

# bluesign® Restricted Substances List (RSL)

## bluesign® 限用物質清單 (RSL)

**Version 10.0 | September 15, 2019**

Product stewardship with respect to consumer safety aspects is difficult to manage in a complex supply chain. Supplier compliance declarations, which attest conformity with the brand Restricted Substance List (brand RSL) can be a good way to start. They should be further accompanied by a responsible testing program that monitors reliability of suppliers' declarations.

The bluesign® system substances list (BSSL) Consumer safety limits specifies consumer safety limits for chemical substances in articles. Due to the quantity and range of listed substances the BSSL shall not be used for confirmation declarations. Only a comprehensive input stream management and a network of committed bluesign® SYSTEM PARTNERS (including chemical suppliers), that together result in a positive list of preferred chemicals (bluesign® FINDER), can assure best compliance with the BSSL limits.

The RSL at hand is an extract of the BSSL and contains consumer safety limits and recommended testing methods for the most important and legally restricted substances in textile and leather articles and accessories. Brands and retailers can use this RSL as an orientation for the terms and conditions of purchase. Together with a testing matrix the document can also be utilized as a guide for appropriate testing of articles such as textiles.

The RSL is revised at least annually in alignment with the BSSL.

在複雜的供應鏈中要保障消費者安全的產品責任管理是一項挑戰。從要求供應商提供符合品牌限用物質清單(品牌 RSL)的合規聲明是一個好的開始。同時, 供應商還應有一個健全的測試計畫來證明合規聲明的可靠性。

bluesign® system 物質清單 (BSSL)消費者安全限值規定了製品中可含受控物質的消費者安全限值。由於 BSSL 所列出的受控物質數量和範圍廣泛, BSSL 不應直接用於供應商的合規聲明。只有透過全面的輸入流管理和強大的 bluesign® SYSTEM 合作夥伴網路 (包括化學品供應商) 才能得出優選化學品清單 (bluesign® FINDER), 並保障最大程度符合 BSSL 限值。

本份 RSL 是摘錄自 BSSL, 其中包含在紡織及皮革製品中最重要及受法規監管受控物質的消費者安全限值和推薦的測試方法。品牌和零售商可以使用此 RSL 作為採購條款的指引方針。本文件可同時與測試矩陣一起參考作為製品的測試指南。

RSL 與 BSSL 保持一致, 至少每年修訂一次。

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bluesign® RSL bluesign® 限用物質清單 | v10.0 | September 15, 2019

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# Definitions 定義

## 1.1 Accessory 配件

A component of a consumer product which is not classified as a textile fabric (e.g. button, label, zipper, etc.). 消費品其中不歸類為紡織面料的組成部分（如：鈕扣、標籤、拉鍊等）

## 1.2 Article 製品

An object which during production is given a special shape, surface or design, which determines its function to a greater degree than does its chemical composition (fibers, textile fabrics, buttons, zippers, etc.).

通過生產被賦予特殊的形狀，外觀或設計，從而使其在原有的化學組成基礎上引申出更廣泛更豐富功能的一件物品(纖維、布料、鈕扣、拉鍊等)。

## 1.3 BSSL

bluesign® system substances list (BSSL) Consumer safety limits. A list that specifies consumer safety limits for chemical substances in articles. It also defines usage bans for chemical substances prohibited from the manufacturing of articles.

bluesign® system 物質清單-消費者安全限值。本清單列出製品中可含化學物質的消費者安全限值,以及訂定禁止用於生產製品的化學物質的使用限制。

## 1.4 CAS 化學品文摘號

CAS registry numbers are unique numerical identifiers for chemical elements, compounds, polymers, biological sequences, mixtures and alloys. Chemical Abstracts Service (CAS), a division of the American Chemical Society, assigns these identifiers to every chemical that has been described in the literature. The intention is to make database searches more convenient, as chemicals often have many names. Almost all molecule databases today allow searching by CAS number.

CAS 化學品文摘號是對化學元素、化合物、聚合物、生物學序列、混合物和合金的一種獨特的數位識別碼。化學文摘社(CAS)是美國化學學會的一個部門，負責為每一個在文獻中有描述的化學品編上識別碼。由於化學品通常都有很多不同名稱，該識別碼可以令資料庫搜索時更便捷。迄今為止，幾乎所有的分子式資料庫都可以透過 CAS 化學品文摘號進行搜索。

## 1.5 Chemical substance 化學物質

A chemical element and its compounds with constant composition and properties. It is defined by the CAS number.

一種化學元素及其化合物，具有特定的化學成分和屬性，可用 CAS 化學品文摘號識別。

## 1.6 Component 組成

A part of an article that can be distinguished according to the material composition, the functionality and/or the color and is easily, mechanically separated from the other components.

製品中可單獨拆分的一部分，可根據材料、功能和/或顏色區分，可以用簡易的物理方法自其它組成中區別開來的部分。

## 1.7 Detection limit (DL) 檢出極限

The detection limit is the lowest quantity of a substance that can be distinguished from the absence of that substance following a prescribed analytical method.

檢出極限，是指採用某一特定的分析方法能夠檢測出樣品中待測物質的最低量。

## 1.8 Limit value 限值

The maximum amount of chemical substances permitted in articles for the usage ranges A, B and C.

在使用類別 A、B 和 C 對應的消費用品裡化學物質的最大允許含量。

## 1.9 Mixture 混合物

A chemical product composed of two or more substances. It can be, for example, a colorant or an auxiliary.

由兩種或多種物質組成的化學產品，例如：著色劑或助劑。

### 1.10 Several 多個

Several means, that the whole substance group is restricted although not all substances that are restricted are explicitly listed. The listed examples represent only those substances, which should be considered if substance group is intended for testing.

多個表示該整個物質組別都被限用，但不是所有該物質組別內被限用的物質都會逐一列出。本清單中所列出的屬於該物質組別的限用物質，當該物質組別涉及到檢測時，屬於需要包含在檢測內的限用物質。

### 1.11 Traces 痕量

Although there is a ban for a chemical substance, residual amounts of this substance may be contained in a product from a non-intended source. In this case, a limit is defined to minimize these currently unavoidable traces.

禁用的化學物質出於未知來源會以極其小量濃度殘留在製品內。痕量即指對這些不可避免的殘留化學品制定的最小限值。

### 1.12 Usage ban 禁用

For several chemical substances or substance groups a usage ban is defined. For these substances or substance groups intentional use in manufacturing of articles is prohibited. That means that chemical products (e.g. colorants or textile auxiliaries) used for manufacturing of articles must not intentionally contain these substances or substance groups.

The aim of a usage ban is to avoid release of harmful substances to the environment and to avoid occurrence in the manufactured article by applying the precautionary principle.

某些化學物質或其同類被列為禁用，不得刻意用於製品生產。即生產過程中使用的化學物質(如著色劑，紡織助劑等)不得刻意含有這些被禁用物質或其同類。禁用的目的就是通過預防措施阻止有害物質排放到環境中和殘留在製品內。

### 1.13 Usage range 使用類別

Usage ranges classify consumer goods according to their consumer safety relevance.

Three usage ranges (A, B, C) are defined with A being the most stringent category concerning limit values/bans:

使用類別是依據消費者安全要求對消費用品進行分類。使用類別分三類(A,B,C)，其中A類有最為嚴格的限值及禁用要求：

- Usage Range A: Next to skin use and baby articles (0 to 3 years)  
使用類別 A: 緊貼皮膚類和嬰兒類(零至三歲)
- Usage Range B: Occasional skin contact  
使用類別 B: 偶爾接觸皮膚類
- Usage Range C: No skin contact  
使用類別 C: 不接觸皮膚類

## 2 Scope 適用範圍

The document specifies restrictions (limits and bans) for chemical substances in  
本物質清單對化學物質的限用規定(限值和禁用)適用於：

- articles made of textile and leather  
以紡織面料和皮革製成的製品
- accessories for textile and leather articles  
用於紡織製品和皮革製品的配件

### 2.1 Application 使用範圍

The limits and restrictions have to be applied for each individual component of an intermediate or finished article. A component is each part of an article that can be distinguished according to the material composition and/or functionality and/or color and is easily mechanically separated from other components.

半成品或成品的每個單一組成都必須符合限用規定。單一組成是指一件製品裡的不同部分，可根據材料類別、和/或功能、和/或顏色，可以簡單地以物理方法與其他組成區別開來的部分。

### 3 Testing methods 測試方法

The testing methods listed in the last column of the table in chapter 4 are the recommended ones. The testing methods column consists of two entries: sample preparation, e.g. extraction, digestion, derivatisation and the test method, i.e. the actual measurement.

Depending on their availability international or national standards are also given for several substances and these methods may be applied. Other accredited methods can only be applied if it can be verified that equivalent results are obtained.

第4章每張表格的最後一列所列的測試方法，均為推薦的測試方法，包含測試樣製備比如萃取，分解，衍生等，和儀器分析方法比如 GC-MS, LC-MS, HPLC 等。引用的儀器分析方法，部分是國際標準或國家標準。除此以外的分析方法，需事先驗證測試結果是否等同後方可採用。

Details of the respective sample preparation methods can be found in the table below:

測試樣品製備列表如下：

Sample preparation 測試樣品製備	Solvent(s) 溶劑	Temperature (°C) 溫度(°C)	Time (min) 時間 (分鐘)	Other requirements 其他要求
Extraction with KOH 氫氧化鉀萃取	Potassium Hydroxide (1M) 氫氧化鉀 (1M)	90	12-15 小時	Derivatisation with Acetic anhydride 醋酸酐衍生法
Extraction with MeOH 甲醇萃取	Methanol 甲醇	70	60	Ultrasonic bath 超聲波萃取
Extraction with THF 四氫呋喃萃取	Tetrahydrofuran 四氫呋喃	40	60	
Extraction with DCM 二氯甲烷萃取	Dichloromethane 二氯甲烷	40	60	Ultrasonic bath 超聲波萃取
Extraction with MTBE 甲基叔丁基醚萃取	Methyl tert-butyl ether 甲基叔丁基醚	60	60	Ultrasonic bath 超聲波萃取
Extraction with MeOH/Acetonitrile 甲醇/乙腈萃取	Methanol/Acetonitrile (1:1) 甲醇/乙腈(1:1)	70	30	Ultrasonic bath 超聲波萃取
Extraction with Hexane/Dichloroethane 己烷/二氯乙烷萃取	Hexane/Dichloroethane 己烷/二氯乙烷	70	60	
ASE - Accelerated Solvent Extraction 加即溶劑萃取	Acetone/Hexane (1:1) 丙酮/己烷(1:1)	100	-	
ASE - Accelerated Solvent Extraction 加即溶劑萃取	Ethyl acetate 乙酸乙酯	40	-	
Soxhlet Extraction 索氏萃取	Acetone/Hexane (1:1) 丙酮/己烷(1:1)	-	480	
Headspace 頂空進樣	-	120	45	
DIN EN ISO 105-E04 (2013)	Acidic sweat solution 酸性汗漬溶液	37	60	Textile to liquor ratio 1:50 浴比 1:50

For headspace measurements a purge & trap gas chromatography is recommended.

頂空進樣檢測，建議採用吹掃捕集氣相色譜法。

## 4 Restricted parameters and substances 限用參數和物質

PARAMETER 參數	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
pH 值	Non-leather products: 非皮革產品			ISO 3071 (2005)
	4.0-7.5			
	Leather products: 皮革產品			ISO 4045 (2008)
	3.5-7.5			
Odor 氣味	No unpleasant odor shall be emitted from the products 不應產生異味			SNV 195 651
<b>Color Fastness Properties</b> 牢度				
Color fastness to perspiration 汗漬牢度	Textiles dyed with disperse or metal complex dyes: at least 3 – 4, the goal is > 4 用分散或金屬絡合染料染色的紡織品至少 3-4，目標>4			ISO 105-E04 (2013)
Color fastness to saliva and perspiration 唾液及汗漬牢度	Fast 牢度 (corresponds to level 5 of 5-step grey scale described in ISO 105-A02 (1993) 參考在 ISO105-A02 (1993) 的 5 階段灰度級距牢度測試			§64 LFGB BVL B 82.10-1 in combination with DIN 53160-1 and -2 (2010)  §64 LFGB BVL B 82.10-1 結合 DIN 53160-1 及-2 (2010)

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SUBSTANCE 物質	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Aldehydes 醛類</b>				
Formaldehyde (CAS 50-00-0) 甲醛	DL (15)	75	300	Textile 紡織品: ISO 14184-1 (2011)  Leather 皮革: ISO 17226-1 (2008) or 或 ISO 17226-2 (2008)
<b>Alkylphenols (APs) and Alkylphenoethoxylates (APEOs)</b> listed in Appendix A 烷基酚(APs)和烷基酚聚氧乙烯醚 (APEOs) 詳見附錄A	<b>Usage ban 禁用</b> 10 for each Alkylphenol 10 每單個烷基酚  100 for each Alkylphenoethoxylate 100 每單個烷基酚聚氧乙烯醚			Textile 紡織品: ISO 18254-1 (2016)  Leather 皮革: ISO 18218-1 (2015)
<b>Amines 胺類</b>				
Aniline (free) (CAS 62-53-3) 遊離苯胺	Usage ban // DL: 30 禁用//檢出極限: 30			Extraction with MeOH // LC-MS 甲醇萃取// LC-MS
<b>Arylamines</b> (including corresponding salts; as substance for example in PU, and as decomposition product of azo colorants which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines) listed in Appendix B  <b>芳香胺及其鹽</b> (諸如聚氨酯和偶氮染料中某些成分會通過還原裂解釋放出芳香胺) 詳見附錄B	<b>Usage ban</b> DL: 20  <b>禁用</b> 檢出極限: 20			Textile 紡織品: EN ISO 14362-1 (2017) EN ISO 14362-3 (2017) (for azo colorants which may release 4-Aminoazobenzene) (會釋放對氨基偶氮苯的著色劑)  Leather 皮革: EN ISO 17234-1 (2015) EN ISO 17234-2 (2011) (for azo colorants which may release 4-Aminoazobenzene) (會釋放對氨基偶氮苯的著色劑)

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SUBSTANCE 物質	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Asbestos 石棉</b> listed in Appendix C 詳見附錄 C	<b>Usage ban not detected</b> 禁用 未檢出			REM/EDX BGI 505-46 or U.S. EPA/600/R-93/116
<b>Chlorinated Benzenes and Toluenes 氯代苯和氯代甲苯</b> listed in Appendix D 詳見附錄D	<b>Usage ban</b> DL: 1.0  Sum of all: 5.0			DIN 54232 (2010)

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SUBSTANCE 物質	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Chlorinated Phenols 氯代苯酚</b> listed in Appendix E 詳見附錄E	<b>Usage ban 禁用</b>			Extraction with KOH // § 64 LFGB B 82.02-8 (2001) or DIN EN ISO 17070 (2015)  氫氧化鉀萃取// § 64 LFGB B 82.02-8 (2001) 或 DIN EN ISO 17070 (2015)
Monochlorophenols (MonoCP), all isomers (CAS 25167-80-0) 一氯苯酚, 及其異構體	Sum of all Mono- and DiCPs: 所有單氯苯酚和二氯苯酚 總和:			
Dichlorophenols (DiCP), all isomers (CAS 25167-81-1) 二氯苯酚, 及其異構體	1.0	1.0	1.0	
Trichlorophenols (TriCP), all isomers (CAS 25167-82-2) 三氯苯酚, 及其異構體	Sum of each group of TriCPs, TeCPs, PCPs: 所有各別三氯苯酚、四氯苯酚、五氯苯酚總和:			
Tetrachlorophenols (TeCP), salts and compounds (CAS 25167-83-3) 四氯苯酚, 及其鹽和化合物	0.05	0.5	0.5	
Pentachlorophenol (PCP), salts, esters and compounds (CAS 87-86-5) 五氯苯酚, 及其鹽和化合物				
<b>Colorants 著色劑</b>	<b>Usage ban 禁用</b>			
Colorants with carcinogenic potential listed in Appendix F 可致癌著色劑 詳見附錄 F	DL: 20			DIN 54231
Colorants with allergenic potential listed in Appendix G 可致敏著色劑 詳見附錄 G	DL: 20			
Colorants banned for other reasons listed in Appendix H 其他禁用著色劑 詳見附錄 H	DL: 20			

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SUBSTANCE 物質	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Dioxins and Furans 戴奧辛及呋喃</b> listed in Appendix I 詳見附錄 I	<b>Usage ban 禁用</b>			EPA 8290A
Group 1 組別 1	Sum of group 1 組別 1 總和: 1.0 [µg/kg]			
Group 2 組別 2	Sum of group 1 and 2 組別 1 及 2 總和: 5.0 [µg/kg]			
Group 3 組別 3	Sum of group 1, 2 and 3: 組別 1,2 及 3 總和: 100 [µg/kg]			
Group 4 組別 4	Sum of group 4: 組別 4 總和: 1.0 [µg/kg]			
Group 5 組別 5	Sum of group 4 and 5: 組別 4 及 5 總和: 5.0 [µg/kg]			
<b>Flame retardants 阻燃劑</b> listed in Appendix J 詳見附錄 J	<b>Usage ban 禁用</b> 檢出極限 DL: 5.0 Chlorinated paraffins in leather 皮革中的氯化石蠟: <b>Usage ban 禁用</b> Traces 痕量: 100			ISO 17881-1 (2016) for brominated flame retardants 含溴阻燃劑 ISO 17881-2 (2016) for phosphorus flame retardants 含磷阻燃劑
<b>Fluorinated Greenhouse Gases 含氟溫室氣體</b> listed in Appendix K 詳見附錄 K	<b>Usage ban 禁用</b> 檢出極限 DL: 0.1			Headspace GC-MS 頂空進樣 GC-MS

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	A	B	C	
<b>Fluorinated Substances 氟化物</b>				
Perfluorooctane sulfonic acid / Perfluorooctane sulfonate (PFOS)* (CAS 1763-23-1) 全氟辛烷磺酸/全氟辛烷磺酸鹽	<b>Usage ban 禁用</b> 1.0 [µg/m <sup>2</sup> ]			CEN/TS 15968 (2014)
Perfluorocarboxylic acid and salts 全氟羧酸及其鹽	<b>Usage ban 禁用</b>			
PFHxA (CAS 307-24-4) 全氟己酸	0.05			CEN/TS 15968 (2014)
PFOA** (CAS 335-67-1) 全氟辛酸	<b>Usage ban 禁用</b> Traces 痕量: 25 [µg/kg]			
PFOA-related substances <b>PFOA-相關物質</b>	<b>Several 多個</b>			
Heptadecafluoro-1-iodooctane** (CAS 507-63-1) 十七氟-1-碘辛烷**	<b>Usage ban 禁用 //</b> Traces 痕量: 1000 [µg/kg] (for the sum of PFOA-related substances 所有 PFOA-相關物質 總和)			CEN/TS 15968 (2014)
1H,1H,2H,2H-Perfluorodecyl iodide** (CAS 2043-53-0) 1H,1H,2H,2H-全氟癸醇碘癸烷**				
8:2 FTOH, Perfluorooctylethanol** (CAS 678-39-7) 1H,1H,2H,2H-全氟癸醇**				Extraction with MTBE // GC-MS 甲基叔丁基醚萃取// GC-MS
Perfluorooctylethene** (CAS 21652-58-4) 全氟己基乙烯**				ASE with Ethyl acetate // GC-MS or LC-MS 乙酸乙酯加即溶劑萃取//GC-MS 或 LC-MS
Perfluorooctylethyl acrylate or methacrylate** 全氟辛醇(甲基)丙烯酸酯**				Extraction with MTBE // GC-MS 甲基叔丁基醚萃取// GC-MS

\*Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher).  
禁止用於 C6 及以上電解氟化產品生產的長鏈化合物

\*\*Phase-out of long-chain compounds in manufacturing based on long-chain telomer chemistry (C8 and higher) until end of 2014.

2014 年底需淘汰的用於 C8 及以上調聚物產品生產的長鏈化合物

SUBSTANCE 物質	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Glycols 乙二醇類</b>				
Bis(2-methoxyethyl)-ether (CAS 111-96-6) 雙(2-甲氧乙基)-醚	<b>Usage ban 禁用</b> 檢出極限 DL:5.0			Textile 紡織品: Extraction with MeOH // GC-MS 甲醇萃取// GC-MS  Plastic 塑製品: 2-Step extraction with THF and MeOH // GC-MS 四氫呋喃和甲醇兩步萃取法// GC-MS
2-Ethoxyethanol (CAS 110-80-5) 2-丁氧基乙醇				
2-Ethoxyethyl acetate (CAS 111-15-9) 乙二醇單乙醚				
Ethylene glycol dimethyl ether (CAS 110-71-4) 乙二醇二甲醚				
2-Methoxyethanol (CAS 109-86-4) 2-甲氧基乙醇				
2-Methoxyethylacetate (CAS 110-49-6) 乙酸甲氧乙酯				
2-Methoxy-1-propanol (CAS 1589-47-5) 2-丙二醇單甲醚				
2-Methoxypropylacetate (CAS 70657-70-4) 2-丙二醇單甲醚醋酸酯				
Triethylene glycol dimethyl ether (CAS 112-49-2) 三乙二醇二甲醚				
<b>Halogenated Biphenyls, halogenated Terphenyls, halogenated Naphthalenes</b> 鹵代聯苯, 鹵代三聯苯和鹵代萘 listed in Appendix L 詳見附錄 L	<b>Usage ban 禁用</b> 檢出極限 DL: 1.0			ISO 17881-1 (2016)
	檢出極限 DL: 5.0 (PBBs多溴聯苯)			
<b>Halogenated Diarylalkanes</b> 鹵代雙環烷類 listed in Appendix M 詳見附錄 M	<b>Usage ban 禁用</b> 檢出極限 DL: 1.0			Extraction following IEC 62321-6 (2015) // GC-MS 按照IEC 62321-6 (2015)萃取 // GC-MS
<b>Isocyanates 異氰酸酯</b> listed in Appendix N 詳見附錄 N	Free content Sum of all 所有的異氰酸酯總和: 1.0			EN 13130-8 (2004)

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HEAVY METALS 重金屬 (EXTRACTABLE CONTENT 萃取含量)				
METAL 金屬	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
Antimony (Sb) 銻 (CAS 7440-36-0)	Textiles and leather 紡織品及皮革			Textiles 紡織品: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液) Leather 皮革: ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)
	5	10	10	
	Metal parts and non-metal parts other than textiles and leather 金屬/非金屬部分(紡織品/皮革外)			EN 71-3 (2013) (acidic solution simulating gastric juices 仿胃液的酸性溶液) // ISO 17294-2 (2016) or DIN EN ISO 11885 (2009)
60				
Arsenic (As) 砷 (CAS 7440-38-2)	<b>Usage ban 禁用</b> Traces 痕量: 0.2			Textiles and others 紡織品和其他: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液)  Leather 皮革: ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)
Cadmium (Cd) 鎘 (CAS 7440-43-9)	<b>Usage ban 禁用</b>			
	Non-metal parts (textiles, leather and others) 非金屬 (紡織品, 皮革和其他) Traces 痕量: 0.1			Textiles and others 紡織品和其他: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液) Leather 皮革: ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)

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METAL 金屬	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
Chromium (Cr) 鉻 (CAS 7440-47-3)	Textiles 紡織品			DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液)
	0.5			
	For textiles dyed with chromium containing metal complex dyes: 絡合染料染色的紡織品:			
	1.0	2.0	2.0	EN 71-3 (2013) (acidic solution simulating gastric juices 仿胃液的酸性溶液) // ISO 17294-2 (2016) or 或 DIN EN ISO 11885 (2009)
	Non-metal parts other than textiles and leather: 非金屬部分(紡織品/皮革除外): 60			
If products are covered with a metal layer, including a chromium layer, coating must be constantly in good condition 如產品使用含鉻在內的金屬層,則塗層必須在良好條件下完成				
Leather 皮革: no regulation 不限			-	
Chromium (VI) 鉻(VI) (CAS 18540-29-9)	<b>Usage ban 禁用</b>			
	Metal parts and non-metal parts others than leather 金屬/非金屬部分(皮革除外):			EN ISO 17075-1 or 或-2 (2017)
	檢出極限 DL: 0.5			
	Leather 皮革:			DIN EN ISO 4044 (2017) // EN ISO 17075-1 (2017-) or 或 EN ISO 17075-2 (2017-05)
檢出極限 DL: 3.0				
Cobalt (Co) 鈷 (CAS 7440-48-4)	Textiles and leather 紡織品和皮革:			Textiles and others 紡織品和其他: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液)
	1.0			
	For textiles and leather dyed with cobalt containing metal complex dyes 鈷錯合染料染色的紡織品和皮革			
	1.0	4.0	4.0	Leather 皮革: ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)
	Metal parts and non-metal parts others than textiles and leather: 金屬和非金屬部分(紡織品/皮革除外)			
1.0	4.0	4.0		

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METAL 金屬	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
Copper (Cu) 銅 (CAS 7440-50-8)	For textiles and leather (including metal complex dyed materials) 紡織品/皮革 (包含金屬絡合染料染色的紡織品):			Textiles and others: DIN EN 16711-2 (2016) (acidic sweat solution) Leather: ISO 17072-1 (2011) (acidic sweat solution)
	25	50	50	
	Non-metal parts others than textiles and leather: 非金屬部分(紡織品和皮革除外): No regulation 不限			-
Lead (Pb) 鉛 (CAS 7439-92-1)	<b>Usage ban 禁用</b>			
	Textiles, plastics and leather Traces: 紡織品, 塑製品和皮革 痕量:			Textiles and others 紡織品和其 他: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液) Leather 皮革: ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)
0.2	1.0	1.0		
Mercury (Hg) 汞 (CAS 7439-97-6)	<b>Usage ban 禁用</b>			
	Non-metal parts 非金屬部分			Textiles and others 紡織品和其 他: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液) Leather 皮革:ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)
	Traces 痕量: 0.02			
	Metal parts 金屬部分:			EN 71-3 (2013) (acidic solution simulating gastric juices 仿胃液 酸性溶液) // ISO 12846 (2012)
Traces 痕量: 60				
Nickel (Ni) 鎳 (CAS 7440-02-0)	Textiles and leather 紡織品和皮革:			Textiles and others 紡織品和其 他: DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液) Leather 皮革: ISO 17072-1 (2011) (acidic sweat solution 酸性汗液)
	1.0			
	For textiles and leather dyed with nickel containing metal complex dyes: 含鎳絡合染料染色的紡織品和皮革:			
	1.0	4.0	4.0	
	Metal parts and non-metal parts others than textiles and leather: 金屬和非金屬 (非紡織品) <b>Usage ban for A and B A類及B類禁用 0.5 [µg/cm<sup>2</sup>/week]</b>			Release EN 12472 (2005)+A1(2009) // EN 1811 (2011)+A1(2015)

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<b>HEAVY METALS 重金屬 (TOTAL CONTENT 總含量)</b>				
<b>METAL 金屬</b>	<b>LIMIT 限值[mg/kg]</b>			<b>RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法</b>
	<b>A</b>	<b>B</b>	<b>C</b>	
Total Cadmium (Cd) 總鎘	<b>Usage ban 禁用</b>			
	Non-metal parts (textiles, leather and others) 非金屬部分 (紡織品, 皮革和其他)			Textiles and others 紡織品和其他: DIN EN 16711-1 (2016) (total content 總含量) Leather 皮革: ISO 17072-2 (2011) (total content 總含量)
	Traces 痕量: 40			
	Metal parts 金屬部分			DIN EN 16711-1 (2016) (total content 總含量)
	Traces 痕量: 40			
	<b>Usage ban 禁用</b>			
Total Lead (Pb) 總鉛	Textiles, plastics and leather 紡織品, 塑製品和皮革			Textiles and others 紡織品和其他: DIN EN 16711-1 (2016) (total content 總含量) Leather 皮革: ISO 17072-2 (2011) (total content 總含量)
	Traces 痕量: 40			
	Metal parts 金屬部分			DIN EN 16711-1 (2016) (total content 總含量)
	Traces 痕量: 90			

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SUBSTANCE 物質	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Monomers 單體</b>				
Acrylamide (CAS 79-06-1) 丙烯醯胺	<b>Usage ban 禁用</b> 1.0			Textile 紡織品: Extraction with MeOH // LC-MS 甲醇萃取 // HPLC Plastic 塑製品: 2-Step extraction with THF and MeOH // LC-MS 四氫呋喃和甲醇兩步萃取法// LC-MS
<b>Other Chemical Substances 其他化學物質</b>				
Acetophenone (CAS 98-86-2) 乙酮	20			Extraction with MeOH// GC-MS 甲醇萃取//LC-MS
Bisphenol A (CAS 80-05-7) 雙酚A	<b>Usage ban for textile finishing</b> 禁用於紡織品後處理 檢出極限 DL: 1.0 配件 Accessories: 50			Extraction with MeOH // ISO 18857-2 (2009) 甲醇萃取// ISO 18857-2 (2009)
Cresol, all isomers 甲酚及其異構體 (CAS 1319-77-3)	<b>Usage ban 禁用</b> 檢出極限 DL:10			Extraction with KOH // § 64 LFGB B 82.02-8 (2001) or DIN EN ISO 17070 (2015)  氫氧化鉀萃取// § 64 LFGB B 82.02-8 (2001) 或 DIN EN ISO 17070 (2015)
m-Cresol (CAS 108-39-4) 間甲酚				
o-Cresol (CAS 95-48-7) 鄰甲酚				
p-Cresol (CAS 106-44-5) 對甲酚				
Dimethylfumarate (CAS 624-49-7) 二甲基富馬酸	<b>Usage ban 禁用</b> 檢出極限 DL: 0.1			ISO/TS 16186 (2012) // GC-MS
Formamide (CAS 75-12-7) 甲醯胺	<b>Usage ban 禁用</b>			Extraction with MeOH* // GC-MS 甲醇萃取*//GC-MS *Cut the samples into small pieces (2x2mm) *測試樣製備: 剪成2x2mm
Isoquinoline (CAS 119-65-3) 異喹啉	Usage ban 禁用 // 痕量Traces: 50 Valid from July 2021 自2021年7月生效			Extraction with MeOH or THF // LC-MS/MS or LC-DAD 甲醇或四氫呋喃萃取// LC-MS/MS 或LC-DAD

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SUBSTANCE 物質	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
o-Phenylphenol (CAS 90-43-7) 鄰苯基苯酚	For textiles 紡織品:			Extraction with KOH 氫氧化鉀 萃取 // § 64 LFGB B 82.02-8 (2001) or DIN EN ISO 17070 (2015)
	50	50	50	
	For leather 皮革:			ISO 13365 (2011)
	50	100	200	
Phenol (CAS 108-95-2) 苯酚	10	50	100	Extraction with MeOH // GC-MS or LC-MS 甲醇萃取//GC-MS或LC-MS
2-Phenyl-2-propanol (CAS 617-94-7) 2-苯基異丙醇	1.0	10	10	Extraction with MeOH // GC-MS 甲醇萃取//GC-MS或LC-MS
Quinoline (CAS 91-22-5) 喹啉	50			Extraction with Methanol or THF // LC-MS/MS or LC-DAD 甲醇或四氫呋喃萃取 // LC-MS/MS 或 LC-DAD
<b>Ozone Depleting Substances</b> 臭氧消耗物質 listed in Appendix O 詳見附錄 O	<b>Usage ban 禁用</b> for direct use in manufacturing of articles 禁止直接使用於生產 檢出極限 DL: 0.1			Headspace GC-MS 頂空進樣 GC-MS
<b>Pesticides</b> 杀虫剂 listed in Appendix P 詳見附錄 P	<b>Usage ban 禁用</b> 0.5 applies to sum of pesticides 各殺蟲劑總和 不得超過 0.5 mg/kg			ASE or Soxhlet Extraction with Acetone/Hexane // GC-MS or LC-MC 用丙酮/己烷加速萃取或索氏萃取// GC-MS 或 LC-MC
<b>Plasticizers</b> 塑化剂 listed in Appendix Q 詳見附錄 Q	<b>Usage ban 禁用</b> 50			ISO 14389 (2014)
<b>Polyaromatic Hydrocarbons</b> 多環芳香烴 (PAHs) Listed in Appendix R 詳見附錄 R	<b>Usage ban 禁用</b>			EPA 8310 EPA 8270D EPA 8275A  AfPS GS 2014:01
	Sum of all PAHs 所有 PAHs 總和: 10			
	Benzo(a)pyrene 苯并(a)芘: 0.2			
	PAHs marked with (*) 標有 (*) 的 PAHs:			
	0.5	1.0	1.0	

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SUBSTANCE 物質	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Polymers 高分子聚合物</b>				
Polyvinyl chloride (PVC) 聚氯乙炔 (CAS 9002-86-2)	<b>Usage ban for A and B</b> A 類和 B 類禁用 Not detected 不得檢出			Beilstein test* // FTIR 貝爾斯登試驗* // FTIR  *FTIR measurement only if result of Beilstein test was positive *如貝爾斯登試驗顯陽性, 進行 FTIR 檢測
<b>Solvents 溶劑</b>				
Benzene (CAS 71-43-2) 苯	<b>Usage ban 禁用</b> 檢出極限 DL: 5.0			VDA 278 (2011)
1,2-Dichloroethane (CAS 107-06-2) 1,2-二氯乙烷	<b>Usage ban 禁用</b> 檢出極限 DL: 1.0			Headspace GC-MS 頂空進樣GC-MS
Dichloromethane (CAS 75-09-2) 二氯甲烷	<b>Usage ban 禁用</b> 檢出極限 DL: 5.0			Headspace GC-MS 頂空進樣GC-MS
N-Ethyl-2-pyrrolidone (NEP) N-乙基-2-吡咯烷酮 (CAS 2687-91-4)	<b>Usage ban 禁用</b> Traces 痕量:			CEN ISO/TS 16189 (2013)
	10	10	100	
N-Methylpyrrolidone (NMP) N-甲基吡咯烷酮 (CAS 872-50-4)	<b>Usage ban 禁用</b> 痕量 Traces:			CEN ISO/TS 16189 (2013)
	10	10	100	
N,N-Dimethylacetamide (DMAc) 二甲基乙醯胺 (CAS 127-19-5)	<b>Usage ban with exception of fiber manufacturing</b> 除纖維生產外禁用 檢出極限 DL: 5.0			CEN ISO/TS 16189 (2013)
	Limits for fiber manufacturing (residual fiber solvent) 纖維上殘留限值:			
	10	50	50	

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SUBSTANCE 物質	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
N,N-Dimethylformamide (DMF) 二甲基甲醯胺 (CAS 68-12-2)	<b>Usage ban with exception of solvent coating, laminating, fiber manufacturing</b> 除溶劑塗層、貼合和纖維生產外禁用 檢出極限 DL: 5.0			CEN ISO/TS 16189 (2013)
	For solvent coating, laminating, fiber manufacturing 溶劑塗層、貼合和纖維生產:			
	50			
Tetrachloroethylene (Perchloroethylene) 四氯乙烯 (CAS 127-18-4)	<b>Usage ban 禁用</b> 檢出極限 DL: 1.0			Headspace GC-MS 頂空進樣 GC-MS
Toluene 甲苯 (CAS 108-88-3)	10	50	50	Headspace GC-MS 頂空進樣 GC-MS
Trichloroethylene (CAS 79-01-6) 三氯乙烯	<b>Usage ban 禁用</b> 檢出極限 DL: 5.0			Headspace GC-MS 頂空進樣 GC-MS
Xylene, all isomers 二甲苯及異構體 (CAS 1330-20-7)	<b>Usage ban in textile finishing</b> 禁用於紡織品後整理 檢出極限 DL: 1.0			Headspace GC-MS 頂空進樣 GC-MS
m-Xylene (CAS 108-38-3) 間二甲苯	Non-textile articles 非紡織品 Traces 痕量: 1.0			
o-Xylene (CAS 95-47-6) 鄰二甲苯				
p-Xylene (CAS 106-42-3) 對二甲苯				

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SUBSTANCE 物質	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>Tin organic compounds</b> 有機錫化合物	<b>Usage ban 禁用</b>			ISO/TS 16179 (2012)
Monomethyltin compounds (MMT) 单甲基锡化合物	2.0			
Monobutyltin compounds (MBT) 单丁基锡化合物	1.0			
Monophenyltin compounds (MPhT) 单苯锡化合物	1.0			
Monooctyltin compounds (MOT) 单辛基锡化合物	2.0			
Dimethyltin compounds (DMT) 二甲基锡化合物	檢出極限 DL:0.5			
Dipropyltin compounds (DPT) 二丙基锡化合物	1.0			
Dibutyltin compounds (DBT) 二丁基锡化合物	1.0			
Diphenyltin compounds (DPhT) 二苯锡化合物	2.0			
Diocetyl tin compounds (DOT) 二辛基锡化合物	1.0			
Trimethyltin compounds (TMT) 三甲基锡化合物	檢出極限 DL:0.5			
Tripropyltin compounds (TPT) 三丙基锡化合物	檢出極限 DL:0.5			
Tributyltin compounds (TBT) 三丁基锡化合物	檢出極限 DL:0.5			
Triphenyltin compounds (TPhT) 三苯基锡化合物	檢出極限 DL:0.5			
Trioctyltin compounds (TOT) 三辛基锡化合物	檢出極限 DL:0.5			
Tetraethyltin compounds (TeET) 四乙基锡化合物	1.0			
Tetrabutyltin compounds (TeBT) 四丁基锡化合物	檢出極限 DL:0.5			
Tetraoctyltin compounds (TeOT) 四正辛基锡化合物	檢出極限 DL:0.5			
Tricyclohexyltin compounds (TCyHT) 三环己基锡化合物	檢出極限 DL:0.5			

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SUBSTANCE 物質	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推薦樣品製備//測試方法
	A	B	C	
<b>UV stabilizers 紫外線穩定劑</b>	<b>Usage ban 禁用</b>			
UV-320 2-benzotriazol-2-yl-4,6-di-tert-butylphenol 紫外线吸收剂 UV-320 2-(2'-羟基-3',5'-二叔丁基苯基)-苯并三唑	Traces 痕量: 1000			Extraction with Hexane/Dichloroethane // GC-MS  正己烷/二氯乙烷萃取//GC-MS
UV-327 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol 紫外线吸收剂 UV-327 2-(2'-羟基-3',5'-二叔丁基苯基)-5-氯苯并三唑;				
UV-328 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol 紫外线吸收剂 UV-328 2-(2'-羟基-3',5'-二叔戊基苯基)苯并三唑				
UV-350 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol 紫外线吸收剂 UV-350 2-(2'-羟基-3'-仲丁基-5'-叔丁基苯基)苯并三唑				

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# Appendices 附錄

<b>Appendix A: Alkylphenols and Alkylphenoethoxylates</b>	<b>CAS – No.</b>
附錄 A: 烷基酚和烷基酚聚氧乙烯醚	
Nonylphenol (NP) 壬基酚	Several 多個
Octylphenol (OP) 辛基酚	Several 多個
Nonylphenoethoxylate (EO) <sub>3-20</sub> 乙氧基壬基酚 (EO) <sub>3-20</sub>	Several 多個
Octylphenoethoxylate (EO) <sub>3-20</sub> 乙氧基辛基酚 (EO) <sub>3-20</sub>	Several 多個

<b>Appendix B: Arylamines (and corresponding salts)</b>	<b>CAS – No.</b>
附錄 B: 芳香胺及其鹽	
p-Aminoazobenzene 對氨基偶氮苯	60-09-3
o-Aminoazotoluene 鄰氨基偶氮甲苯	97-56-3
4-Aminobiphenyl 4-氨基聯苯	92-67-1
2-Amino-4-nitrotoluene 2-氨基-4-硝基甲苯	99-55-8
2-Anisidine 鄰氨基苯甲醚	90-04-0
Benzidine 聯苯胺	92-87-5
4-Chloroaniline 4-氯苯胺	106-47-8
4-Chlor-2-toluidine 4-氯-2-甲苯胺	95-69-2
4-Chloro-o-toluidinium chloride 4-氯鄰甲苯胺鹽酸鹽	3165-93-3
p-Cresidine 對甲酚啶	120-71-8
2,4-Diaminoanisole 2,4-二氨基苯甲醚	615-05-4
4,4'-Diaminodiphenylmethane 4,4'-二氨基二苯甲烷	101-77-9
2,4-Diaminotoluene 2,4-二氨基甲苯	95-80-7
3,3'-Dichlorobenzidine 3,3'-二氯聯苯胺	91-94-1
3,3'-Dimethoxybenzidine 3,3'-二甲氧基聯苯胺	119-90-4
3,3'-Dimethylbenzidine 3,3'-二甲基聯苯胺	119-93-7
3,3'-Dimethyl-4,4'-diaminodiphenylmethane 3,3'-二甲基-4,4'-二氨基二苯甲烷	838-88-0
4-Methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate 2,4-二氨基苯甲醚磺酸鹽	39156-41-7
4,4'-Methylenebis-(2-chloroaniline) 4,4'-亞甲雙(2-氯苯胺)	101-14-4
2-Naphthylamine 2-萘胺	91-59-8
2-Naphthylammoniumacetate 2-萘基醋酸銨	553-00-4
4,4'-Oxydianiline 4,4'-二氨基二苯醚	101-80-4
4,4'-Thiodianiline 4,4'-二氨基二苯硫醚	139-65-1
o-Toluidine 鄰甲苯胺	95-53-4
2,4,5-Trimethylaniline 2,4,5-三甲基苯胺	137-17-7
2,4,5-Trimethylaniline hydrochloride 2,4,5-三甲基苯胺鹽酸鹽	21436-97-5
2,4-Xylidine 2,4-二甲基苯胺	95-68-1
2,6-Xylidine 2,6-二甲基苯胺	87-62-7

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<b>Appendix C: Asbestos 石棉</b>	<b>CAS – No.</b>
Actinolite 陽起石	77536-66-4
Amosite 鐵石棉	12172-73-5
Anthophyllite 直閃石	77536-67-5
Chrysotile 溫石棉	12001-29-5
Crocidolite 青石棉	12001-28-4
Tremolite 透閃石	77536-68-6

<b>Appendix D: Chlorinated Benzenes and Toluenes</b>	<b>CAS – No.</b>
附錄 D: 氯代苯和氯代甲苯類	
Monochlorobenzene 一氯苯	108-90-7
Dichlorobenzenes, all isomers 二氯苯,及其異構體	Several 多個
1,2-Dichlorobenzene 1,2-二氯苯	95-50-1
1,3-Dichlorobenzene 1,3-二氯苯	541-73-1
1,4-Dichlorobenzene 1,4-二氯苯	106-46-7
Trichlorobenzenes, all isomers 三氯苯,及其異構體	Several 多個
1,2,3-Trichlorobenzene 1,2,3-三氯苯	87-61-6
1,2,4-Trichlorobenzene 1,2,4-三氯苯	120-82-1
1,3,5-Trichlorobenzene 1,2,5-三氯苯	108-70-3
Tetrachlorobenzenes, all isomers 四氯苯,及其異構體	Several 多個
1,2,3,4-Tetrachlorobenzene 1,2,3,4-四氯苯	634-66-2
1,2,3,5-Tetrachlorobenzene 1,2,3,5-四氯苯	634-90-2
1,2,4,5-Tetrachlorobenzene 1,2,4,5-四氯苯	95-94-3
Pentachlorobenzene 五氯苯	608-93-5
Hexachlorobenzene 六氯苯	118-74-1
Monochlorotoluenes, all isomers 一氯甲苯,及其異構體	Several 多個
2-Chlorotoluene 2-氯甲苯	95-49-8
3-Chlorotoluene 3-氯甲苯	108-41-8
4-Chlorotoluene 4-氯甲苯	106-43-4
a-Chlorotoluene a-氯甲苯	100-44-7
Dichlorotoluenes, all isomers 二氯甲苯,及其異構體	Several 多個
2,3-Dichlorotoluene 2,3-二氯甲苯	32768-54-0
2,4-Dichlorotoluene 2,4-二氯甲苯	95-73-8
2,5-Dichlorotoluene 2,5-二氯甲苯	19398-61-9
2,6-Dichlorotoluene 2,6-二氯甲苯	118-69-4
3,4-Dichlorotoluene 3,4-二氯甲苯	95-75-0
3,5-Dichlorotoluene 3,5-二氯甲苯	25186-47-4
Trichlorotoluenes, all isomers 三氯甲苯,及其異構體	Several 多個
2,3,4-Trichlorotoluene 2,3,4-三氯甲苯	7359-72-0
2,3,6-Trichlorotoluene 2,3,6-三氯甲苯	2077-46-5
2,4,5-Trichlorotoluene 2,4,5-三氯甲苯	6639-30-1
2,4,6-Trichlorotoluene 2,4,6-三氯甲苯	23749-65-7
3,4,5-Trichlorotoluene 3,4,5-三氯甲苯	21472-86-6

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<b>Appendix D: Chlorinated Benzenes and Toluenes</b> 附錄 D: 氯代苯和氯代甲苯類	<b>CAS – No.</b>
a,a,a-Trichlorotoluene a,a,a-三氯甲苯	98-07-7
Tetrachlorotoluenes, all isomers 四氯甲苯,及其異構體	Several 多個
2,3,4,5-Tetrachlorotoluene 2,3,4,5-四氯甲苯	76057-12-0
2,3,5,6-Tetrachlorotoluene 2,3,5,6-四氯甲苯	29733-70-8
2,3,4,6-Tetrachlorotoluene 2,3,4,6-四氯甲苯	875-40-1
a,a,a,4-Tetrachlorotoluene a,a,a,4-四氯甲苯	5216-25-1
Pentachlorotoluene 五氯甲苯	877-11-2
Chlorotoluene, unspecific mixture 氯甲苯, 不特定混合物	25168-05-2

<b>Appendix E: Chlorinated Phenols</b> 附錄 E: 氯代苯酚	<b>CAS – No.</b>
<b>Monochlorophenols 一氯苯酚</b>	25167-80-0
2-Chlorophenol 2-氯苯酚	95-57-8
3-Chlorophenol 3-氯苯酚	108-43-0
4-Chlorophenol 4-氯苯酚	106-48-9
<b>Dichlorophenols 二氯苯酚</b>	25167-81-1
2,3-Dichlorophenol 2,3-二氯苯酚	576-24-9
2,4-Dichlorophenol 2,4-二氯苯酚	120-83-2
2,5-Dichlorophenol 2,5-二氯苯酚	583-78-8
2,6-Dichlorophenol 2,6-二氯苯酚	87-65-0
3,4-Dichlorophenol 3,4-二氯苯酚	95-77-2
3,5-Dichlorophenol 3,5-二氯苯酚	591-35-5
<b>Trichlorophenols 三氯苯酚</b>	25167-82-2
2,3,4-Trichlorophenol 2,3,4-三氯苯酚	15950-66-0
2,3,5-Trichlorophenol 2,3,5-三氯苯酚	933-78-8
2,3,6-Trichlorophenol 2,3,6-三氯苯酚	933-75-5
2,4,5-Trichlorophenol 2,4,5-三氯苯酚	95-95-4
2,4,6-Trichlorophenol 2,4,6-三氯苯酚	88-06-2
3,4,5-Trichlorophenol 3,4,5-三氯苯酚	609-19-8
<b>Tetrachlorophenols 四氯苯酚</b>	25167-83-3
2,3,4,5-Tetrachlorophenol 2,3,4,5-四氯苯酚	4901-51-3
2,3,4,6-Tetrachlorophenol 2,3,4,6-四氯苯酚	58-90-2
2,3,5,6-Tetrachlorophenol 2,3,5,6-四氯苯酚	935-95-5
<b>Pentachlorophenols 五氯苯酚</b>	87-86-5

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<b>Appendix F: Colorants with carcinogenic potential</b> 附錄 F: 可致癌著色劑	<b>CAS – No.</b>
Acid Red 26 酸性紅 26	3761-53-3
Acid Red 114 酸性紅 114	6459-94-5
<b>Basic Green 4 鹼性綠 4</b>	<b>Several 多個</b>
Malachit green 孔雀石綠	10309-95-2
Malachit green chloride 孔雀石綠鹽酸物	569-64-2
Malachit green oxalate 孔雀石綠草酸鹽	2437-29-8
Basic Red 9 鹼性紅 9	569-61-9
Basic Violet 14 鹼性紫 14	632-99-5
Direct Black 38 直接黑 38	1937-37-7
Direct Blue 6 直接藍 6	2602-46-2
Direct Blue 15 直接藍 15	2429-74-5
Direct Brown 95 直接棕 95	16071-86-6
Direct Red 28 直接紅 28	573-58-0
Disperse Blue 1 分散藍 1	2475-45-8
Disperse Orange 11 分散橙 11	82-28-0
Disperse Yellow 3 分散黃 3	2832-40-8
Pigment Black 25 顏料黑 25	68186-89-0
Pigment Yellow 34 顏料黃 34	1344-37-2
Pigment Yellow 157 顏料黃 157	68610-24-2
Pigment Red 104 顏料紅 104	12656-85-8

<b>Appendix G: Colorants with allergenic potential</b> 附錄 G: 可致敏著色劑	<b>CAS – No.</b>
Disperse Blue 3 分散藍 3	2475-46-9
Disperse Blue 7 分散藍 7	3179-90-6
Disperse Blue 26 分散藍 26	3860-63-7
Disperse Blue 35 分散藍 35	12222-75-2 56524-77-7
Disperse Blue 102 分散藍 102	12222-97-8
Disperse Blue 106 分散藍 106	12223-01-7
Disperse Blue 124 分散藍 124	61951-51-7
Disperse Brown 1 分散棕 1	23355-64-8
Disperse Orange 1 分散橙 1	2581-69-3
Disperse Orange 3 分散橙 3	730-40-5
Disperse Orange 37/59/76 分散橙 37/59/76	12223-33-5 13301-61-6 51811-42-8
Disperse Red 1 分散紅 1	2872-52-8
Disperse Red 11 分散紅 11	2872-48-2
Disperse Red 17 分散紅 17	3179-89-3
Disperse Yellow 1 分散黃 1	119-15-3
Disperse Yellow 9 分散黃 9	6373-73-5
<b>Appendix G: Colorants with allergenic potential (continued)</b>	<b>CAS – No.</b>

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附錄 G: 可致敏著色劑	
Disperse Yellow 39 分散黃 39	12236-29-2
Disperse Yellow 49 分散黃 49	54824-37-2

Appendix H: Colorants banned for other reasons 附錄 H: 其他禁用著色劑	CAS – No.
Basic Blue 26 鹼性藍 26	2580-56-5
Basic Violet 3 鹼性紫 3	548-62-9 603-48-5 14426-25-6
Direct Yellow 1 直接黃 1	6472-91-9
Disperse Yellow 23 分散黃 23	6250-23-3
Disperse Orange 149 分散橙 149	85136-74-9
Navy Blue 海軍藍 A mixture of: disodium (6-(4-anisidino)-3- sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1- naphtholato)(1-(5-chloro-2-oxidophenylazo)-2- naphtholato)chromate(1-),trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5- dinitro-2-oxidophenylazo)-1- naphtholato)chromate(1-) Component 1: CAS-No: 118685-33-9 C39H23ClCrN7O12S.2Na † Component 2: C46H30CrN10O20S2.3Na	EC-Number: 405-665-4 Component 1: 118685-33-9 Component 2: Not allocated

Appendix I: Dioxins and Furans 附錄 I: 戴奧辛和呋喃	CAS – No.
<b>Group 1 組別 1:</b>	<b>Several 多個</b>
2,3,7,8-Tetrachlorodibenzo-p-dioxin 2,3,7,8-四氯二苯並對戴奧辛	1746-01-6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin 1,2,3,7,8-五氯二苯並對戴奧辛	40321-76-4
2,3,7,8-Tetrachlorodibenzofuran 2,3,7,8-四氯二苯並呋喃	51207-31-9
2,3,4,7,8-Pentachlorodibenzofuran 2,3,4,7,8-五氯二苯並呋喃	57117-31-4
<b>Group 2 組別 2:</b>	<b>Several 多個</b>
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,4,7,8-六氯二苯並對戴奧辛	39227-28-6
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,6,7,8-六氯二苯並對戴奧辛	57653-85-7
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin 1,2,3,7,8,9-六氯二苯並對戴奧辛	19408-74-3
1,2,3,7,8-Pentachlorodibenzofuran 1,2,3,7,8-五氯代二苯並呋喃	57117-41-6
1,2,3,4,7,8-Hexachlorodibenzofuran 1,2,3,4,7,8-六氯代二苯並呋喃	70648-26-9
1,2,3,6,7,8-Hexachlorodibenzofuran 1,2,3,6,7,8-六氯代二苯並呋喃	57117-44-9
1,2,3,7,8,9-Hexachlorodibenzofuran 1,2,3,7,8,9-六氯代二苯並呋喃	72918-21-9

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<b>Appendix I: Dioxins and Furans (continued)</b> 附錄 I: 戴奧辛和呋喃 (繼續)	<b>CAS – No.</b>
2,3,4,6,7,8-Hexachlorodibenzofuran 2,3,4,6,7,8-六氯代二苯並呋喃	60851-34-5
<b>Group 3 組別 3:</b>	<b>Several 多個</b>
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin 1,2,3,4,6,7,8-七氯代二苯並對戴奧辛	35822-46-9
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin 1,2,3,4,6,7,8,9-八氯代二苯並對戴奧辛	3268-87-9
1,2,3,4,6,7,8-Heptachlorodibenzofuran 1,2,3,4,6,7,8-七氯代二苯並呋喃	67562-39-4
1,2,3,4,7,8,9-Heptachlorodibenzofuran 1,2,3,4,7,8,9-七氯代二苯並呋喃	55673-89-7
1,2,3,4,6,7,8,9-Octachlorodibenzofuran 1,2,3,4,6,7,8,9-八氯代二苯並呋喃	39001-02-0
<b>Group 4 組別 4:</b>	<b>Several 多個</b>
2,3,7,8-Tetrabromodibenzo-p-dioxin 2,3,7,8-四溴二苯並對戴奧辛	50585-41-6
1,2,3,7,8-Pentabromodibenzo-p-dioxin 1,2,3,7,8-五溴二苯並對戴奧辛	109333-34-8
2,3,7,8-Tetrabromodibenzofuran 2,3,7,8-四溴二苯並呋喃	67733-57-7
2,3,4,7,8-Pentabromodibenzofuran 2,3,4,7,8-五溴二苯並呋喃	131166-92-2
<b>Group 5 組別 5:</b>	<b>Several 多個</b>
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin 1,2,3,4,7,8-六溴二苯並對戴奧辛	110999-44-5
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin 1,2,3,6,7,8-六溴二苯並對戴奧辛	110999-45-6
1,2,3,7,8,9-Hexabromodibenzo-p-dioxin 1,2,3,7,8,9-六溴二苯並對戴奧辛	110999-46-7
1,2,3,7,8-Pentabromodibenzofuran 1,2,3,7,8-五溴二苯並呋喃	107555-93-1

<b>Appendix J: Flame retardants</b> 附錄 J: 阻燃劑	<b>CAS – No.</b>
2,2-Bis(bromomethyl)-1,3-propanediol 2,2-雙(溴甲基)-1,3-丙二醇 (BBMP)	3296-90-0
Bis(2,3-dibromopropyl)phosphate 雙(2,3-二溴丙基)磷酸鹽 (BDBPP)	5412-25-9
Chlorinated paraffins, all chain lengths 氯化石蠟, 所有鏈長	Several 多個
Paraffin wax, chlorinated 氯化石蠟	63449-39-8
Paraffin, C <sub>10</sub> -C <sub>13</sub> , chlorinated (SCCP) 短鏈氯化石蠟, C <sub>10</sub> -C <sub>13</sub>	85535-84-8
Paraffin, C <sub>14</sub> -C <sub>17</sub> , chlorinated (MCCP) 中鏈氯化石蠟, C <sub>14</sub> -C <sub>17</sub>	85535-85-9
Paraffin, C <sub>18</sub> -C <sub>28</sub> , chlorinated (LCCP) 長鏈氯化石蠟, C <sub>18</sub> -C <sub>28</sub>	85535-86-0

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<b>Appendix J: Flame retardants</b> 附錄 J: 阻燃劑	<b>CAS – No.</b>
Hexabromocyclododecan (HBCDD) 六溴環十二烷及其異構體(HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
Polybrominated diphenyl ethers (PBDE) 多溴聯苯醚	Several 多個
Tetrabromodiphenyl ether (TetraBDE) 四溴聯苯醚	40088-47-9
Pentabromodiphenyl ether (PentaBDE) 五溴聯苯醚	32534-81-9
Hexabromodiphenyl ether (HexaBDE) 六溴聯苯醚	36483-60-0
Heptabromodiphenyl ether (HeptaBDE) 七溴聯苯醚	68928-80-3
Octabromodiphenyl ether (OctaBDE) 八溴聯苯醚	32536-52-0
Nonabromodiphenyl ether (NonaBDE) 九溴聯苯醚	63936-56-1
Decabromodiphenyl ether (DecaBDE) 十溴聯苯醚	1163-19-5
Tetrabromobisphenol A 四溴雙酚 A	79-94-7
Tetrabromobisphenol A bis(2,3-dibromopropylether) 四溴雙酚 A 雙(2,3-二溴丙基醚)	21850-44-2
Tri(aziridin-1-yl)phosphine oxide Triethylenephosphoramidate (TEPA) 三亞乙基磷醯胺	545-55-1
Trimethyl phosphate 磷酸三甲酯	512-56-1
Tri-o-cresyl phosphate 磷酸三鄰甲苯酯	78-30-8
Tris(2-chloroethyl) phosphate (TCEP) 磷酸三(2-氯乙基)酯, 三(2-氯乙基)磷酸酯	115-96-8
Tris-(2-chloro-1-methylethyl)phosphate (TCPP) 三(二氯丙基)磷酸酯	13674-84-5
Tris-[2-chloro-1-(chloromethyl)ethyl]phosphate (TDCP) 三(1,3-二氯丙基)磷酸酯	13674-87-8
Tris(2,3-dibromopropyl)phosphate (TRIS) 磷酸三(2,3-二溴丙基)酯, 三(2,3-二溴丙醇)磷酸酯	126-72-7
Trixylyl phosphate 三(二甲苯) 磷酸酯	25155-23-1

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<b>Appendix K: Fluorinated Greenhouse Gases</b> 附錄 K: 含氟溫室氣體	<b>CAS – No.</b>
Sulphur hexafluoride – SF6 六氟化硫 - SF6	2551-62-4
Perfluoromethane 四氟甲烷	75-73-0
Perfluoroethane 六氟乙烷	76-16-4
Perfluoropropane 全氟丙烷	76-19-7
Perfluorobutane 全氟丁烷	355-25-9
Perfluoropentane 全氟戊烷	678-26-2
Perfluorohexane 全氟己烷	355-42-0
Perfluorocyclobutane 全氟環己烷	115-25-3
HFC-23 - CHF3 三氟甲烷	75-46-7
HFC-32 - CH2F2 二氟甲烷	75-10-5
HFC-41 - CH3F 氟甲烷	593-53-3
HFC-43-10mee - C5H2F10 十氟戊烷	138495-42-8
HFC-125 - C2HF5 五氟乙烷	354-33-6
HFC-134 - C2H2F4 1,1,2,2-四氟乙烷	359-35-3
HFC-134a - CH2FCF3 1,1,1,2-四氟乙烷	811-97-2
HFC-152a - C2H4F2 1,1-二氟乙烷	75-37-6
HFC-143 - C2H3F3 1,1,2-三氟乙烷	430-66-0
HFC-143a - C2H3F3 1,1,1-三氟乙烷	420-46-2
HFC-227ea - C3HF7 1,1,1,2,3,3,3-七氟丙烷	431-89-0
HFC-236cb - CH2FCF2CF3 1,1,1,2,2,3-六氟丙烷	677-56-5
HFC-236ea - CHF2CHF2CF3 1,1,1,2,3,3-六氟丙烷	431-63-0
HFC-236fa - C3H2F6 1,1,1,3,3,3-六氟丙烷	690-39-1
HFC-245ca - C3H3F5 1,1,2,2,3-五氟丙烷	679-86-7
HFC-245fa - CHF2CH2CF3 1,1,1,3,3-五氟丙烷	460-73-1
HFC-365mfc - CF3CH2CF2CH3 1,1,1,3,3-五氟丁烷	406-58-6

<b>Appendix L: Halogenated Biphenyls, Terphenyls, Naphthalenes</b> 附錄 L: 鹵代聯苯，鹵代三聯苯和鹵代萘	<b>CAS – No.</b>
Polybrominated biphenyls (PBBs) 多溴聯苯	Several 多個
Polychlorinated biphenyls (PCBs) 多氯聯苯	Several 多個
Polychlorinated terphenyls (PCTs) 多氯三聯苯	Several 多個
Polybrominated terphenyls (PBTs) 多溴三聯苯	Several 多個
Polychlorinated naphthalenes (PCNs) 多氯化萘	Several 多個
Polybrominated naphthalenes (PBNs) 多溴化萘	Several 多個

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<b>Appendix M: Halogenated Diarylalkanes</b> 附錄 M: 鹵代雙環烷類	<b>CAS – No.</b>
Monomethyl-dibromo-diphenyl methane 單甲基-二溴-二苯基甲烷	99688-47-8
Monomethyl-dichloro-diphenyl methane 單甲基-二氯-二苯基甲烷	81161-70-8
Monomethyl-tetrachloro-diphenyl methane 單甲基-四氯-二苯基甲烷	76253-60-6

<b>Appendix N: Isocyanates</b> 附錄 N: 異氰酸酯	<b>CAS – No.</b>
1,3-bis(isocyanatomethyl)benzene (HDI) 間苯二甲基異氰酸酯	3634-83-1
Diphenylmethane-4,4'-diisocyanate (MDI) 二苯基甲烷-4,4'-二異氰酸酯	101-68-8
Hexamethylene diisocyanate (HMDI) 己二異氰酸酯	822-06-0
Isophorone diisocyanate (IPDI) 異佛爾酮二異氰酸酯	4098-71-9
Tetramethylxylene diisocyanate (TMXDI) 四甲基二甲苯二異氰酸酯	2778-42-9
Toluene-2,4-diisocyanate (2,4-TDI) 甲苯-2,4-二異氰酸酯	584-84-9
Toluene-2,6-diisocyanate (2,6-TDI) 甲苯-2,6-二異氰酸酯	91-08-7

<b>Appendix O: Ozone Depleting Substances</b> 附錄 O: 臭氧消耗物質	<b>CAS – No.</b>
<b>Ozone-depleting substances (CFC's) class I</b> 臭氧消耗物質 第 1 類	<b>Several 多個</b>
Trichlorofluoromethane CFC-11 一氟三氯甲烷 CFC-11	75-69-4
Dichlorofluoromethane CFC-12 二氟二氯甲烷 CFC-12	75-71-8
1,1,2-Trichloro-1,2,2-trifluoroethane CFC-113 1,1,2-三氯-1,2,2-三氟乙烷 CFC-113	76-13-1
1,1,1-Trichloro-2,2,2-trifluoroethane CFC-113a 1,1,1-三氯-2,2,2-三氟乙烷 CFC-113a	354-58-5
1,2-Dichloro-1,1,2,2-tetrafluoroethane CFC-114 二氯-1,1,2,2-四氟乙烷 CFC-114	76-14-2
1,1-Dichloro-1,2,2,2-tetrafluoroethane CFC-114a 1,1-二氯-1,2,2,2-四氟乙烷 CFC-114a	374-07-2
Monochloropentafluoroethane CFC-115 一氯五氟乙烷 CFC-115	76-15-3
Bromochlorodifluoromethane Halon-1211 二氟一氯一溴甲烷 哈龍-1211	353-59-3
Bromotrifluoromethane Halon-1301 三氟一溴甲烷 哈龍-1301	75-63-8
Dibromotetrafluoroethane Halon-2402 二溴四氟乙烷 哈龍-2402	124-73-2
Chlorotrifluoromethane CFC-13 三氟一氯甲烷 CFC-13	75-72-9
Pentachlorofluoroethane CFC-111 氟五氯乙烷 CFC-111	354-56-3

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<b>Ozone-depleting substances (CFC's) class I (continued)</b> 臭氧消耗物質 第 1 類 (繼續)	<b>Several 多個</b>
1,1,2,2-Tetrachloro-1,2-difluoroethane CFC-112 1,1,2,2-四氯-1,2-二氟乙烷 CFC-112	76-12-0
1,1,1,2-Tetrachlorodifluoroethane CFC-112a 1,1,1,2-四氯二氟乙烷 CFC-112a	76-11-9
Heptachlorofluoropropane CFC-211 氟七氯丙烷 CFC-211	422-78-6
Hexachlorodifluoropropane CFC-212 二氟六氯丙烷 CFC-212	3182-26-1
Pentachlorotrifluoropropane CFC-213 三氟五氯丙烷 CFC-213	2354-06-5
Tetrachlorotetrafluoropropane CFC-214 四氟四氯丙烷 CFC-214	29255-31-0
1,1,3-Trichloropentafluoropropane CFC-215 1,1,3-三氯五氟丙烷 CFC-215	76-17-5
1,2,3-Trichloropentafluoropropane CFC-215 1,2,3-三氯五氟丙烷 CFC-215	1652-81-9
1,1,1-Trichloropentafluoropropane CFC-215 1,1,1-三氯五氟丙烷 CFC-215	4259-43-2
1,2,2-Trichloropentafluoropropane CFC-215 1,2,2-三氯五氟丙烷 CFC-215	1599-41-3
Dichlorohexafluoropropane CFC-216 二氯六氟丙烷 CFC-216	661-97-2
Monochloroheptafluoropropane CFC-217 一氯七氟丙烷 CFC-217	422-86-6
Carbon tetrachloride CCl4 四氯化碳 CCl4	56-23-5
1,1,1-Trichloroethane (Methylchloroform) 1,1,1-Trichloroethane 1,1,1-三氯乙烷	71-55-6
Methylbromide (CH3Br) 甲基溴	74-83-9
CHBr2 二溴氟甲烷	1868-53-7
CHF2Br 溴二氟甲烷	1511-62-2
CH2FBr 溴氟甲烷	373-52-4
C2HBr4 四溴一氟乙烷	353-93-5
C2HF2Br3 三溴二氟乙烷	353-97-9
C2HF3Br2 二溴三氟乙烷	354-04-1
C2HF4Br 一溴四氟乙烷	354-07-4
C2H2FBr3 三溴氟乙烷	172912-75-3
C2H2F2Br2 二溴二氟乙烷	75-82-1
C2H2F3Br 溴三氟乙烷	421-06-7
C2H3FBr2 二溴氟乙烷	358-97-4
C2H3F2Br 一溴二氟乙烷	359-07-9
C2H4FBr 一溴一氟乙烷	762-49-2
C3HBr6 六溴一氟丙烷	-
C3HF2Br5 五溴二氟丙烷	-

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<b>Ozone-depleting substances (CFC's) class I (continued)</b>	<b>Several 多個</b>
C3HF3Br4 四溴三氟丙烷	-
C3HF4Br3 三溴四氟丙烷	666-48-8
C3HF5Br2 二溴五氟丙烷	431-78-7
C3HF6Br 一溴六氟丙烷	2252-79-1
C3H2FBr5 五溴一氟丙烷	-
C3H2F2Br4 四溴二氟丙烷	148875-98-3
C3H2F3Br3 三溴三氟丙烷	431-48-1
C3H2F4Br2 二溴四氟丙烷	460-86-6
C3H2F5Br 一溴五氟丙烷	460-88-8
C3H3FBr4 四溴一氟丙烷	-
C3H3F2Br3 三溴二氟丙烷	666-25-1
C3H3F3Br2 二溴三氟丙烷	460-60-6
C3H3F4Br 一溴四氟丙烷	460-67-3
C3H4FBr3 三溴一氟丙烷	75372-14-4
C3H4F2Br2 二溴二氟丙烷	51584-25-9
C3H4F3Br 一溴三氟丙烷	460-32-2
C3H5FBr2 二溴一氟丙烷	453-00-9
C3H5F2Br 一溴二氟丙烷	461-49-4
C3H6FBr 一溴一氟丙烷	1871-72-3
Chlorobromomethane CH2BrCl 溴氯甲烷	74-97-5

<b>Ozone-depleting substances (CFC's) class II</b> <b>臭氧消耗物質第 II 類</b>	<b>Several 多個</b>
Dichlorofluoromethane HCFC-21 一氟二氯甲烷 HCFC-21	75-43-4
Monochlorodifluoromethane HCFC-22 二氟一氯甲烷 HCFC-22	75-45-6
Monochlorofluoromethane HCFC-31 一氟一氯甲烷 HCFC-31	593-70-4
Tetrachlorofluoroethane HCFC-121 一氟四氯乙烷 HCFC-121	354-14-3
Trichlorodifluoroethane HCFC-122 二氟三氯乙烷 HCFC-122	354-21-2
Dichlorotrifluoroethane HCFC-123 三氟二氯乙烷 HCFC-123	306-83-2
Monochlorotetrafluoroethane HCFC-124 四氟一氯乙烷 HCFC-124	2837-89-0
Trichlorofluoroethane HCFC-131 一氟三氯乙烷 HCFC-131	359-28-4
Dichlorodifluoroethane HCFC-132 二氟二氯乙烷 HCFC-132	1649-08-7
Monochlorotrifluoroethane HCFC-133a 三氟一氯乙烷 HCFC-133a	75-88-7
HCFC-141 一氟二氯乙烷 HCFC-141	-
Dichlorofluoroethane HCFC-141b 一氟二氯乙烷 HCFC-141b	1717-00-6
HCFC-142 二氟一氯乙烷 HCFC-142	-
Monochlorodifluoroethane HCFC-142b 二氟一氯乙烷 HCFC-142b	75-68-3
HCFC-151 一氟一氯乙烷 HCFC-151	-
Hexachlorofluoropropane HCFC-221 一氟六氯丙烷 HCFC-221	422-26-4
Pentachlorodifluoropropane HCFC-222 二氟五氯丙烷 HCFC-222	422-49-1
Tetrachlorotrifluoropropane HCFC-223 三氟四氯丙烷 HCFC-223	422-52-6
Trichlorotetrafluoropropane HCFC-224 四氟三氯丙烷 HCFC-224	422-54-8
HCFC-225 五氟二氯丙烷	-
Dichloropentafluoropropane HCFC-225ca 3,3-二氯-1,1,1,2,2-五氟丙烷 HCFC-225ca	422-56-0

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<b>Ozone-depleting substances (CFC's) class II (continued)</b> 臭氧消耗物質第 II 類	<b>Several 多個</b>
Dichloropentafluoropropane HCFC-225cb 1,3-二氯-1,1,1,2,3-五氟丙烷 HCFC-225cb	507-55-1
Monochlorohexafluoropropane HCFC-226 六氟一氯丙烷 HCFC-226	431-87-8
Pentachlorofluoropropane HCFC-231 一氟五氯丙烷 HCFC-231	421-94-3
Tetrachlorodifluoropropane HCFC-232 二氟四氯丙烷 HCFC-232	460-89-9
Trichlorotrifluoropropane HCFC-233 三氟三氯丙烷 HCFC-233	7125-84-0
Dichlorotetrafluoropropane HCFC-234 四氟二氯丙烷 HCFC-234	425-94-5
Monochloropentafluoropropane HCFC-235 五氟一氯丙烷 HCFC-235	460-92-4
Tetrachlorofluoropropane HCFC-241 一氟四氯丙烷 HCFC-241	666-27-3
Trichlorodifluoropropane HCFC-242 二氟三氯丙烷 HCFC-242	460-63-9
Dichlorotrifluoropropane HCFC-243 三氟二氯丙烷 HCFC-243	460-69-5
Monochlorotetrafluoropropane HCFC-244 四氟一氯丙烷 HCFC-244	134190-50-4
Trichloromonofluoropropane HCFC-251 四氟一氯丙烷 HCFC-251	421-41-0
Dichlorodifluoropropane HCFC-252 二氟二氯丙烷 HCFC-252	819-00-1
Monochlorotrifluoropropane HCFC-253 三氟一氯丙烷 HCFC-253	460-35-5
Dichlorofluoropropane HCFC-261 一氟二氯丙烷 HCFC-261	420-97-3
Monochlorodifluoropropane HCFC-262 二氟一氯丙烷 HCFC-262	421-02-3
Monochlorofluoropropane HCFC-271 一氟一氯丙烷 HCFC-271	430-55-7

<b>Appendix P: Pesticides</b>	<b>CAS – No.</b>
Acetamiprid 亞滅培	135410-20-7 160430-64-8
Aldrine 阿特靈	309-00-2
Azinphos methyl 谷速松	86-50-0
Azinphos ethyl 乙基穀硫磷(益棉磷)	2642-71-9
Bromophos-ethyl 乙基溴磷松	4824-78-6
Captafol 四氯丹	2425-06-1
Carbaryl 加保利	63-25-2
Chlorobenzilate 克氯苯	510-15-6

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<b>Appendix P: Pesticides (continued)</b> 附錄 P: 殺蟲劑 (繼續)	<b>CAS – No.</b>
Chlordane 可氯丹	57-74-9
Chlordecone 十氯酮	143-50-0
Chlordimeform 克死蟎	6164-98-3
Chlorfenvinphos 氯芬松	470-90-6
Clothianidin 可尼丁	210880-92-5
Coumaphos 香豆磷	56-72-4
Cyfluthrin 賽扶寧	68359-37-5
Cyhalothrin, lambda 賽洛寧	91465-08-6
Cypermethrin 賽滅寧	52315-07-8
Deltamethrin 第滅寧	52918-63-5
Diazinon 大利松	333-41-5
o,p'-Dichlorodiphenyldichloroethane (o,p'-DDD) 米托坦;1-(2-氯苯基)-1-(4-氯苯基)-2,2-二氯乙烷	53-19-0
p,p'-Dichlorodiphenyldichloroethane (p,p'-DDD) 2,2-雙(對氯苯基)-1,1-二氯乙烷	72-54-8
o,p'-Dichlorodiphenyldichloroethylene (o,p'-DDE) 3-鄰氯苯基-2-對氯苯基-1,1-二氯乙烯	3424-82-6
p,p'-Dichlorodiphenyldichloroethylene (p,p'-DDE) 2,2-雙(4-氯苯基)-1,1-二氯乙烯	72-55-9
o,p'-Dichlorodiphenyltrichloroethane (o,p'-DDT) and its isomers; preparations containing DDT and its isomers 2-鄰氯苯基-2-對氯苯基-1,1,1-三氯乙烷及其異構體;製備時含有 DDT 及其異構體	789-02-6
p,p'-Dichlorodiphenyltrichloroethane (p,p'-DDT) and its isomers; preparations containing DDT and its isomers 1,1-雙(4-氯苯基)2,2,2-三氯乙烷及其異構體;製備時含 DDT 及其異構體	50-29-3
2,4-Dichlorophenoxyacetic acid, its salts and compounds 2,4-二氯苯氧基乙酸,及其鹽和化合物	94-75-7
Dichlorprop 2,4-滴丙酸	120-36-2
Dicrotophos 雙特松	141-66-2
Dieldrine 地特靈	60-57-1
Dimethoate 大滅松	60-51-5
Dinoseb and salts 地樂酚及其鹽	88-85-7
Dinotefuran 達特南	165252-70-0
Endosulfan, alpha α-硫丹	959-98-8
Endosulfan, beta β-硫丹	33213-65-9
Endrine 安特靈	72-20-8
Esfenvalerate 益化利	66230-04-4
Ethion 愛殺松	51630-58-1
Heptachlor 飛佈達	76-44-8
Heptachlor epoxide 環氧飛佈達	1024-57-3
Hexachlorocyclohexane (HCH), all isomers 六氯環己烷及其同分異構體	608-73-1
Imidacloprid 益達胺	105827-78-9 138261-41-3

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<b>Appendix P: Pesticides (continued)</b> 附錄 P: 殺蟲劑 (繼續)	<b>CAS – No.</b>
Isodrin 異艾氏劑	465-73-6
Kelevane 克來範	4234-79-1
Lindane 靈丹	58-89-9
Malathion 馬拉松(有機磷殺蟲劑)	121-75-5
MCPA 2-甲-4-苯氧基乙酸	94-74-6
MCPB 氯丁酸	94-81-5
Mecoprop 丙酸	93-65-2
Methamidophos 達馬松	10265-92-6
Methoxychlor 甲氧氯	72-43-5
Methyl parathion 甲基巴拉松	298-00-0
Mevinophos 美文松	7786-34-7
Mirex 滅蟻樂	2385-85-5
Monocrotophos 亞素靈	6923-22-4
Nitenpyram 烯啶虫胺	150824-47-8 120738-89-8
Ethyl parathion 乙基對硫磷	56-38-2
Perthane 乙滴涕	72-56-0
Phosphamidon 福賜米松	13171-21-6
Profenophos 佈飛松	41198-08-7
Propetamphos 胺丙畏	31218-83-4
Quinalphos 拜裕松	13593-03-8
Strobane 毒殺芬	8001-50-1
Telodrin 碳氯靈	297-78-9
Tiacloprid 賽果培	111988-49-9
Thiamethoxam 賽速安	153719-23-4
Toxaphene 毒殺芬	8001-35-2
Tribufos (DEF) 脫葉磷	78-48-8
2,4,5-Trichlorophenoxyacetic acid, salts and compounds 2,4,5-三氯苯氧基乙酸,及其鹽和化合物	93-76-5
Trifluralin 三福林	1582-09-8

<b>Appendix Q: Plasticizer</b> 附錄 Q: 塑化劑	<b>CAS – No.</b>
Bis-(2-methoxyethyl) phthalate (DMEP) 鄰苯二甲酸二甲氧乙酯	117-82-8
Butylbenzyl phthalate (BBP) 鄰苯二甲酸丁苄酯	85-68-7
Dibutyl phthalate (DBP) 鄰苯二甲酸二丁酯	84-74-2
Di-cyclohexyl phthalate (DCHP) 鄰苯二甲酸二環己酯	84-61-7
Diethylhexyl phthalate (DEHP) 鄰苯二甲酸二辛酯	117-81-7
Diethyl phthalate (DEP) 鄰苯二甲酸二乙酯	84-66-2
Diisobutyl phthalate (DIBP) 鄰苯二甲酸二異丁酯	84-69-5
Diisodecyl phthalate (DIDP) 鄰苯二甲酸二異癸酯	26761-40-0 68515-49-1

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<b>Appendix Q: Plasticizer (continued)</b> 附錄 Q: 塑化劑 (繼續)	<b>CAS – No.</b>
Diisononyl phthalate (DINP) 鄰苯二甲酸二異壬酯	28553-12-0 68515-48-0
Di-isooctyl phthalate (DIOP) 鄰苯二甲酸二異辛酯	27554-26-3
Di-iso-pentyl phthalate (DIPP) 鄰苯二甲酸二異戊酯	605-50-5
Dimethyl phthalate (DMP) 鄰苯二甲酸二甲酯	131-11-3
Di-n-hexyl phthalate (DNHP) 鄰苯二甲酸二己酯	84-75-3
Di-n-octyl phthalate (DNOP) 鄰苯二甲酸二辛酯	117-84-0
Dinonyl phthalate (DNP) 鄰苯二甲酸二壬酯	84-76-4
Di-n-pentyl phthalate (DnPP) 鄰苯二甲酸二戊酯	131-18-0
Di-n-propyl phthalate (DPRP) 鄰苯二甲酸二丙酯	131-16-8
n-Pentyl-isopentyl phthalate 正戊基異戊基鄰苯二甲酸酯	776297-69-9
1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP) 鄰苯二甲酸二異庚酯	71888-89-6
1,2-Benzenedicarboxylic acid, benzyl C <sub>7-9</sub> -branched and linear alkyl esters 鄰苯二甲酸苄(C <sub>7-9</sub> 支鏈與直鏈)烷基酯	68515-40-2
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP) 鄰苯二甲酸二(C <sub>7-11</sub> 支鏈與直鏈)烷基酯	68515-42-4
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 鄰苯二甲酸戊基異戊酯, 支鏈與直鏈	84777-06-0
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 鄰苯二甲酸戊基異己酯, 支鏈與直鏈	68515-50-4

<b>Appendix R: Polyaromatic Hydrocarbons (PAHs)</b> 附錄 R: 多環芳香烴	<b>CAS – No.</b>
Acenaphthylene 芴烯	208-96-8
Acenaphthene 芴	83-32-9
Anthracene 蒽	120-12-7
Benzo(a)anthracene* 1,2-苯並蒽	56-55-3
Benzo(b)fluoranthene* 苯並(b)熾蒽	205-99-2
Benzo(j)fluoranthene* 苯並(j)熾蒽	205-82-3
Benzo(k)fluoranthene* 苯並(k)熾蒽	207-08-9
Benzo(ghi)perylene 苯並(g,h,i)芘	191-24-2
Benzo(a)pyrene 苯并(a)芘	50-32-8
Benzo(e)pyrene* 苯并(e)芘	192-97-2
Chrysene* 1,2-苯並菲	218-01-9
Dibenzo(a,h)anthracene* 二苯蒽	53-70-3
Fluoranthene 熾蒽	206-44-0
Fluorene 芴	86-73-7
Indeno(1,2,3-cd)pyrene 茛並(1,2,3-cd)芘	193-39-5
Naphthalene 萘	91-20-3
Phenanthrene 菲	85-01-8
Pyrene 芘	129-00-0

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