 全範圍適用	ND
70	Phenolphthalein 酚酞	77-09-8	All applications 全範圍適用	<1000 ppm
71	Lead diazide 疊氮化鉛	13424-46-9	All applications 全範圍適用	<600 ppm
72	Lead styphnate 中性斯蒂芬酸鉛	15245-44-0	All applications 全範圍適用	<600 ppm
73	Lead dipicrate 苦味酸鉛	6477-64-1	All applications 全範圍適用	<600 ppm
74	Diboron trioxide 三氧化二硼	1303-86-2	All applications 全範圍適用	<1000 ppm
75	Formamide 甲酰胺	75-12-7	All applications 全範圍適用	<1000 ppm
76	Lead(II) bis(methanesulfonate) 甲基磺酸鉛	17570-76-2	All applications 全範圍適用	<1000 ppm
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酯	2451-62-9	All applications 全範圍適用	<1000 ppm
78	β-TGIC(1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) 異氰尿酸β-三縮水甘油酯	59653-74-6	All applications 全範圍適用	<1000 ppm
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)	90-94-8	All applications 全範圍適用	<1000 ppm
80	N,N,N'-tetramethyl-4,4'-methylenedianiline(Michler's base) 4,4'-(對二甲氨基)二苯基甲烷(米氏碱)	101-61-1	All applications 全範圍適用	<1000 ppm
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) C.I. 鹼性紫3	548-62-9	All applications 全範圍適用	<1000 ppm
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) C.I. 鹼性藍26	2580-56-5	All applications 全範圍適用	<1000 ppm

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83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) C.I. 溶劑藍4	6786-83-0	All applications 全範圍適用	<1000 ppm
84	4,4'-bis(dimethylamino)-4"--(methylamino)trityl alcohol α,α-二[(二甲氨基)苯基]-4-甲氨基苯基甲醇	561-41-1	All applications 全範圍適用	<1000 ppm
85	Bis(pentabromophenyl) ether (DecaBDE) 十溴聯苯醚	1163-19-5	All applications 全範圍適用	ND
86	Pentacosaflluorotridecanoic acid 全氟十三酸	72629-94-8	All applications 全範圍適用	ND
87	Tricosaflluorododecanoic acid 全氟十二烷酸	307-55-1	All applications 全範圍適用	ND
88	Henicosaflluoroundecanoic acid 全氟十一烷酸	2058-94-8	All applications 全範圍適用	ND
89	Heptacosaflluorotetradecanoic acid 全氟十四酸	376-06-7	All applications 全範圍適用	ND
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) 偶氮二甲酰胺	123-77-3	All applications 全範圍適用	<1000 ppm
91	Cyclohexane-1,2-dicarboxylic anhydride, Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3], The individual cis- [2] and trans-[3] 六氫鄰苯二甲酸酐	85-42-7 13149-00-3 14166-21-3	All applications 全範圍適用	<1000 ppm
92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride 甲基六氫苯酐、4-甲基六氫苯酐、甲基六氫化鄰苯二甲酸酐、3-甲基六氫苯二甲酸酐	25550-51-0 19438-60-9 48122-14-1 57110-29-9	All applications 全範圍適用	<1000 ppm
93	4-Nonylphenol, branched and linear 壬基酚	-	All applications 全範圍適用	ND
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 辛基酚聚醚-9	-	All applications 全範圍適用	ND
95	Methoxy acetic acid 甲氧基乙酸	625-45-6	All applications 全範圍適用	<1000 ppm
96	N,N-dimethylformamide; dimethyl formamide N,N-二甲基甲酰胺	68-12-2	All applications 全範圍適用	<1000 ppm
97	Dibutyltin dichloride (DBT) 二丁基錫	683-18-1	All applications 全範圍適用	ND
98	Lead oxide (lead monoxide) 氧化鉛	1317-36-8	All applications 全範圍適用	<500 ppm
99	Lead tetroxide (orange lead) 四氧化三鉛	1314-41-6	All applications 全範圍適用	<500 ppm
100	Lead bis(tetrafluoroborate) 氟硼酸鉛	13814-96-5	All applications 全範圍適用	<1000 ppm
101	Basic lead carbonate (trilead bis(carbonate)dihydroxide) 鹼式碳酸鉛	1319-46-6	All applications 全範圍適用	<500 ppm
102	Lead titanium trioxide 鈦酸鉛	12060-00-3	All applications 全範圍適用	<500 ppm
103	Lead Titanium Zirconium Oxide 鈦酸鉛錳	12626-81-2	All applications 全範圍適用	<1000 ppm
104	Silicic acid, lead salt 硅酸鉛	11120-22-2	All applications 全範圍適用	<1000 ppm
105	Silicic acid, barium salt, lead-doped 硅酸、鋇鹽、摻鉛	68784-75-8	All applications 全範圍適用	<1000 ppm
106	1-bromopropane 溴代正丙烷	106-94-5	All applications 全範圍適用	<1000 ppm
107	Propylene oxide; 1,2-epoxypropane; methyloxirane 環氧丙烷	75-56-9	All applications 全範圍適用	<1000 ppm

108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear 支鏈和直鏈1, 2-苯二羧二戊酯	84777-06-0	All applications 全範圍適用	<1000 ppm
109	Diisopentylphthalate (DIPP) 鄰苯二甲酸二異戊酯	605-50-5	All applications 全範圍適用	<1000 ppm
110	N-pentyl-isopentylphthalate (PIPP) 鄰苯二甲酸正戊基異戊基酯	776297-69-9	All applications 全範圍適用	<1000 ppm
111	1,2-Diethoxyethane 乙二醇二乙醚	629-14-1	All applications 全範圍適用	<1000 ppm
112	Acetic acid, lead salt, basic 鹼式乙酸鉛	51404-69-4	All applications 全範圍適用	<1000 ppm
113	Basic lead sulphate (lead oxide sulphate) 鹼式硫酸鉛	12036-76-9	All applications 全範圍適用	<500 ppm
114	Dibasic lead phthalate(phthalate(2-dioxotrilead)) 二鹽基鄰苯二甲酸鉛	69011-06-9	All applications 全範圍適用	<1000 ppm
115	Dioxobis(stearato)trilead 雙(十八酸基)二氧代三鉛	12578-12-0	All applications 全範圍適用	<500 ppm
116	Fatty acids, C16-18, lead salts C16-18-脂肪酸鉛鹽	91031-62-8	All applications 全範圍適用	<500 ppm
117	Lead cyanamidate 氨基氰鉛鹽	20837-86-9	All applications 全範圍適用	<1000 ppm
118	Lead dinitrate 硝酸鉛	10099-74-8	All applications 全範圍適用	<500 ppm
119	Pentalead tetraoxide sulphate 氧化鉛與硫酸鉛的複合物	12065-90-6	All applications 全範圍適用	<500 ppm
120	Pyrochlore, antimony lead yellow 顏料黃41	8012-00-8	All applications 全範圍適用	<1000 ppm
121	Sulfurous acid, lead salt, dibasic 亞硫酸鉛(II)	62229-08-7	All applications 全範圍適用	<500 ppm
122	Tetraethyllead 四乙基鉛	78-00-2	All applications 全範圍適用	<1000 ppm
123	Tetralead trioxide sulphate 三鹼式硫酸鉛	12202-17-4	All applications 全範圍適用	<500 ppm
124	Trilead dioxide phosphonate 磷酸氧化鉛	12141-20-7	All applications 全範圍適用	<500 ppm
125	Furan 呋喃	110-00-9	All applications 全範圍適用	ND
126	Diethyl sulphate 硫酸二乙酯	64-67-5	All applications 全範圍適用	<1000 ppm
127	Dimethyl sulphate 硫酸二甲酯	77-78-1	All applications 全範圍適用	<1000 ppm
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-乙基-2-甲基-2-(3-甲基丁基)噁唑烷	143860-04-2	All applications 全範圍適用	<1000 ppm

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129	Dinoseb 地樂酚	88-85-7	All applications 全範圍適用	<1000 ppm
130	4,4'-methylenedi-o-toluidine 4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	All applications 全範圍適用	ND
131	4,4'-oxydianiline and its salts 4,4'-二氨基二苯醚	60-09-03	All applications 全範圍適用	<1000 ppm
132	4-Aminoazobenzene;4-Phenylazoaniline 對氨基偶氮苯	60-09-03	All applications 全範圍適用	ND
133	4-methyl-m-phenylenediamine(2,4-toluene-diamine) 2,4-二氨基甲苯	95-80-7	All applications 全範圍適用	ND
134	6-methoxy-m-toluidine(p-cresidine) 2-甲氧基-5-甲基苯胺	120-71-8	All applications 全範圍適用	ND
135	Biphenyl-4-ylamine 4-氨基聯苯	92-67-1	All applications 全範圍適用	ND
136	o-aminoazotoluene 鄰氨基偶氮甲苯	97-56-3	All applications 全範圍適用	ND
137	o-Toluidine; 2-Aminotoluene 鄰甲基苯胺	95-53-4	All applications 全範圍適用	ND
138	N-methylacetamide N-甲基乙酰胺	79-16-3	All applications 全範圍適用	<1000 ppm
139	Cadmium 鎘	7440-43-9	All applications 全範圍適用	ND
140	Ammonium pentadecafluorooctanoate (APFO) 十五代氟辛酸銨鹽	3825-26-1	All applications 全範圍適用	<1000 ppm
141	Pentadecafluorooctanoic acid (PFOA) 十五氟辛酸(全氟辛酸)	335-67-1	All applications 全範圍適用	ND
142	Dipentyl phthalate (DPP) 鄰苯二甲酸二正戊酯	131-18-0	All applications 全範圍適用	ND
143	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] 4-壬基酚	-	All applications 全範圍適用	ND
144	Cadmium oxide 氧化鎘	1306-19-0	All applications 全範圍適用	ND
145	Cadmium sulphide 硫化鎘	1306-23-6	All applications 全範圍適用	ND
146	Dihexyl phthalate (DNHP) 鄰苯二甲酸二正己	84-75-3	All applications 全範圍適用	ND
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) CI直接紅28	573-58-0	All applications 全範圍適用	<1000 ppm
148	Disodium 4-amino-3-[[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate CI直接黑38	1937-37-7	All applications 全範圍適用	<1000 ppm
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol 亞乙基硫脲	96-45-7	All applications 全範圍適用	<1000 ppm
150	Lead di(acetate) 鉛底(醋酸)/醋酸鉛(II)	301-04-2	All applications 全範圍適用	<500 ppm
151	Trixylyl phosphate 磷酸三二甲苯酚	25155-23-1	All applications 全範圍適用	ND
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 鄰苯二甲酸二己酯(支鏈和直鏈)	68515-50-4	All applications 全範圍適用	<1000 ppm
153	Cadmium chloride 氯化鎘	10108-64-2	All applications 全範圍適用	<100 ppm
154	Sodium perborate; perboric acid, sodium salt 過硼酸鈉	-	All applications 全範圍適用	<1000 ppm
155	Sodium peroxometaborate 過氧偏硼酸鈉	7632-04-4	All applications 全範圍適用	<1000 ppm
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol 2-(3,5-二叔戊基-2-羥苯基)苯並三唑, 紫外線吸收劑 UV-328	25973-55-1	All applications 全範圍適用	<1000 ppm
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol 2-(2',5'-二叔丁基-3',5'-二叔丁基苯基)苯並三唑, 紫外線吸收劑 UV-320	3846-71-7	All applications 全範圍適用	<1000 ppm
158	2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-st annatetradecanoate 二正辛基-雙(巯乙酸 2-乙基己酯)鎘(DOTE)	15571-58-1	All applications 全範圍適用	<100 ppm
159	Cadmium fluoride 氟化鎘	7790-79-6	All applications 全範圍適用	<1000 ppm

160	Cadmium sulphate 硫酸鎘	10124-36-4 31119-53-6	All applications 全範圍適用	<100 ppm
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-st annatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetrad ecanoate DOTE 與 NOTE 的反應產物	-	All applications 全範圍適用	<1000 ppm
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5) 烷基酯的混合物(鄰苯二甲酸二己酯含量 $\geq 0.3\%$)	68515-51-5 68648-93-1	All applications 全範圍適用	<1000 ppm
163	Karanal(商品名) 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	All applications 全範圍適用	<1000 ppm

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
164	1,3-propanesultone 1,3-丙烷磺內酯	1120-71-4	All applications 全範圍適用	<1000 ppm
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) 紫外線吸收劑 UV-327	3864-99-1	All applications 全範圍適用	<1000 ppm
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2'-羥基-3'-異丁基-5'-叔丁基苯基)苯并三唑	36437-37-3	All applications 全範圍適用	ND
167	Nitrobenzene 硝基苯	98-95-3	All applications 全範圍適用	<1000 ppm
168	Perfluoronon-1-oi-c-acid and its sodium and ammonium salts 十七氟壬酸及其鈉鹽和銨鹽	375-95-1	All applications 全範圍適用	ND
169	Benzo[def]chrysene(Benzo[a]pyrene) 苯并(a)芘	50-32-8	All applications 全範圍適用	<1000 ppm
170	4,4'-isopropylidenediphenol (bisphenol A) 雙酚A	80-05-7	All applications 全範圍適用	ND
171	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, 支鍊及直鍊包括含有7個碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支7個碳烷基鏈的UVCB物質	-	All applications 全範圍適用	<1000 ppm
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts 十九氟癸酸及其鈉和銨鹽	3108-42-7 3830-45-3	All applications 全範圍適用	<1000 ppm
		335-76-2	All applications 全範圍適用	ND
173	p-(1,1-dimethylpropyl) phenol = 4-tert-pentylphenol (PTAP) 對(1,1-二甲基丙基)苯酚	80-46-6	All applications 全範圍適用	<1000 ppm
174	Perfluorohexane-1-sulphonic acid and its salts, PFHxS 全氟己-1-磺酸及其鹽類	-	All applications 全範圍適用	<1000 ppm
175	Dechlorane Plus [covering any of its individual anti- and syn-isomers or any combination thereof] 得克隆(包括其所有反式和順式異構體及其組合)	13560-89-9 135821-74-8 135821-03-3 etc.	All applications 全範圍適用	<1000 ppm
176	Benz[a]anthracene 苯并[a]蒽	56-55-3	All applications 全範圍適用	<0.2 ppm
177	Cadmium nitrate 硝酸鎘	10325-94-7	All applications 全範圍適用	<60 ppm
178	Cadmium carbonate 碳酸鎘	513-78-0	All applications 全範圍適用	<100 ppm
179	Cadmium hydroxide 氫氧化鎘	21041-95-2	All applications 全範圍適用	<100 ppm
180	Chrysene 屈	218-01-9	All applications 全範圍適用	<1000 ppm
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear] 1,3,4-噻二唑烷-2,5-二硫酮, 甲醛和4-庚基苯酚的支鍊和直鍊(RP-HP)的反應產物[4-庚基苯酚, 支鍊和直鍊含量 $\geq 0.1\%$ w/w]	-	All applications 全範圍適用	<1000 ppm
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) 1,2,4-苯三甲酸酐	552-30-7	All applications 全範圍適用	<1000 ppm
183	Benzo[ghi]perylene 苯并[g,h,i]芘	191-24-2	All applications 全範圍適用	<1000 ppm
184	Decamethylcyclotrisiloxane (D5) 十甲基環五矽氧烷	541-02-6	All applications 全範圍適用	<1000 ppm
185	Dicyclohexyl phthalate (DCHP) 鄰苯二甲酸二環己酯	84-61-7	All applications 全範圍適用	<1000 ppm
186	Disodium octaborate 八硼酸二鈉	12008-41-2	All applications 全範圍適用	<1000 ppm
187	Dodecamethylcyclotrisiloxane (D6) 十二甲基環六矽氧烷	540-97-6	All applications 全範圍適用	<1000 ppm
188	Ethylenediamine (EDA) 乙二胺	107-15-3	All applications 全範圍適用	<1000 ppm
189	Lead 鉛	7439-92-1	All applications 全範圍適用	<1000 ppm
190	Octamethylcyclotrisiloxane (D4) 八甲基環四矽氧烷	556-67-2	All applications 全範圍適用	<1000 ppm
191	Terphenyl, hydrogenated 氫化聯三苯	61788-32-7	All applications 全範圍適用	<1000 ppm

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
192	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-(苯基亞甲基)雙環[2.2.1]庚-2-酮(3-亞苄基樟腦)	239-139-9 / 15087-24-8	All applications 全範圍適用	<1000 ppm
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 4,4'-(1,3-二甲基丁基)二苯酚	401-720-1 / 6807-17-6	All applications 全範圍適用	<1000 ppm
194	Benzo[k]fluoranthene 苯並[k]芘	205-916-6 / 207-08-9	All applications 全範圍適用	<1000 ppm
195	Fluoranthene 芘	205-912-4 / 206-44-0 / 93951-69-0	All applications 全範圍適用	<1000 ppm
196	Phenanthrene 菲	201-581-5 / 85-01-8	All applications 全範圍適用	<1000 ppm
197	Pyrene 芘	204-927-3 / 129-00-0 / 1718-52-1	All applications 全範圍適用	<1000 ppm
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) 2,3,3,3-四氟-2-(七氟丙氧基)丙酸, 鹽類, 及其醯鹵(涵蓋他們其個別和組合之同分異構物)	-	All applications 全範圍適用	<1000 ppm
199	2-methoxyethyl acetate 2-甲烷氧基乙基乙酯	110-49-6	All applications 全範圍適用	<1000 ppm
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) 三(4-壬苯基,支鏈及直鏈)亞磷酸酯 含≥0.1%的支鏈及直鏈4-壬基酚	-	All applications 全範圍適用	<1000 ppm
201	4-tert-butylphenol 4-叔丁基苯酚	98-54-4	All applications 全範圍適用	<1000 ppm
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone 2-苄基-2-二甲氨基基-1-(4-嗎啉基)丁酮	119313-12-1	All applications 全範圍適用	<1000 ppm
203	2-methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one 2-甲基-1-[4-(甲基硫代)苯基]-2-(4-嗎啉基)-1-丙酮	71868-10-5	All applications 全範圍適用	<1000 ppm
204	Diisohexyl phthalate 二異己基鄰苯二甲酸酯	71850-09-4	All applications 全範圍適用	<1000 ppm
205	Perfluorobutane sulfonic acid (PFBS) and its salts 全氟丁烷磺酸及其鹽類	-	All applications 全範圍適用	<1000 ppm
206	1-vinylimidazole 1-乙炔基咪唑	1072-63-5	All applications 全範圍適用	<1000 ppm
207	2-methylimidazole 2-甲基咪唑	693-98-1	All applications 全範圍適用	<1000 ppm
208	Butyl 4-hydroxybenzoate 4-羥基苯甲酸丁酯	94-26-8	All applications 全範圍適用	<1000 ppm
209	Dibutylbis(pentane-2,4-dionato-O,O')tin 二正丁基雙(乙醯丙酮基)錫	22673-19-4	All applications 全範圍適用	<1000 ppm
210	bis(2-(2-methoxyethoxy)ethyl) ether 雙(2-(2-甲氧基乙氧基)乙基)醚	143-24-8	All applications 全範圍適用	<1000 ppm
211	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 二月桂酸二辛基錫, 錫烷, 二辛基-, 雙(椰油醯氧基)衍生物, 以及任何其他錫烷, 二辛基-, 雙(脂肪醯氧基)衍生物。其中C12為脂肪醯氧基部分的主要碳原子數	-	All applications 全範圍適用	<1000 ppm
212	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers 2-(4-叔丁基苄基) 丙醛及其各自立體異構物	-	All applications 全範圍適用	<1000 ppm
213	Orthoboric acid, sodium salt 硼酸鈉鹽	13840-56-7	All applications 全範圍適用	<1000 ppm
214	2,2-bis(bromomethyl)propane 1,3-diol (BMP) 2,2-雙(溴甲基)-1,3-丙二醇 2,2-dimethylpropan-1-ol, tribromo derivative / 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 3-溴-2,2-雙(溴甲基)-1-丙醇 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5/ 1522-92-5 96-13-9	All applications 全範圍適用	<1000 ppm
215	Glutaral 戊二醛	111-30-8	All applications 全範圍適用	<1000 ppm
216	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] 中鏈氯化石蠟[UVCB 物質, 含量大於或等於80% 碳鏈長度在C14至C17範圍內的直鏈氯代烷]	-	All applications 全範圍適用	<1000 ppm
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) 透過由寡聚物反應烷基化的酚產物(主要在對位位置)具有12個碳支鏈或直鏈, 並涵蓋其他同分異構物與/ 或其它組合	-	All applications 全範圍適用	<1000 ppm
218	1,4-dioxane 1,4-二氧六環	123-91-1	All applications 全範圍適用	<1000 ppm

219	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B) 雙酚B	77-40-7	All applications 全範圍適用	<1000 ppm
220	DBMC (6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol) 6,6'-二叔丁基-2,2'-亞甲基雙對苯甲酚	119-47-1	All applications 全範圍適用	<1000 ppm
221	tris(2-methoxyethoxy)vinylsilane 乙氧基-三(2-甲氧基乙氧基)矽烷	1067-53-4	All applications 全範圍適用	<1000 ppm
222	(±)-1,1,7,7-trimethyl-3-[(4-methylphenyl)methylene] bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (±)-1,1,7,7-三甲基-3-[(4-甲基苯基)亞甲基]二環[2.2.1]庚烷-2-酮, 包括各個異構體和/或其組合 (4-MBC)	1782069-81-1; 95342-41-9; 852541-25-4; 36861-47-9; 741687-98-9; 852541-30-1; 852541-21-0	All applications 全範圍適用	<1000 ppm
223	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 S-(三環[5.2.1.0 _{2,6}]癸-3-烯-8(或9)-基) O-(異丙基或異丁基或2-乙	255881-94-8	All applications 全範圍適用	<1000 ppm

請參考以下網站取得目前最新的公佈的高關注物質清單：SVHC <<https://echa.europa.eu/candidate-list-table>>

Please refer to the following website for the latest list of currently released SVHC.

SVHC <<https://echa.europa.eu/candidate-list-table>>

9.表A1-鄰苯二甲酸酯類

Table A1 Phthalate

No	限用之物質 Restricted Substance	CAS No.	允許濃度 Allowable Concentration
1	Bis(2-ethylhexyl) phthalate(DEHP) 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	ND
2	Dibutyl phthalate (DBP) 鄰苯二甲酸二丁酯	84-74-2	ND
3	Benzyl butyl phthalate (BBP) 鄰苯二甲酸丁酯苯甲酯	85-68-7	ND
4	Diisononyl phthalate (DINP) 鄰苯二甲酸二 8-10 支鏈烷基酯或鄰苯二甲酸二壬酯	68515-48-0	ND
5	Diisodecyl phthalate (DIDP) 鄰苯二甲酸二 9-11 支鏈烷基酯或鄰苯二甲酸二癸酯	68515-49-1	ND
6	Dihexyl phthalate (DNOP) 鄰苯二甲酸二正辛酯	117-84-0	ND
7	Bis(-2methoxyethyl) phthalate 鄰苯二甲酸二(2-甲氧乙基)酯	117-82-8	Disclosed 揭露濃度
8	Diphenyl Phthalate (DPhP) 鄰苯二甲酸二苯酯	84-62-8	ND
9	Dimethyl phthalate (DMP) 鄰苯二甲酸二甲酯	131-11-3	ND
10	Diethyl phthalate (DEP) 鄰苯二甲酸二乙酯	84-66-2	ND
11	Di-n-propyl phthalate (DPRP) 鄰苯二甲酸二丙酯	131-16-8	ND
12	Di-n-pentyl Phthalate (DPP/DNPP) 鄰苯二甲酸二正戊酯	131-18-0	ND
13	Di-n-hexyl phthalate (DNHP) 鄰苯二甲酸二正己酯	84-75-3	ND
14	Dicyclohexyl phthalate (DCHP) 鄰苯二甲酸二環己酯	84-61-7	ND
15	Di-n-hexyl phthalate (DNP) 鄰苯二甲酸二正壬酯	84-76-4	Disclosed 揭露濃度
16	Di-iso-butyl phthalate (DIBP) 鄰苯二甲酸二異丁酯	84-69-5	ND
17	Di-iso-pentyl phthalate (DIPP) 鄰苯二甲酸二異戊酯	605-50-5	Disclosed 揭露濃度
18	Di-iso-hexyl phthalate (DIHP) 鄰苯二甲酸二異己酯	68515-50-4	Disclosed 揭露濃度
19	Di-iso-octyl phthalate (DIOP) 鄰苯二甲酸二異辛酯	27554-26-3	ND
20	Dibenzyl Phthalate (DBZP) 鄰苯二甲酸二苯酯	523-31-9	Disclosed 揭露濃度
21	Benzyl 2-ethylhexyl phthalate 鄰苯二甲酸苄酯 2-乙基己基酯	27215-22-1	Disclosed 揭露濃度
22	Diallyl phthalate (DAP) 鄰苯二甲酸二丙烯酯	131-17-9	Disclosed 揭露濃度
23	Butyl cyclohexyl phthalate (BCP/BCHP) 鄰苯二甲酸丁基環己酯	84-64-0	Disclosed 揭露濃度
24	N-pentyl-isopentylphthalate (PIPP) 鄰苯二甲酸正戊基異戊基酯	776297-69-9	Disclosed 揭露濃度

25	Diundecyl phthalate (DUP/DUDP) 鄰苯二甲酸十一烷酯	3648-20-2	Disclosed 揭露濃度
26	Ditridecyl phthalate (DTDP) 鄰苯二甲酸雙十三烷基酯	119-06-2	Disclosed 揭露濃度
27	Bis(methylcyclohexyl) phthalate 鄰苯二甲酸二(甲基環己基)酯	27987-25-3	Disclosed 揭露濃度
28	Cyclohexyl isobutyl phthalate 鄰苯二甲酸環己基異丁酯	5334-09-8	Disclosed 揭露濃度

No	限用之物質 Restricted Substance	CAS No.	允許濃度 Allowable Concentration
29	1,2-Benzenedicarboxylic acid, 1,2-diundecyl ester, branched and linear 1,2-苯二甲酸二十一烷酯(支鏈與直鏈)	85507-79-5	Disclosed 揭露濃度
30	1,2-Benzenedicarboxylic acid (C7,C9) ester, branched and linear, heptyl nonyl phthalate 磷苯二甲酸壬基己基酯(C7,C9支鏈與直鏈)	111381-89-6	Disclosed 揭露濃度
31	1,2-Benzenedicarboxylic acid (C9,C11) ester, branched and linear, Nonyl decyl phthalate 磷苯二甲酸壬基十一烷基酯(C9,C11支鏈與直鏈)	111381-91-0	Disclosed 揭露濃度
32	1,2-Benzenedicarboxylic acid, benzyl C7-9 branched and linear alkyl ester, Benzyl and octyl phthalate 磷苯二甲酸二(C7-9支鏈與直鏈)烷基酯	68515-40-2	Disclosed 揭露濃度
33	1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl ester (DHNUP) 磷苯二甲酸二(C7-11支鏈與直鏈)烷基酯	68515-42-4	Disclosed 揭露濃度
34	1,2-Benzenedicarboxylic acid, di-C9-11 branched and linear alkyl ester (DHNUP) 磷苯二甲酸二(C9-11支鏈與直鏈)烷基酯	68515-43-5	Disclosed 揭露濃度
35	1,2-Benzenedicarboxylic acid, di-C6-8 branched and linear alkyl ester, C7-rich 磷苯二甲酸二(C6-8支鏈與直鏈)烷基酯, 富C7	71888-89-6	Disclosed 揭露濃度
36	1,2-Benzenedicarboxylic acid, di-C8-10 branched and linear alkyl ester, C9-rich 磷苯二甲酸二(C8-10支鏈與直鏈)烷基酯, 富C9	68515-48-0	Disclosed 揭露濃度
37	1,2-Benzenedicarboxylic acid, di-C9-11 branched and linear alkyl ester, C9-rich 磷苯二甲酸二(C9-11支鏈與直鏈)烷基酯, 富C10	68515-49-1	Disclosed 揭露濃度
38	1,2-Benzenedicarboxylic acid, di-C11-14 branched and linear alkyl ester, C9-rich 磷苯二甲酸二(C11-14支鏈與直鏈)烷基酯, 富C13	68515-47-9	Disclosed 揭露濃度
39	Benzyl 3-isobutyryloxy-1-isopropyl-2,2-dimethylpropyl phthalate 1,2-苯二甲酸-2,2-二甲基-1-(1-甲基乙基)-3-(異丁酰氧基)丙基苯甲酯	16883-83-3	Disclosed 揭露濃度
40	(癸基、己基、辛基)酯與1,2-苯二甲酸的複合物 Mixed hexyl, octyl, decyl phthalate	68648-93-1	Disclosed 揭露濃度
41	Bis(4-Methyl-2-Pentyl) Phthalate (BMPP) 鄰苯二甲酸(雙-4-甲基-2-戊)酯	146-50-9	Disclosed 揭露濃度
42	Di-propyl heptyl phthalate (DPHP) 鄰苯二甲酸二(2-丙基庚)酯	53306-94-0	Disclosed 揭露濃度
43	Bis(2-Ethoxyethyl) Phthalate (DEEP) 鄰苯二甲酸雙-2-乙氧基乙酯	605-54-9	Disclosed 揭露濃度
44	Bis(2-N-Butoxyethyl) Phthalate (DBEP) 鄰苯二甲酸二丁氧基乙酯	117-83-9	Disclosed 揭露濃度
45	Bis(2-methoxyethyl) phthalate (DMEP) 鄰苯二甲酸二甲氧乙酯	117-82-8	Disclosed 揭露濃度
46	Dinheptyl Phthalate (DHP) 鄰苯二甲酸二庚酯	3648-21-3	ND

10.表A2 多環芳香烴

Table A2 Polycyclic Aromatic Hydrocarbons (PAHs)

No	限用之物質 Restricted Substance	CAS No.	允許濃度 Allowable Concentration
1	Acenaphthylene (AcPy) 萘烯	208-96-8	<0.2ppm
2	Acenaphthene (Acp) 萘	83-32-9	<0.2ppm
3	Anthracen (Ant) 蒽	120-12-7	<0.2ppm
4	Benzo[a]anthracen (BaA) 苯并[a]蒽	56-55-3	<0.2ppm
5	Benzo[b]fluoranthen (BbF) 苯并[b]芘	205-99-2	<0.2ppm
6	Benzo[j]fluoranthene (BjFa) 苯并[j]芘	205-82-3	<0.2ppm
7	Benzo[k]fluoranthene (BkF) 苯并[k]芘	207-08-9	<0.2ppm
8	Benzo[g,h,i]perylene (BghiP) 苯并[g,h,i]芘	191-24-2	<0.2ppm
9	Benzo[a]pyrene (BaP) 苯并[a]芘	50-32-8	<0.2ppm
10	Benzo[e]pyrene (BeP) 苯并[e]芘	192-97-2	<0.2ppm

11	Chrysene (CHR) 屈	218-01-9	<0.2ppm
12	Dibenz[a,h]anthracene (DBA) 二苯并[a,h]蒽	53-70-3	<0.2ppm
13	Fluoranthene (FL) 熨蔥	206-44-0	<0.2ppm
14	Fluorene (Flu) 芴	86-73-7	<0.2ppm
15	Indeno[1,2,3-cd]pyrene (IND) 茛并[1,2,3-cd]芘	193-39-5	<0.2ppm
16	Naphthalene (Nap) 萘	91-20-3	<0.2ppm
17	Phenanthrene (PA) 菲	85-01-8	<0.2ppm
18	Pyrene (Pyr) 芘	129-00-0	<0.2ppm

11.表A3 特定偶氮化合物分解時不得產生之胺類

Table A3 Amine that must not be produced when specific azo compounds are decomposed

No	限用之物質 Restricted Substance	CAS No.	允許濃度 Allowable Concentration
1	4-aminobiphenyl 4-氨基苯基苯	92-67-1	ND
2	Benzidine 對二氨基聯苯	92-87-5	ND
3	4-chloro-o-toluidine 四氯甲苯胺	95-69-2	ND
4	2-naphthylamine 2-萘胺	91-59-8	ND
5	o-aminoazotoluene 鄰氨基偶氮甲苯	97-56-3	ND
6	2-amino-4-nitrotoluene 二胺基四硝基甲苯	99-55-8	ND
7	p-chloroaniline 氯苯胺	106-47-8	ND
8	2,4-diamoniansole 2,4-二胺基苯甲醚	615-05-4	ND
9	4,4'-diamonidiphenylmethane (MDA) 4,4'-二胺基苯化甲烷	101-77-9	ND
10	3,3'-dichlorobenzidine 3,3'-二氯聯苯胺	91-94-1	ND
11	3,3'-dimethoxybenzidine 3,3'-二甲氧基聯苯胺	119-90-4	ND
12	3,3'-dimethylbenzidine 3,3'-二甲基聯苯胺	119-93-7	ND
13	3,3'-dimethyl-4,4'-diamonodiphenylmethane 3,3'-二甲基-4,4'-二胺基二苯甲醚	838-88-0	ND
14	p-cresidine 氨基對甲苯甲醚	120-71-8	ND
15	4,4'-methylene-bis-(2-chloroaniline) 4,4'-亞甲基-雙(二氯苯胺)	101-14-4	ND
16	4,4'-oxideaniline 4,4'-氧代苯胺	101-80-4	ND
17	4,4'-thiodianiline 4,4'-硫雙苯胺	139-65-1	ND
18	o-toluidine 鄰甲苯胺	95-53-4	ND
19	2,4-toluylenediamine 2,4-甲代苯二胺	95-80-7	ND
20	2,4,5-trimethyamine 2,4,5-均三甲苯胺	137-17-7	ND
21	o-anisidine 鄰氨基苯甲醚	90-04-0	ND
22	4-aminoazobenzene 4-胺基偶氮苯	60-09-3	ND

12.表A4 有機錫化合物

Table A4 Organotin compounds

No	限用之物質 Restricted Substance	CAS No.	允許濃度 Allowable Concentration
1	Alkyl tin compounds 烷基錫化合物	-	ND
2	Monobutyl tin compounds (MBT) 單丁基錫化合物	-	ND
3	Monooctyl tin compounds (MOT) 單丁辛錫化合物	-	ND
4	Monophenyl tin compounds (MPhT) 單苯基錫化合物	-	ND
5	Dimethyl tin compounds (DMT) 二甲基錫化合物	-	ND
6	Dibutyl tin compounds (DBT) 二丁基錫化合物	-	ND
7	Dioctyl tin compounds (DOT) 二辛基錫化合物	-	ND
8	Diphenyl tin compounds (DPhT) 二苯基錫化合物	-	ND
9	Trimethyl tin compounds (TMT) 三甲基錫化合物	-	ND
10	Triethyl tin compounds (TET) 三乙基錫化合物	-	ND
11	Tripropyl tin compounds (TPT) 三丙基錫化合物	-	ND
12	Tributyl tin compounds (TBT) 三丁基錫化合物	-	ND
13	Triphenyl tin compounds (TPhT) 三苯基錫化合物	-	ND
14	Tricyclohexyl tin compounds (TPhT) 三環己基錫化合物	-	ND
15	Tetraethyl tin compounds (TeET) 四乙基錫化合物	-	ND
16	Tetrabutyl tin compounds (TeBT) 四丁基錫化合物	-	ND
17	Tetraphenyl tin compounds (TeBT) 四苯基錫化合物	-	ND
18	Hexamethylditin compounds 六甲基二錫化合物	-	ND
19	Bis[tris(2-methyl-2-phenylpropyl)tin oxide] 苯丁錫	-	ND
20	Bis(2-erhylhexanate)tin 辛酸亞錫	-	ND

13. 表A5 氯化烴類

No	限用之物質 Restricted Substance	CAS No.	允許濃度
1	1,1-Dichloroethylene 1,1-二氯乙烯	75-35-4	ND
2	Pentachloroethane 五氯乙烷	76-01-7	ND
3	Methylenechloride 二氯甲烷	75-09-2	ND
4	Carbon Tetrachloride 四氯化碳	56-23-5	ND
5	1,1,1,2-Tetrachloroethane 1,1,1,2-四氯乙烷	630-20-6	ND
6	1,1,1,2,2-Tetrachloroethane 1,1,2,2-四氯乙烷	79-34-5	ND

7	Tetrachloroethylene 四氯乙炔	127-18-4	ND
8	Chloroform 氯仿/三氯甲烷	67-66-3	ND
9	1,1,2-Trichloroethane 1,1,2-三氯乙烷	79-00-5	ND
10	Trichloroethylene 三氯乙烯	79-01-6	ND
11	1,1,1-Trichloroethane (TCA) 1,1,1-三氯乙烷	71-55-6	ND
12	Bis(chloromethyl)ether 二氯甲醚	542-88-1	ND
13	Polychlorinated Phenols and their salts 多氯酚及其鹽類	-	ND
14	Vinyl chlorolide (monomer) 氯乙烯(單體)	75-01-4	ND
15	1,2-Dichloroethene 1,2-二氯乙烯	156-59-2	ND
16	Pentachlorophenol 五氯苯酚	87-86-5	ND

14. 表A6 全氟烷基物質和多氟烷基物質

Table A6 The Pre- and Polyfluoroalkyl Substances (PFAS)

No	限用之物質 Restricted Substance	CAS No.	允許濃度
1	全氟丁酸 Perfluorobutyric acid	375-22-4	Disclosed 揭露濃度
2	全氟戊酸 Perfluoropentanoic acid	2706-90-3	Disclosed 揭露濃度
3	全氟己酸 Perfluorohexanoic acid	307-24-4	Disclosed 揭露濃度
4	全氟庚酸 Perfluoroheptanoic acid	375-85-9	Disclosed 揭露濃度
5	全氟壬酸 Perfluorononanoic acid	375-95-1	ND
6	全氟癸酸 Perfluorodecanoic acid	335-76-2	ND
7	全氟十一烷酸 Perfluoroundecanoic acid	2058-94-8	ND
8	全氟十二烷酸 Perfluorododecanoic acid	307-55-1	ND
9	全氟十三烷酸 Perfluorotridecanoic acid	72629-94-8	ND
10	全氟丁烷磺酸 Perfluorobutane sulfonic acid	375-73-5	Disclosed 揭露濃度
11	全氟戊烷磺酸 Perfluoropentane sulfonic acid	2706-91-4	Disclosed 揭露濃度
12	全氟己烷磺酸 Perfluorohexane sulfonic acid	355-46-4	Disclosed 揭露濃度
13	全氟庚烷磺酸 Perfluoroheptane sulfonic acid	375-92-8	Disclosed 揭露濃度
14	全氟壬烷磺酸 Perfluorononane sulfonic acid	68259-12-1	Disclosed 揭露濃度
15	全氟烷基物質和多氟烷基及相關化合物 The Pre- and Polyfluoroalkyl Substances (PFAS) related	-	Disclosed 揭露濃度

15. 表A7 磷系阻燃劑

Table A6 Phosphorus Flame Retardant(PFR)

No	限用之物質 Restricted Substance	CAS No.	適用範圍 Applicable Scope	允許濃度 Allowable Concentration
1	TCPP 磷酸三(2-氯丙基)酯	13674-84-5	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND
2	TDCPP 磷酸三(2,3-二氯丙基)酯	13674-87-8	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND
3	TCEP 磷酸三硬脂精(2-氯二乙硫醚)	115-96-8	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND
4	TPP 磷酸三苯酯	115-86-6	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND
5	TMP 磷酸三甲酯	512-56-1	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 <1000ppm
6	TXP 磷酸三(二甲苯)酯	25155-23-1	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND
8	TDBPP三(二溴丙基)-磷酸酯	126-72-7	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND
9	TEPA三(1-氮丙啶基)氧化磷	545-55-1	Plastic, rubber, ink and painting in products 產品內塑膠、橡膠、油墨、塗料 Except for above application 上述外其他應用	Disclosed 揭露濃度 ND

16. GADSL全球汽車申報物質清單 Global Automotive Declarable Substance List (GADSL)

詳細清單請參考附件或GADSL網站<https://www.gadsl.org/>.

For full substances list, please read annex or visit GADSL website <https://www.gadsl.org/>.

17. ELV車輛廢棄指令除外條款 End-of Life Vehicles(ELV) Exemption

詳細清單請參考官方網站<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32017L2096>

For full list, please visit official website <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32017L2096>

18. 加州65號法案清單 California Proposition 65 List

詳細清單請參考官方網站<https://oehha.ca.gov/proposition-65/proposition-65-list>

For full list, please visit official website <https://oehha.ca.gov/proposition-65/proposition-65-list>

19. 表C 歐盟限用物質除外條款

Table C EU RoHS Exemption

No	豁免物質 Exempted substances	項目描述 Description	適用項目 Applicable item	有效日期 Dates of applicability
1(a)	汞	一般照明 <30W (<2.5mg)	單端螢光燈	-
1(b)	汞	一般照明 ≥30W, <50W (<3.5mg)	單端螢光燈	-
1(c)	汞	一般照明 ≥50W, <150W (<5mg)	單端螢光燈	-
1(d)	汞	一般照明 ≥150W (<15mg)	單端螢光燈	-
1(e)	汞	一般照明, 圓或方, 管徑 ≤17mm (<7mg)	單端螢光燈	-
1(f)	汞	特殊用途 (<5mg)	單端螢光燈	-
2(a)(1)	汞	一般壽命之三波長螢光燈, 其管直徑 < 9 mm (<4mg)	直線型雙端螢光燈	-
2(a)(2)	汞	一般壽命之三波長螢光燈, 其管直徑 ≥ 9 mm 且 < 17 mm (<3mg)	直線型雙端螢光燈	-
2(a)(3)	汞	一般壽命之三波長螢光燈, 其管直徑 > 17mm 且 < 28 mm (<3.5mg)	直線型雙端螢光燈	-
2(a)(4)	汞	一般壽命之三波長螢光燈, 其管直徑 > 28 mm (<3.5mg)	直線型雙端螢光燈	-
2(a)(5)	汞	長壽命(≥ 25 000 h)之三波長螢光燈 (<5mg)	直線型雙端螢光燈	-
2(b)(3)	汞	非直線型三波長螢光燈, 其管直徑 > 17 mm (<15mg)	其他螢光燈	-
2(b)(4)	汞	其他一般照明及特殊用途之燈(例如感應燈) (<15mg)	其他螢光燈	-
3(a)	汞	長度較短(< 500 mm) (<3.5mg)	特殊用途之冷陰極螢光燈及外部電極螢光燈(CCFL 和EEFL)	-
3(b)	汞	中等長度(> 500 mm 且 < 1 500 mm) (<5mg)	特殊用途之冷陰極螢光燈及外部電極螢光燈(CCFL 和EEFL)	-
3(c)	汞	長度較長(> 1 500 mm) (<13mg)	特殊用途之冷陰極螢光燈及外部電極螢光燈(CCFL 和EEFL)	-
4(a)	汞	重量<15mg	其他低壓放電燈	-
4(b)-I	汞	P < 155 W (<30mg)	高壓鈉(蒸氣)燈(Ra>60)	-
4(b)-II	汞	155 W < P < 405 W (<40mg)	高壓鈉(蒸氣)燈(Ra>60)	-
4(b)-III	汞	P > 405 W (<40mg)	高壓鈉(蒸氣)燈(Ra>60)	-
4(c)-I	汞	P < 155 W (<25mg)	其他高壓鈉(蒸氣)燈	-
4(c)-II	汞	155 W < P < 405 W (<30mg)	其他高壓鈉(蒸氣)燈	-
4(c)-III	汞	P > 405 W (<40mg)	其他高壓鈉(蒸氣)燈	-
4(e)	汞	-	金屬鹵化物燈(MH)	-
4(f)	汞	-	其他本附件未提及之特殊用途放電燈	-
5(a)	鉛	玻璃	陰極射線管	-
5(b)	鉛	玻璃(含鉛量<0.2%)	螢光管	-
6(a)	鉛	含鉛量<0.35%	加工用途之鋼材及鍍鋅鋼	2021-7-21
6(a)-I	鉛	含鉛量<0.35%	已加工之鋼材及鍍鋅鋼	2021-7-21
6(a)-II	鉛	含鉛量<0.2%	批式熱浸鍍鋅鋼	2021-7-21
6(b)	鉛	含鉛量<0.4%	鋁合金	2021-7-21
6(b)-I	鉛	含鉛量<0.4%	回收鋁合金廢料	2021-7-21
6(b)-II	鉛	含鉛量<0.4%	經加工處理鋁合金	2021-7-21
6(c)	鉛	含鉛量<4%	銅合金	-
7(a)	鉛	合金(含鉛量 ≥ 85 %)	高熔點鋁錫	2021-7-21
7(b)	鉛	鋁錫	用於伺服器、記憶體和存儲系統和交換、信號和傳輸, 以及電信網路管理的網路基礎設施/設備	-
7(c)-I	鉛	-	含鉛之玻璃或陶瓷的電器和電子元件(介電陶瓷電容除外)	2021-7-21
7(c)-II	鉛	-	額定電壓為125 V AC 或250 V DC 或更高之介電陶瓷電容器	2021-7-21
7(c)-III	鉛	-	額定電壓小於125 V AC 或250 V DC 之介電陶瓷電容	2013/1/1前之備用零件
7(c)-IV	鉛	-	積體電路或離散式半導體的電容器, 其PZT基陶瓷介電材料	2021-7-21

No	豁免物質 Exempted substances	項目描述 Description	適用項目 Applicable item	有效日期 Dates of applicability
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8(a)	鎘	-	溫度保險絲	2012/1/1前之備用零件
8(b)	鎘	-	電子接點	2021-7-21
8(b)-I	鎘	-	斷路器、熱感應控制器、熱電機保護器、交流開關(60A/250V; 12A/125V以上)、直流開關(20A/18V以上)、電源頻率200HZ以上的開關	2021-7-21
9	六價鉻	為碳鋼冷卻系統防腐劑(六價鉻含量<0.75%)	吸收式冷藏櫃	2021-7-21
9(a)-I	六價鉻	為碳鋼冷卻系統中之抗腐蝕劑,其重量不超過冷卻溶液0.75% -設計用於可完全或部分使用電加熱器、在固定運作條件下平均使用功率小於75 W	吸收式冷藏櫃	適用於第1-7類、第10類產品 2021/3/5
9(a)-II	六價鉻	為碳鋼冷卻系統中之抗腐蝕劑,其重量不超過冷卻溶液0.75% -設計用於可完全或部分使用電加熱器、在固定運作條件下平均使用功率大於或等於75 W -設計用於操作時完全不使用電加熱器	吸收式冷藏櫃	適用於第1-7類、第10類產品 2021/7/21
9(b)	鉛	軸承外殼及其軸襯	冷暖空調設計(HVACR)中零部件	-
11(a)	鉛	-	C-press 順應針連接器系統	2010/9/24前之備用零件
11(b)	鉛	-	除了C-press 之外其他順應針連接系統	2013/1/1前之備用零件
12	鉛	塗層	熱導槍釘模組C-ring	2010/9/24前之備用零件
13(a)	鉛	-	光學應用之白玻璃	2021-7-21
13(b)	鉛、鎘	-	濾光玻璃及用來當做反射率標準片玻璃	2021-7-21
14	鉛	焊接劑(含有超過兩種成份)(含鉛量80~85%)	微處理器針腳及封裝連接	2011/1/1前之備用零件
15	鉛	焊錫	用於焊接半導體終端和集成電路板載體	2021-7-21
15(a)	鉛	焊錫(用於焊接半導體終端和集成電路板載體)	90nm以上的半導體技術節點;或技術節點中單一尺寸大於300nm ² 的晶粒;或封裝晶粒/矽基板尺寸大於300nm ²	2021-7-21
18(b)	鉛	螢光粉觸媒劑(含鉛量<1%)	當放電燈被用作含磷仿日曬燈(例如BSP)	2021-7-21
18(b)-I	鉛	含BSP磷光體的放電燈中,該磷光體的活化劑(含鉛量<1%)	用於醫療光療設備	2021-7-21
21	鉛、鎘	油墨	用於硼矽酸鹽玻璃瓷漆(用於第8、9和11類)	2021-7-21
21(a)	鎘	顯示發光模組和控制面板	用於彩色印刷玻璃時提供過濾功能的組件	2021-7-21
21(b)	鎘	油墨	用於硼矽酸鹽玻璃瓷漆	2021-7-21
21(c)	鉛	油墨	用於硼矽酸鹽玻璃瓷漆以外	2021-7-21
23	鉛	表面處理(>0.65mm)	細間距零件	2010/9/24前之備用零件
24	鉛	焊料	通孔盤狀及平面陣列陶瓷多層電容器	2021-7-21
25	氧化鉛	密封玻璃和環狀玻璃	表面傳導式電子發射顯示器(SED)	-
29	鉛	水晶玻璃	見69/493/EEC 號指令附件1 第	2021-7-21
30	鎘合金	電氣或機械焊點	用於位於音量大於或等於100 分貝的大功率擴音器音圈上之電導體	-
31	鉛	焊料	用於無汞平面螢光燈(例如用於液晶顯示器、設計或工業照明)	-
32	氧化鉛	-	用於氬和氬鎘射管的封裝材料	2021-7-21
33	鉛	焊料	涉及電源變壓器中直徑100 微米及以下細銅線	-
34	鉛	-	水泥製微調電位器組件	2021-7-21
37	鉛	電鍍層	基於硼酸鋅玻璃體的高壓二極體	2021-7-21
38	鎘、氧化鎘	厚膜漿料	用於鉛結合氧化鋁	-
41	鉛	電子電氣元件的焊料和最終表面材料以及使用於印刷電路板表面材料,由於技術方面的原因,必須是直接安裝在手持式內燃機中的曲軸箱或氣缸	點火模組和其他電子電氣發動機	2022-3-31
42	鉛	柴油或汽油動力內燃機的軸承和襯套	用於第11類電子和電氣設備	2024-7-21
43	Bis(2-ethylhexyl) phthalate(DEHP) 鄰苯二甲酸二(2-乙基己基)酯	發動機橡膠組件中的橡膠件:墊片塗層、固體橡膠墊片,或橡膠組件中至少有三個零組件是使用電能、機械能或液壓能驅動,並連接至發動機(不超過30%(w/w))。不屬於上述,不超過10%(w/w)。	用於第11類電子和電氣設備	2024-7-21
44	鉛	內燃機感應器,執行器和發動機控制單元中的焊錫中的鉛,安裝在固定位置使用的設備	用於第11類電子和電氣設備	2024-7-21
45	鉛、鎘	使用於民用(專業)炸藥之電子引爆器中的疊氯化鉛、中性斯蒂芬酸鉛、二苦氨酸鉛、四氧化鉛、二氧化鉛以及民用(專業)炸藥之電子引爆器中作為長時煙火爆破延時藥劑的鉻酸鉛	用於第11類電子和電氣設備	2026-4-20

15.附件、GADSL全球汽車申報物質清單

Annex Global Automotive Declarable Substance List (GADSL)

NO	限用之物質 Restricted Substance	CAS No.	揭露濃度閾值(除非另有說明, 否則為0.1%) Reporting threshold (0.1% unless otherwise stated)
1	Acetaldehyde	75-07-0	
2	Acetamide, N-methyl-	79-16-3	
3	Acetonitrile	75-05-8	
4	Acrylamide	79-06-1	
5	Acrylonitrile	107-13-1	
6	Alkyl (C7-C9), 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates, mixture of branched and linear	127519-17-9	
7	Alkyl Phenol derivatives, selected		0.3% per CLP regulation 1712/2008 (EC) table 3.7.2 These substance use are prohibited for additives of mixture sold independently (for example; anti-oxide additive of lubricant)
8	Amines, coco alkyl	61788-46-3	
9	Amines, which can form carcinogenic Nitrosamines, selected		
10	4-Aminobiphenyl and its salts, all members		0.01%
11	Ammonium Nitrate (AN)	6484-52-2	
12	Ammonium perchlorate	7790-98-9	
13	Aniline and its salts, all members		
14	9,10-Anthracenedione, 1-[[5,7-dichloro-1,9-dihydro-2-methyl-9-oxopyrazolo[5,1-b]quinazolin-3-yl]azo]- (Pigment Red 251)	74336-60-0	0.1%, Report any intentionally added content. No testing required.
15	Antimonytrioxide (Diantimonytrioxide)	1309-64-4	
16	Aromatic amines, selected		
17	Arsenic and its compounds, all members		0.01% (unless present in metals & alloys, then the declaration limit is 0.05%).
18	Asbestos fibers, all members		Any intentionally added content
19	Asbestos minerals, all members		Any intentionally added content
20	Azodyes that can form carcinogenic amines, selected		
21	Barium compounds (organic or water soluble), selected		1%
22	Benzene		0.1% for physical solid state parts Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.0005%)
23	Benzene, 1-(1,1-dimethylethyl)-3,5-dimethyl-2,4,6-trinitro- (Musk xylene)	81-15-2	
24	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride	552-30-7	
25	Benzenemethanaminium, N-ethyl-N-[[4-[[ethyl[(3-sulfophenyl)methyl]amino]phenyl]](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt	3844-45-9	
26	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)	68921-45-9	0.1%, Report any intentionally added content. No testing required.
27	1,4-Benzenediamine, N,N'-mixed phenyl and tolyl derivs	68953-84-4	0.1%, Report any intentionally added content. No testing required.
28	1,4-Benzenediamine, N,N'-mixed Ph and tolyl and xylyl derivs.	68953-83-3	
29	1,4-Benzenediamine, N,N'-mixed tolyl and xylyl derivs.	68478-45-5	
30	1,4 Benzenediol (Hydroquinone)	123-31-9	
31	Benzenepropanoic acid, 3-(1,1-dimethylethyl)-4-hydroxy-5-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester	36443-68-2	
32	Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	
33	Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine	68584-24-7	
34	Benzenesulfonic acid,C10-13-alkyl derivs., sodium salts	68411-30-3	
35	Benzenesulfonic acid,dodecyl(sulfophenoxy)-, sodium salt (1:2)	28519-02-0	
36	Benzenesulfonic acid, oxybis[dodecyl-, disodium salt	25167-32-2	
37	Benzenesulfonic acid, [[4-[[4-(phenylamino)phenyl]]4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]phenyl]amino]- (Pigment Blue 61)	1324-76-1	
38	Benzidine and its salts, all members		0.01%, see details for Canada specific
39	Benzododecinium chloride;	139-07-1	
40	Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,4-bis(1,1-dimethylethyl)phenyl ester	4221-80-1	
41	Benzophenone	119-61-9	
42	Benzothiazole-2-thiol; 2-Mercaptobenzothiazole;	149-30-4	
43	2-Benzothiazolesulphenamide, N, N-dicyclohexyl-	4979-32-2	Any intentionally added content must be reported
44	2(3H)-Benzothiazolethione,sodium salt (1:1)	2492-26-4	
45	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	
46	2-(2H-benzotriazol-2-yl)-p-cresol (UV-P)	2440-22-4	
47	Beryllium and its compounds, all members		
48	Biocidal coatings / biocidal additives, selected		Any intentionally added content
49	Bis(chloromethyl) ether (BCME)	542-88-1	Any intentionally added content
50	Boric acid/Orthoboric acid	10043-35-3	
51	Boric acid/Orthoboric acid	11113-50-1	
52	Butadiene, 1,3 -	106-99-0	
53	Cadmium and its compounds, all members		0.01% for impurities, any intentionally added content must be reported
54	Chlorinated hydrocarbons, selected		
55	Chlorinated or brominated Dibenzo-p-dioxins or Dibenzofurans, all members		Content above 10 ppb

56	Chlorinated paraffins, short & medium chain length (SCCP, MCCP), all members: Note that the use of specific CAS numbers for these substances differs throughout the world. Example CAS numbers are provided below; however, other CAS numbers may be used that are not specific to chain length. Therefore, please consult your MSDS and supplier to determine product-specific chain length.		1%
57	5-Chlorobenzotriazole, 2-(2-Hydroxy-3-tert-butyl-5-methylphenyl)- (UV-326)	3896-11-5	
58	Chromium(VI)-salts, all members		0.1% for impurities, any intentionally added content must be reported, 3mg/kg of chromium VI content in the total dry weight of the leather
59	C.I. Disperse Yellow 3	2832-40-8	
60	Cobalt and its compounds, all members		Cobalt compounds and alloys, <u>excluding</u> cobalt in steels
61	Colophony (Rosin), selected		
62	Copper (metallic)	7440-50-8	<ul style="list-style-type: none"> • 5 % copper and its compounds by weight (January 1, 2021) • 0.5 % copper and its compounds by weight (January 1, 2025)
63	Critical Raw Materials	See list of substances reported in IMDS: https://public.mdssystem.com/web/imds-public-pages/gadsl-crm	0.1%
64	Cumene	98-82-8	
65	Cyclododecane, hexabromo- (HBCD)		for Canada report any intentionally added content
66	D&C Orange No. 17	3468-63-1	
67	Decamethylcyclpentasiloxane	541-02-6	
68	Diamino-diphenylmethane (4,4'-Diaminodiphenylmethane)	101-77-9	
69	Diazene-1,2-dicarboxamide, Azodicarbonamide (ADCA)	123-77-3	
70	1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione	53988-10-6	
71	1,3-dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione, zinc salt	61617-00-3	
72	2,4-Dihydroxybenzophenone	131-56-6	
73	Diisodecyl azelate	28472-97-1	
74	Dimethylformamide (N,N-Dimethylformamide)	68-12-2	Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration
75	2,4 Dinitrotoluene	121-14-2	
76	Diorganotin compounds		0.1% by weight of Tin
77	Disodium octaborate, anhydrous	12008-41-2	
78	Disodium octaborate tetrahydrate; Boron sodium oxide (B8Na2O13), tetrahydrate	12280-03-4	
79	Disodiumtetraborates, selected		
80	2,6-di-tert-butyl-p-cresol	128-37-0	
81	6,6'-di-tert-butyl-4,4'-thiodi-m-cresol	96-69-5	
82	2,5-di-tert-pentylhydroquinone	79-74-3	
83	2,2'-Dithiobis(benzothiazole)	120-78-5	
84	Diundecyl phthalate, branched and linear	85507-79-5	
85	Dodecachloropentacyclo 1, 3, 4-Metheno-1H-cyclobuta(cd)pentalene, Mirex	2385-85-5	Intentional addition prohibited
86	1,6,7,8,9,14,15,16,17,17,18,18 - Dodecachloropentacyclo[12.2.1.1*6,9*.0*2,13*.0*5,10*]octadeca -7,15-diene, all members		

87	Dodecamethylcyclhexasiloxane (D6)	540-97-6	
88	Epichlorohydrin (1-chloro-2,3-epoxypropane)	106-89-8	
89	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, chloride (Basic Blue 7)	2390-60-5	
90	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	84852-53-9	
91	Ethane-1,2-diol	107-21-1	
92	Ethanol, 2-(2-methoxyethoxy)-	111-77-3	0.1%, Report any intentionally added content. No testing required.
93	Ethyl-/ Methyl-glycols and their acetates		Report any known concentration
94	Ethylbenzene	100-41-4	
95	N,N'-ethylenebis(3,4,5,6-tetrabromophthalimide)	32588-76-4	
96	Ethylenediamine	107-15-3	
97	Ethylene Glycol Monoethyl Ether Acetate	111-15-9	
98	Ethylenethiourea/Imidazolidine -2-thione	96-45-7	
99	Formaldehyde	50-00-0	Any intentionally added content of formaldehyde must be reported. Formaldehyde in any material, which may be emitted under reasonable and foreseeable conditions, must be qualitatively indicated. Impurities of formaldehyde above 0.1 % has to be declared.
100	Hexachlorobenzene	118-74-1	Canada: no intentional addition. Japan: ≤ BAT
101	Hexachloro-1,3-butadiene (HCBd)	87-68-3	Intentional addition prohibited
102	Hexachlorocyclohexane, gamma isomer, Lindane	58-89-9	
103	Hexamethyldisiloxane	107-46-0	
104	2-Hexyldecan-1-ol	2425-77-6	
105	Hydrazine	302-01-2	
106	Hydrobromofluorocarbons (HBFC's), all members		
107	Hydrochlorofluorocarbons (HCFC's), all members		
108	Hydrofluorocarbons (HFC's), saturated, all members		
109	Indium tin oxide (ITO)	50926-11-9	
110	1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromopropoxy)benzene]	21850-44-2	
111	1,1'-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene]	97416-84-7	
112	Isodecyl diphenyl phosphate	29761-21-5	
113	4,4'-isopropylidenediphenol	80-05-7	
114	Isopropylphenyl phosphate	68937-41-7	
115	Kieselguhr, soda ash flux-calcined	68855-54-9	
116	Lead and its compounds, all members		0.1% for impurities, any intentionally added content must be reported
117	Mercury and its compounds, all members		0.1% for impurities, any intentionally added content must be reported
118	Methanaminium, N-[4-[[4-(dimethylamino)phenyl]phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, chloride	569-64-2	
119	Methanol	67-56-1	0.6% in windscreen washing or defrosting fluids
120	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	
121	4,4'-methylenediphenol	620-92-8	
122	4,4'-(1-Methylpropylidene)bisphenol	77-40-7	
123	alpha-Methylstyrene	98-83-9	
124	Mineral fibers (Natural or Synthetic), all members except: - Non-respirable fibers - Fibers with low biopersistence		Fibers or fibrils that: 1. exceed biopersistence limits (i.e. don't fall under Nota Q of Reg. (EC) No 1272/2008 (CLP) and, 2. are considered respirable (i.e. not continuous filament or not falling under Nota R of EU-D 1272/2008 (CLP) and, 3. have a fibre diameter of 3 microns or less, and a length of 5 micron or more, with a length:diameter ratio equal to or greater than 3:1 (WHO definition)
125	Miristalkonium chloride;	139-08-2	
126	Molybdenum trioxide	1313-27-5	
127	Monomethyldibromodiphenylmethane	99688-47-8	
128	Monomethyldichlorodiphenylmethane	81161-70-8	
129	Monomethyltetrachlorodiphenylmethane	76253-60-6	
130	Naphthalenedisulfonic acid, dinonyl-	60223-95-2	
131	Naphthalenesulfonicacid, dinonyl-, calcium salt (2:1)	57855-77-3	
132	Naphthalenesulfonicacid, dinonyl-	25322-17-2	
133	2-Naphthylamine and its salts, all members		0.01%
134	N-1-naphthylaniline	90-30-2	
135	Nickel and its compounds, all members		

136	Nitrites, all members		
137	4-Nitrobiphenyl and its salts, all members		0.01%
138	Nitrocellulose	9004-70-0	
139	N-Nitrosamines, selected		
140	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts, all members		
141	Perfluorobutane sulfonic acid (PFBS) and its salts, all members		
142	4-Nonylphenol, branched and linear, all members		
143	Nonylphenol ethoxylates, -OH terminated, all members		
144	O,O,O-triphenyl phosphorothioate	597-82-0	
145	Octadecanamine	124-30-1	
146	Octamethylcyclotetrasiloxane	556-67-2	
147	Octamethyltrisiloxane	107-51-7	
147	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol		
149	Ozone depleting halogenated Hydrocarbons and Carbons, all members		Any intentionally added content must be reported
150	Pentachlorobenzene	608-93-5	Any intentionally added content
151	Pentachlorophenol (PCP) and its salts and esters, all members		5ppm
152	Perchlorates, all members		
153	Perfluorohexane-1-sulphonic acid and its salts, all members		
154	Perfluorooctane sulfonates C8F17SO2X (X = OH, Metal salt, halide, amide, and other derivatives including polymers) (PFOS), all members		
155	PFNA, Perfluorononan-1-oic-acid and its sodium and ammonium salts		
156	PFOA, Perfluorooctanoic acids C8F15O2H, its salts, esters, higher homologues and precursors, all members		For Norway P at 1µg/m ² in textiles, carpets and coated products; Reg. (EC) No 2019/1021 and 2020/784: 0,025 mg/kg for PFOA including its salts, 1 mg/kg for the individual PFOA-related compounds or a combination of those compounds (with special exemption for
157	Phenol	108-95-2	
158	Phenol, 2,4-bis(1,1-dimethylethyl)-	96-76-4	
159	Phenol, 2,6-bis(1,1-dimethylethyl)-	128-39-2	
160	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)- (UV 320)	3846-71-7	
161	Phenol, 2-(2H-Benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)- (UV-234)	70321-86-7	
162	Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)- (UV 329)	3147-75-9	
163	Phenol, 2-(2H-benzotriazol-2-yl)-4-(1,1-dimethylethyl)-6-(1-methylpropyl)- (UV 350)	36437-37-3	
164	Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1'-dimethylethyl)- (UV 327)	3864-99-1	Any intentionally added content must be reported
165	Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5	
166	Phenol, 4,4',4''-(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl]-	1843-03-4	
167	Phenol, 4,4'-methylenebis[2,6-bis(1,1-dimethylethyl)-	118-82-1	
168	Phenol, styrenated	61788-44-1	
169	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	140-66-9	
170	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated, selected		
171	Phenol, 2-(1-methylpropyl)-4,6-dinitro-	88-85-7	
172	Phenol, 2,4,6-tris(1,1-dimethylethyl)-	732-26-3	
173	Phenylendiamines and its salts, selected		
174	Phenyl Glycidyl Ether	122-60-1	
175	Phosphoric acid, bis[(1,1-dimethylethyl)phenyl] phenyl ester	65652-41-7	
176	Phosphoric acid,(1,1-dimethylethyl)phenyl diphenyl ester	56803-37-3	
177	Phosphoric acid, tris(2-methylphenyl) ester	78-30-8	
178	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-propyl) esters, zinc salts	84605-29-8	
179	Phosphorodithioic acid,mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts	85940-28-9	
180	Phosphorodithioic acid,mixed O,O-bis(iso-butyl and pentyl) esters, zinc salts	68457-79-4	
181	Phosphorodithioic acid, mixed O,O-bis(sec-butyl and isoocetyl) esters, zinc salts	113706-15-3	
182	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	
183	Phthalates, selected		
184	Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis -	120-54-7	
185	Pitch, coal tar, high temp.	65996-93-2	
186	Polyamine Curing Agents, selected		
187	Polybrominated biphenyls (PBB), all members		
188	Polybrominated diphenyl ethers (PBDE),all members		0.05% for tetra-, penta-, hexa-, hepta- and deca-BDE and the sum of them 0.1% for each of the other entries, and for tetra-, penta-, hexa-, hepta- and deca-BDE in electronic equipment
189	Polybrominated terphenyls (PBT), all members		
190	Polychlorinated biphenyls (PCB), all members		0.0002% 0.005 % for Pigments allowed (BAT)
191	Polychlorinated naphthalenes, all members		Report any intentionally added content
192	Polychlorinated terphenyls (PCT), all members		0.001%

193	Polycyclic aromatic hydrocarbons (PAH; PCAH), selected		EC 552/2009 and 2015/326 (REACH Annex XVII, entry 50, paragraph 1-4), Extender oils used in tyre manufacturing process < 10 mg/kg of 8 REACH PAH or, polycyclic aromatics (PCA) < 3 % (w/w) tested with EN 16143:2013 in extender oils or in vulcanised rubber compounds < 0,35 % Bay protons tested with ISO 21461. EC 1272/2013 Polycyclic aromatic hydrocarbons (REACH Annex XVII, entry 50, paragraph 5-8), Rubber and plastic article in contact with skin < 1 mg/kg for any of the 8 REACH PAH. EC 2018/1513 Substances listed in Appendix 12 (REACH Annex XVII, entry 72), textiles other than clothing in contact with skin. GB/T 30512 (China): Under discussion
194	1,3-Propanesultone	1120-71-4	
195	2-Propanone, reaction products with diphenylamine (PREPOD)	68412-48-6	any intentionally added content
196	Pyrrolidones, selected		
197	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Alkyl (C12-16) dimethylbenzyl ammonium chloride; C12-16-ADBAC;	68424-85-1	
198	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite	71011-24-0	
199	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with hectorite	71011-26-2	
200	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, chlorides;	61789-80-8	
201	Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	
202	Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides	61789-77-3	
203	Resin acids and Rosin acids, calcium salts	9007-13-0	
204	Resin acids and Rosin acids, sodium salts	61790-51-0	
205	Resin acids and Rosin acids, hydrogenated, esters with pentaerythritol	64365-17-9	
206	Resin acids and Rosin acids, hydrogenated, esters with glycerol	65997-13-9	
207	Resin acids and Rosin acids, hydrogenated, methyl esters	8050-15-5	
208	Radioactive substances (including scrap metal contaminants), all members		Above background radiation
209	Selenium and its compounds, all members		
210	Silica, crystalline	14808-60-7	any intentionally added content
211	Sodium azide	26628-22-8	
212	Styrene (Vinyl benzene)	100-42-5	
213	Styrene oxide (Epoxy styrene)	96-09-3	
214	Sulfonic acids, C10-18-alkane, phenyl esters	70775-94-9	
215	Sulfonic acids, petroleum, calcium salts, overbased	68783-96-0	
216	Sulfonic acids, petroleum, barium salts	61790-48-5	
217	Sulfonic acids, petroleum, calcium salts	61789-86-4	
218	Sulfonic acids, petroleum, magnesium salts	61789-87-5	
219	Sulfonic acids, petroleum, sodium salts	68608-26-4	
220	4,4'-sulphonylbis[2,6-dibromophenol],Tetrabromobisphenol S, (TBBPS)	39635-79-5	
221	Sulfur hexafluoride	2551-62-4	
222	Tall Oil	8002-26-4	
223	Tall oil pitch	8016-81-7	
224	Terphenyl, hydrogenated	61788-32-7	
225	1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	2475-45-8	Shall not be placed on the market textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing. (Concentration limit by weight 0.005%)
226	Tetrabromobisphenol A (TBBPA)	79-94-7	
227	Tetrachlorobenzene, all members		Any intentionally added content
228	Tetrafluoro-methane	75-73-0	
229	Tetraphenyl m-phenylene bis(phosphate)	57583-54-7	
230	Thallium	7440-28-0	
231	Thioperoxydicarbonic diamide (((H2N)C(S))2S2), tetramethyl-; Thiram; Tetramethylthiram disulphide;	137-26-8	
232	Toluene	108-88-3	
233	o-Toluidine generating substances, selected		
234	2,4,6-Triallyloxy-1,3,5-triazine	101-37-1	
235	Trichlorophenol and its salts, all members		
236	Trichloropropane (1,2,3 - Trichloropropane)	96-18-4	
237	Trimethylphosphate	512-56-1	
238	Triorganotin compounds, all members		
239	Triphenylphosphate	115-86-6	
240	Tris(1,3-dichloro-2-propyl)phosphate	13674-87-8	
241	Tris-(1-aziridinyl) phosphine oxide	545-55-1	
242	Tris(2-chloro-1-methylethyl) phosphate	13674-84-5	
243	Tris(2,3-dibromopropyl)phosphate (TRIS)	126-72-7	
244	Tris(2-chloroethyl)phosphate	115-96-8	
245	Tris(2-ethylhexyl)-benzene-1,2,4-tricarboxylate	3319-31-1	
246	Tris(methylphenyl) phosphate	1330-78-5	

247	Tris(nonylphenyl) phosphite (TNPP)	26523-78-4	
248	Trixylyl phosphate	25155-23-1	
249	UVCB-Diamines, all members		
250	Vanadium pentoxide (orthorhombic crystalline form)	1314-62-1	
251	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	

****Deletions list***

