

# bluesign® Restricted Substances List (RSL)

## bluesign® 限用物质清单 (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.

在复杂的供应链中要保障消费者安全的产品责任管理是一项挑战。从要求供应商提供符合品牌限用物质清单（品牌 RSL）的合规声明是一个好的开始。同时，供应商还应有一个健全的测试计划来证明合规声明的可靠性。

*bluesign® system 物质清单 (BSSL) 消费者安全限值*规定了制品中可含受控物质的消费者安全限值。由于 BSSL 所列出的受控物质数量和范围广泛，BSSL 不应直接用于供应商的合规声明。只有透过全面的输入流管理和强大的 bluesign® SYSTEM 合作伙伴网络（包括化学品供应商）才能得出优选化学品清单 (bluesign® FINDER)，并保障最大程度符合 BSSL 限值。

本份 RSL 是摘录自 BSSL，其中包含在纺织及皮革制品中最重要及受法规监管受控物质的消费者安全限值和推荐的测试方法。品牌和零售商可以使用此 RSL 作为采购条款的指引方针。本文件可同时与测试矩阵一起参考作为制品的测试指南。

RSL 与 BSSL 保持一致，至少每年修订一次。

*The content of this document has been prepared by bluesign technologies (ag) for information purposes only and does not constitute legal advice. Bluesign have been as diligent as possible in compiling and updating the information in this document. However, Bluesign do not guarantee the correctness and completeness of the information provided here.*

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL bluesign® 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

## Definitions 定义

### 1.1 Accessory 辅料

A component of a consumer product which is not classified as a textile fabric (e.g. button, label, zipper, etc.). 消费品其中不归类为纺织面料的组成部分 (如: 纽扣、标签、拉链等)

### 1.2 Article 制品

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.).

通过生产被赋予特殊的形状, 外观或设计, 从而使其在原有的化学组分基础上引申出更广泛更丰富功能的一件物品(纤维、布料、纽扣、拉链等)。

### 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 物质清单-消费者安全限值。本清单列出制品中可含化学物质的消费者安全限值,以及订定禁止用于生产制品的化学物质的使用限制。

### 1.4 CAS 化学品文摘号

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 化学品文摘号是对化学元素、化合物、聚合物、生物学序列、混合物和合金的一种独特的数字识别码。化学文摘社(CAS)是美国化学学会的一个部门, 负责为每一个在文献中有描述的化学品编上识别码。由于化学品通常都有很多不同名称, 该识别码可以令数据库搜索时更便捷。迄今为止, 几乎所有的分子式数据库都可以透过 CAS 化学品文摘号进行搜索。

### 1.5 Chemical substance 化学物质

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

一种化学元素及其化合物, 具有特定的化学成分和属性, 可用 CAS 化学品文摘号识别。

### 1.6 Component 组成

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.

制品中可单独拆分的一部分, 可根据材料、功能和/或颜色区分, 可以用简易的物理方法自其它组成中区别开来的部分。

### 1.7 Detection limit (DL) 检出限

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.

检出限, 是指采用某一特定的分析方法能够检测出样品中待测物质的最低量。

### 1.8 Limit value 限值

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

在使用类别 A、B 和 C 对应的消费用品里化学物质的最大允许含量。

### 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.

由两种或多种物质组成的化学产品, 例如: 着色剂或助剂。

### 1.10 Several 多个

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.

多个表示该整个物质组别都被限用，但不是所有该物质组别内被限用的物质都会逐一列出。本清单中所列出的属于该物质组别的限用物质，当该物质组别涉及到检测时，属于需要包含在检测内的限用物质。

### 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.

禁用的化学物质出于未知来源会以极其小量浓度残留在制品内。痕量即指对这些不可避免的残留化学品制定的最小限值。

### 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.

某些化学物质或其同类被列为禁用，不得刻意用于制品生产。即生产过程中使用的化学物质(如着色剂，纺织助剂等)不得刻意含有这些被禁用物质或其同类。禁用的目的就是通过预防措施阻止有害物质排放到环境中并残留在制品内。

### 1.13 Usage range 使用类别

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:

使用类别是依据消费者安全要求对消费用品进行分类。使用类别分三类(A,B,C)，其中 A 类有最为严格的限值及禁用要求：

- Usage Range A: Next to skin use and baby articles (0 to 3 years)  
使用类别 A: 紧贴皮肤类和婴儿类(零至三岁)
- Usage Range B: Occasional skin contact  
使用类别 B: 偶尔接触皮肤类
- Usage Range C: No skin contact  
使用类别 C: 不接触皮肤类

## 2 Scope 适用范围

The document specifies restrictions (limits and bans) for chemical substances in  
本物质清单对化学物质的限用规定(限值和禁用)适用于：

- articles made of textile and leather  
以纺织面料和皮革制成的制品
- accessories for textile and leather articles  
用于纺织制品和皮革制品的辅料

### 2.1 Application 使用范围

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.

半成品或成品的每个单一组成都必须符合限量规定。单一组成是指一件制品里的不同部分，可根据材料类别、和/或功能、和/或颜色，可以简单地以物理方法与其他组成区别开来的部分。

### 3 Testing methods 测试方法

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章每张表格的最后一列所列的测试方法，均为推荐的测试方法，包含测试样制备比如萃取，分解，衍生等，和仪器分析方法比如 GC-MS, LC-MS, HPLC 等。引用的仪器分析方法，部分是国际标准或国家标准。除此以外的分析方法，需事先验证测试结果是否等同后方可采用。

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

测试样品制备列表如下：

Sample preparation 测试样品制备	Solvent(s) 溶剂	Temperature (°C) 温度(°C)	Time (min) 时间 (分钟)	Other requirements 其他要求
Extraction with KOH 氢氧化钾萃取	Potassium Hydroxide (1M) 氢氧化钾 (1M)	90	12-15 小时	Derivatisation with Acetic anhydride 醋酸酐衍生法
Extraction with MeOH 甲醇萃取	Methanol 甲醇	70	60	Ultrasonic bath 超声波萃取
Extraction with THF 四氢呋喃萃取	Tetrahydrofuran 四氢呋喃	40	60	
Extraction with DCM 二氯甲烷萃取	Dichloromethane 二氯甲烷	40	60	Ultrasonic bath 超声波萃取
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 超声波萃取
Extraction with MeOH/Acetonitrile 甲醇/乙腈萃取	Methanol/Acetonitrile (1:1) 甲醇/乙腈(1:1)	70	30	Ultrasonic bath 超声波萃取
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 加速溶剂萃取	Acetone/Hexane (1:1) 丙酮/己烷(1:1)	100	-	
ASE - Accelerated Solvent Extraction 加速溶剂萃取	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 顶空进样	-	120	45	
DIN EN ISO 105-E04 (2013)	Acidic sweat solution 酸性汗渍溶液	37	60	Textile to liquor ratio 1:50 浴比 1:50

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

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

顶空进样检测, 建议采用吹扫捕集气相色谱法。

## 4 Restricted parameters and substances 限用参数和物质

PARAMETER 参数	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
pH 值	Non-leather products: 非皮革产品			ISO 3071 (2005)
	4.0-7.5			
	Leather products: 皮革产品			ISO 4045 (2008)
	3.5-7.5			
Odor 气味	No unpleasant odor shall be emitted from the products 不应产生异味			SNV 195 651
<b>Color Fastness Properties</b> 牢度				
Color fastness to perspiration 汗渍牢度	Textiles dyed with disperse or metal complex dyes: at least 3 – 4, the goal is > 4 用分散或金属络合染料染色的纺织品至少 3-4, 目标>4			ISO 105-E04 (2013)
Color fastness to saliva and perspiration 唾液及汗渍牢度	Fast 牢度 (corresponds to level 5 of 5-step grey scale described in ISO 105-A02 (1993) 参考在 ISO105-A02 (1993) 的 5 阶段灰度级距牢度测试			§64 LFGB BVL B 82.10-1 in combination with DIN 53160-1 and -2 (2010)  §64 LFGB BVL B 82.10-1 结合 DIN 53160-1 及-2 (2010)

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | [www.bluesign.com](http://www.bluesign.com)

SUBSTANCE 物质	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Aldehydes 醛类</b>				
Formaldehyde (CAS 50-00-0) 甲醛	DL (15)	75	300	Textile 纺织品: 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) 详见附录A	<b>Usage ban 禁用</b> 10 for each Alkylphenol 10 每个烷基酚  100 for each Alkylphenoethoxylate 100 每个烷基酚聚氧乙烯醚			Textile 纺织品: ISO 18254-1 (2016)  Leather 皮革: ISO 18218-1 (2015)
<b>Amines 胺类</b>				
Aniline (free) (CAS 62-53-3) 游离苯胺	Usage ban // DL: 30 禁用//检出限: 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>芳香胺及其盐</b> (诸如聚氨酯和偶氮染料中某些成分会通过还原裂解释放出芳香胺) 详见附录B	<b>Usage ban</b> DL: 20  <b>禁用</b> 检出限: 20			Textile 纺织品: EN ISO 14362-1 (2017) EN ISO 14362-3 (2017) (for azo colorants which may release 4-Aminoazobenzene) (会释放对氨基偶氮苯的着色剂)  Leather 皮革: EN ISO 17234-1 (2015) EN ISO 17234-2 (2011) (for azo colorants which may release 4-Aminoazobenzene) (会释放对氨基偶氮苯的着色剂)

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Asbestos 石棉</b> listed in Appendix C 详见附录 C	<b>Usage ban not detected</b> 禁用 未检出			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 详见附录D	<b>Usage ban</b> DL: 1.0  Sum of all: 5.0			DIN 54232 (2010)

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com



SUBSTANCE 物质	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Chlorinated Phenols 氯代苯酚</b> listed in Appendix E 详见附录E	<b>Usage ban 禁用</b>			Extraction with KOH // § 64 LFGB B 82.02-8 (2001) or DIN EN ISO 17070 (2015)  氢氧化钾萃取// § 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, 及其异构体	Sum of all Mono- and DiCPs: 所有单氯苯酚和二氯苯酚 总和:			
Dichlorophenols (DiCP), all isomers (CAS 25167-81-1) 二氯苯酚, 及其异构体	1.0	1.0	1.0	
Trichlorophenols (TriCP), all isomers (CAS 25167-82-2) 三氯苯酚, 及其异构体	Sum of each group of TriCPs, TeCPs, PCPs: 所有各别三氯苯酚、四氯苯酚、五氯苯酚总和:			
Tetrachlorophenols (TeCP), salts and compounds (CAS 25167-83-3) 四氯苯酚, 及其盐和化合物	0.05	0.5	0.5	
Pentachlorophenol (PCP), salts, esters and compounds (CAS 87-86-5) 五氯苯酚, 及其盐和化合物				
<b>Colorants 着色剂</b>	<b>Usage ban 禁用</b>			DIN 54231
Colorants with carcinogenic potential listed in Appendix F 可致癌着色剂 详见附录 F	DL: 20			
Colorants with allergenic potential listed in Appendix G 可致敏着色剂 详见附录 G	DL: 20			
Colorants banned for other reasons listed in Appendix H 其他禁用着色剂 详见附录 H	DL: 20			

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Dioxins and Furans 戴奥辛及呋喃</b> listed in Appendix I 详见附录 I	<b>Usage ban 禁用</b>			EPA 8290A
Group 1 组别 1	Sum of group 1 组别 1 总和: 1.0 [µg/kg]			
Group 2 组别 2	Sum of group 1 and 2 组别 1 及 2 总和: 5.0 [µg/kg]			
Group 3 组别 3	Sum of group 1, 2 and 3: 组别 1,2 及 3 总和: 100 [µg/kg]			
Group 4 组别 4	Sum of group 4: 组别 4 总和: 1.0 [µg/kg]			
Group 5 组别 5	Sum of group 4 and 5: 组别 4 及 5 总和: 5.0 [µg/kg]			
<b>Flame retardants 阻燃剂</b> listed in Appendix J 详见附录 J	<b>Usage ban 禁用</b> 检出限 DL: 5.0 Chlorinated paraffins in leather 皮革中的氯化石蜡: <b>Usage ban 禁用</b> Traces 痕量: 100			ISO 17881-1 (2016) for brominated flame retardants 含溴阻燃剂 ISO 17881-2 (2016) for phosphorus flame retardants 含磷阻燃剂
<b>Fluorinated Greenhouse Gases 含氟温室气体</b> listed in Appendix K 详见附录 K	<b>Usage ban 禁用</b> 检出限 DL: 0.1			Headspace GC-MS 顶空进样 GC-MS

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	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/全氟辛烷磺酸盐	<b>Usage ban 禁用</b> 1.0 [µg/m <sup>2</sup> ]			CEN/TS 15968 (2014)
Perfluorocarboxylic acid and salts 全氟羧酸及其盐	<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-相关物质</b>	<b>Several 多个</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-相关物质 总和)			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-全氟葵醇**				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 乙酸乙酯加速溶剂萃取//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).

禁止用于 C6 及以上电解氟化产品生产的长链化合物

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

2014 年底需淘汰的用于 C8 及以上调聚物产品生产的长链化合物

SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备 // 测试方法
	A	B	C	
<b>Glycols 乙二醇类</b>				
Bis(2-methoxyethyl)-ether (CAS 111-96-6) 双(2-甲氧乙基)-醚	<b>Usage ban 禁用</b> 检出限 DL:5.0			Textile 纺织品: Extraction with MeOH // GC-MS 甲醇萃取// GC-MS  Plastic 塑料制品: 2-Step extraction with THF and MeOH // GC-MS 四氢呋喃和甲醇两步萃取法// GC-MS
2-Ethoxyethanol (CAS 110-80-5) 2-丁氧基乙醇				
2-Ethoxyethyl acetate (CAS 111-15-9) 乙二醇单乙醚				
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-丙二醇单甲醚				
2-Methoxypropylacetate (CAS 70657-70-4) 2-丙二醇单甲醚醋酸酯				
Triethylene glycol dimethyl ether (CAS 112-49-2) 三乙二醇二甲醚				
<b>Halogenated Biphenyls, halogenated Terphenyls, halogenated Naphthalenes</b> 卤代联苯, 卤代三联苯和卤代萘 listed in Appendix L 详见附录 L				
<b>Halogenated Diarylalkanes</b> 卤代双环烷类 listed in Appendix M 详见附录 M	<b>Usage ban 禁用</b> 检出限 DL: 1.0			Extraction following IEC 62321-6 (2015) // GC-MS 按照IEC 62321-6 (2015)萃取 // GC-MS
<b>Isocyanates 异氰酸酯</b> listed in Appendix N 详见附录 N	Free content Sum of all 所有的异氰酸酯总和: 1.0			EN 13130-8 (2004)

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

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

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

METAL 金属	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
Chromium (Cr) 铬 (CAS 7440-47-3)	Textiles 纺织品			DIN EN 16711-2 (2016) (acidic sweat solution 酸性汗液)
	0.5			
	For textiles dyed with chromium containing metal complex dyes: 络合染料染色的纺织品:			
	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: 非金属部分(纺织品/皮革除外): 60 If products are covered with a metal layer, including a chromium layer, coating must be constantly in good condition 如产品使用含铬在内的金属层,则涂层必须在良好条件下完成			
Leather 皮革: no regulation 不限			-	
Chromium (VI) 铬(VI) (CAS 18540-29-9)	<b>Usage ban 禁用</b>			
	Metal parts and non-metal parts others than leather 金属/非金属部分(皮革除外):			EN ISO 17075-1 or 或-2 (2017)
	检出限 DL: 0.5			
	Leather 皮革:			DIN EN ISO 4044 (2017) // EN ISO 17075-1 (2017-) or 或 EN ISO 17075-2 (2017-05)
检出限 DL: 3.0				
Cobalt (Co) 钴 (CAS 7440-48-4)	Textiles and leather 纺织品和皮革:			Textiles and others 纺织品和其他: 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 钴络合染料染色的纺织品和皮革			
	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: 金属和非金属部分(纺织品/皮革除外)			
1.0	4.0	4.0		

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

METAL 金属	LIMIT 限值[mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
Copper (Cu) 铜 (CAS 7440-50-8)	For textiles and leather (including metal complex dyed materials) 纺织品/皮革 (包含金属络合染料染色的纺织品):			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: 非金属部分(纺织品和皮革除外):			-
	No regulation 不限			
Lead (Pb) 铅 (CAS 7439-92-1)	<b>Usage ban 禁用</b>			
	Textiles, plastics and leather Traces: 纺织品, 塑料制品和皮革 痕量:			Textiles and others 纺织品和其 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 非金属部分			Textiles and others 纺织品和其 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 金属部分: Traces 痕量: 60			EN 71-3 (2013) (acidic solution simulating gastric juices 仿胃液 酸性溶液) // ISO 12846 (2012)
Nickel (Ni) 镍 (CAS 7440-02-0)	Textiles and leather 纺织品和皮革:			Textiles and others 纺织品和其 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: 含镍络合染料染色的纺织品和皮革:			
	1.0	4.0	4.0	
	Metal parts and non-metal parts others than textiles and leather: 金属和非金属 (非纺织品) <b>Usage ban for A and B A类及B类禁用</b> 0.5 [ $\mu\text{g}/\text{cm}^2/\text{week}$ ]			Release EN 12472 (2005)+A1(2009) // EN 1811 (2011)+A1(2015)

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>HEAVY METALS 重金属 (TOTAL CONTENT 总含量)</b>				
<b>METAL 金属</b>	<b>LIMIT 限值[mg/kg]</b>			<b>RECOMMENDED SAMPLE PREPARATION // TEST METHOD</b> 推荐样品制备//测试方法
	<b>A</b>	<b>B</b>	<b>C</b>	
Total Cadmium (Cd) 总镉	<b>Usage ban 禁用</b>			
	Non-metal parts (textiles, leather and others) 非金属部分 (纺织品, 皮革和其他)			Textiles and others 纺织品和其他 : DIN EN 16711-1 (2016) (total content 总含量) Leather 皮革: ISO 17072-2 (2011) (total content 总含量)
	Traces 痕量: 40			
	Metal parts 金属部分			DIN EN 16711-1 (2016) (total content 总含量)
	Traces 痕量: 40			
Total Lead (Pb) 总铅	<b>Usage ban 禁用</b>			
	Textiles, plastics and leather 纺织品, 塑制品和皮革			Textiles and others 纺织品和其他 : DIN EN 16711-1 (2016) (total content 总含量) Leather 皮革: ISO 17072-2 (2011) (total content 总含量)
	Traces 痕量: 40			
	Metal parts 金属部分			DIN EN 16711-1 (2016) (total content 总含量)
	Traces 痕量: 90			

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com



SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Monomers 单体</b>				
Acrylamide (CAS 79-06-1) 丙烯酰胺	<b>Usage ban 禁用</b> 1.0			Textile 纺织品: Extraction with MeOH // LC-MS 甲醇萃取 // HPLC Plastic 塑料制品: 2-Step extraction with THF and MeOH // LC-MS 四氢呋喃和甲醇两步萃取法// LC-MS
<b>Other Chemical Substances 其他化学物质</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) 双酚A	<b>Usage ban for textile finishing</b> 禁用于纺织品后处理 检出限 DL: 1.0 辅料 Accessories: 50			Extraction with MeOH // ISO 18857-2 (2009) 甲醇萃取// ISO 18857-2 (2009)
Cresol, all isomers 甲酚及其异构体 (CAS 1319-77-3)	<b>Usage ban 禁用</b> 检出限 DL:10			Extraction with KOH // § 64 LFGB B 82.02-8 (2001) or DIN EN ISO 17070 (2015)  氢氧化钾萃取// § 64 LFGB B 82.02-8 (2001) 或 DIN EN ISO 17070 (2015)
m-Cresol (CAS 108-39-4) 间甲酚				
o-Cresol (CAS 95-48-7) 邻甲酚				
p-Cresol (CAS 106-44-5) 对甲酚				
Dimethylfumarate (CAS 624-49-7) 二甲基富马酸	<b>Usage ban 禁用</b> 检出限 DL: 0.1			ISO/TS 16186 (2012) // GC-MS
Formamide (CAS 75-12-7) 甲酰胺	<b>Usage ban 禁用</b>			Extraction with MeOH* // GC-MS 甲醇萃取*//GC-MS  *Cut the samples into small pieces (2x2mm) *测试样制备: 剪成2x2mm
	50	50	100	
Isoquinoline (CAS 119-65-3) 异喹啉	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 甲醇或四氢呋喃萃取// LC-MS/MS 或LC-DAD

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
o-Phenylphenol (CAS 90-43-7) 邻苯基苯酚	For textiles 纺织品:			Extraction with KOH 氢氧化钾 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-苯基异丙醇	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 甲醇或四氢呋喃萃取 // LC-MS/MS 或 LC-DAD
<b>Ozone Depleting Substances</b> 臭氧消耗物质 listed in Appendix O 详见附录 O	<b>Usage ban 禁用</b> for direct use in manufacturing of articles 禁止直接用于生产 检出限 DL: 0.1			Headspace GC-MS 顶空进样 GC-MS
<b>Pesticides</b> 杀虫剂 listed in Appendix P 详见附录 P	<b>Usage ban 禁用</b> 0.5 applies to sum of pesticides 各杀虫剂总和 不得超过 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 详见附录 Q	<b>Usage ban 禁用</b> 50			ISO 14389 (2014)
<b>Polyaromatic Hydrocarbons</b> 多环芳香烃 (PAHs) Listed in Appendix R 详见附录 R	<b>Usage ban 禁用</b>			EPA 8310 EPA 8270D EPA 8275A  AfPS GS 2014:01
	Sum of all PAHs 所有 PAHs 总和: 10			
	Benzo(a)pyrene 苯并(a)芘: 0.2			
	PAHs marked with (*) 标有 (*) 的 PAHs:			
	0.5	1.0	1.0	

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Polymers 高分子聚合物</b>				
Polyvinyl chloride (PVC) 聚氯乙烯 (CAS 9002-86-2)	<b>Usage ban for A and B</b> <b>A类和B类禁用</b> Not detected 不得检出			Beilstein test* // FTIR 贝尔斯登试验* // FTIR  *FTIR measurement only if result of Beilstein test was positive *如贝尔斯登试验显阳性, 进行FTIR检测
<b>Solvents 溶剂</b>				
Benzene (CAS 71-43-2) 苯	<b>Usage ban 禁用</b> 检出限 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> 检出限 DL: 1.0			Headspace GC-MS 顶空进样GC-MS
Dichloromethane (CAS 75-09-2) 二氯甲烷	<b>Usage ban 禁用</b> 检出限 DL: 5.0			Headspace GC-MS 顶空进样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) 二甲基乙酰胺 (CAS 127-19-5)	<b>Usage ban with exception of fiber manufacturing</b> 除纤维生产外禁用 检出限 DL: 5.0			CEN ISO/TS 16189 (2013)
	Limits for fiber manufacturing (residual fiber solvent) 纤维上残留限值:			
	10	50	50	

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
N,N-Dimethylformamide (DMF) 二甲基甲酰胺 (CAS 68-12-2)	<b>Usage ban with exception of solvent coating, laminating, fiber manufacturing</b> 除溶剂涂层、贴合和纤维生产外禁用 检出限 DL: 5.0			CEN ISO/TS 16189 (2013)
	For solvent coating, laminating, fiber manufacturing 溶剂涂层、贴合和纤维生产:			
	50			
Tetrachloroethylene (Perchloroethylene) 四氯乙烯 (CAS 127-18-4)	<b>Usage ban 禁用</b> 检出限 DL: 1.0			Headspace GC-MS 顶空进样 GC-MS
Toluene 甲苯 (CAS 108-88-3)	10	50	50	Headspace GC-MS 顶空进样 GC-MS
Trichloroethylene (CAS 79-01-6) 三氯乙烯	<b>Usage ban 禁用</b> 检出限 DL: 5.0			Headspace GC-MS 顶空进样 GC-MS
Xylene, all isomers 二甲苯及异构体 (CAS 1330-20-7)	<b>Usage ban in textile finishing</b> 禁用于纺织品后整理 检出限 DL: 1.0			Headspace GC-MS 顶空进样 GC-MS
m-Xylene (CAS 108-38-3) 间二甲苯	Non-textile articles 非纺织品 Traces 痕量: 1.0			
o-Xylene (CAS 95-47-6) 邻二甲苯				
p-Xylene (CAS 106-42-3) 对二甲苯				

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>Tin organic compounds</b> 有机锡化合物	<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	检出限 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	检出限 DL:0.5			
Tripropyltin compounds (TPT) 三丙基锡化合物	检出限 DL:0.5			
Tributyltin compounds (TBT) 三丁基锡化合物	检出限 DL:0.5			
Triphenyltin compounds (TPhT) 三苯基锡化合物	检出限 DL:0.5			
Triocetyl tin compounds (TOT) 三辛基锡化合物	检出限 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	检出限 DL:0.5			
Tetraoctyltin compounds (TeOT) 四正辛基锡化合物	检出限 DL:0.5			
Tricyclohexyltin compounds (TCyHT) 三环己基锡化合物	检出限 DL:0.5			

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

SUBSTANCE 物质	LIMIT 限值 [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD 推荐样品制备//测试方法
	A	B	C	
<b>UV stabilizers 紫外线稳定剂</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				

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

# Appendices 附录

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

<b>Appendix B: Arylamines (and corresponding salts)</b> 附录 B: 芳香胺及其盐	<b>CAS – No.</b>
p-Aminoazobenzene 对氨基偶氮苯	60-09-3
o-Aminoazotoluene 邻氨基偶氮甲苯	97-56-3
4-Aminobiphenyl 4-氨基联苯	92-67-1
2-Amino-4-nitrotoluene 2-氨基-4-硝基甲苯	99-55-8
2-Anisidine 邻氨基苯甲醚	90-04-0
Benzidine 联苯胺	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-氯邻甲苯胺盐酸盐	3165-93-3
p-Cresidine 对甲酚啶	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'-二氯联苯胺	91-94-1
3,3'-Dimethoxybenzidine 3,3'-二甲氧基联苯胺	119-90-4
3,3'-Dimethylbenzidine 3,3'-二甲基联苯胺	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 2,4-二氨基苯甲醚硫酸盐	39156-41-7
4,4'-Methylenebis-(2-chloroaniline) 4,4'-亚甲双(2-氯苯胺)	101-14-4
2-Naphthylamine 2-萘胺	91-59-8
2-Naphthylammoniumacetate 2-萘基醋酸铵	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 邻甲苯胺	95-53-4
2,4,5-Trimethylaniline 2,4,5-三甲基苯胺	137-17-7
2,4,5-Trimethylaniline hydrochloride 2,4,5-三甲基苯胺盐酸盐	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

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix C: Asbestos 石棉</b>	<b>CAS – No.</b>
Actinolite 阳起石	77536-66-4
Amosite 铁石棉	12172-73-5
Anthophyllite 直闪石	77536-67-5
Chrysotile 温石棉	12001-29-5
Crocidolite 青石棉	12001-28-4
Tremolite 透闪石	77536-68-6

<b>Appendix D: Chlorinated Benzenes and Toluenes</b>	<b>CAS – No.</b>
附录 D: 氯代苯和氯代甲苯类	
Monochlorobenzene 一氯苯	108-90-7
Dichlorobenzenes, all isomers 二氯苯,及其异构体	Several 多个
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,及其异构体	Several 多个
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,及其异构体	Several 多个
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,及其异构体	Several 多个
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,及其异构体	Several 多个
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,及其异构体	Several
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

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com



<b>Appendix D: Chlorinated Benzenes and Toluenes</b> 附录 D: 氯代苯和氯代甲苯类	<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, 及其异构体	Several 多个
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> 附录 E: 氯代苯酚	<b>CAS – No.</b>
Monochlorophenols 一氯苯酚	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
Dichlorophenols 二氯苯酚	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
Trichlorophenols 三氯苯酚	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
Tetrachlorophenols 四氯苯酚	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
Pentachlorophenols 五氯苯酚	87-86-5

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix F: Colorants with carcinogenic potential</b> 附录 F: 可致癌着色剂	<b>CAS – No.</b>
Acid Red 26 酸性红 26	3761-53-3
Acid Red 114 酸性红 114	6459-94-5
<b>Basic Green 4 碱性绿 4</b>	<b>Several 多个</b>
Malachit green 孔雀石绿	10309-95-2
Malachit green chloride 孔雀石绿盐酸物	569-64-2
Malachit green oxalate 孔雀石绿草酸盐	2437-29-8
Basic Red 9 碱性红 9	569-61-9
Basic Violet 14 碱性紫 14	632-99-5
Direct Black 38 直接黑 38	1937-37-7
Direct Blue 6 直接蓝 6	2602-46-2
Direct Blue 15 直接蓝 15	2429-74-5
Direct Brown 95 直接棕 95	16071-86-6
Direct Red 28 直接红 28	573-58-0
Disperse Blue 1 分散蓝 1	2475-45-8
Disperse Orange 11 分散橙 11	82-28-0
Disperse Yellow 3 分散黄 3	2832-40-8
Pigment Black 25 颜料黑 25	68186-89-0
Pigment Yellow 34 颜料黄 34	1344-37-2
Pigment Yellow 157 颜料黄 157	68610-24-2
Pigment Red 104 颜料红 104	12656-85-8

<b>Appendix G: Colorants with allergenic potential</b> 附录 G: 可致敏着色剂	<b>CAS – No.</b>
Disperse Blue 3 分散蓝 3	2475-46-9
Disperse Blue 7 分散蓝 7	3179-90-6
Disperse Blue 26 分散蓝 26	3860-63-7
Disperse Blue 35 分散蓝 35	12222-75-2 56524-77-7
Disperse Blue 102 分散蓝 102	12222-97-8
Disperse Blue 106 分散蓝 106	12223-01-7
Disperse Blue 124 分散蓝 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 分散红 1	2872-52-8
Disperse Red 11 分散红 11	2872-48-2
Disperse Red 17 分散红 17	3179-89-3
Disperse Yellow 1 分散黄 1	119-15-3
Disperse Yellow 9 分散黄 9	6373-73-5

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix G: Colorants with allergenic potential (continued)</b> 附录 G: 可致敏着色剂	<b>CAS – No.</b>
Disperse Yellow 39 分散黄 39	12236-29-2
Disperse Yellow 49 分散黄 49	54824-37-2

<b>Appendix H: Colorants banned for other reasons</b> 附录 H: 其他禁用着色剂	<b>CAS – No.</b>
Basic Blue 26 碱性蓝 26	2580-56-5
Basic Violet 3 碱性紫 3	548-62-9 603-48-5 14426-25-6
Direct Yellow 1 直接黄 1	6472-91-9
Disperse Yellow 23 分散黄 23	6250-23-3
Disperse Orange 149 分散橙 149	85136-74-9
Navy Blue 海军蓝 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

<b>Appendix I: Dioxins and Furans</b> 附录 I: 戴奥辛和呋喃	<b>CAS – No.</b>
<b>Group 1 组别 1:</b>	<b>Several 多个</b>
2,3,7,8-Tetrachlorodibenzo-p-dioxin 2,3,7,8-四氯二苯并对戴奥辛	1746-01-6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin 1,2,3,7,8-五氯二苯并对戴奥辛	40321-76-4
2,3,7,8-Tetrachlorodibenzofuran 2,3,7,8-四氯二苯并呋喃	51207-31-9
2,3,4,7,8-Pentachlorodibenzofuran 2,3,4,7,8-五氯二苯并呋喃	57117-31-4
<b>Group 2 组别 2:</b>	<b>Several 多个</b>
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,4,7,8-六氯二苯并对戴奥辛	39227-28-6
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,6,7,8-六氯二苯并对戴奥辛	57653-85-7
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin 1,2,3,7,8,9-六氯二苯并对戴奥辛	19408-74-3
1,2,3,7,8-Pentachlorodibenzofuran 1,2,3,7,8-五氯代二苯并呋喃	57117-41-6
1,2,3,4,7,8-Hexachlorodibenzofuran 1,2,3,4,7,8-六氯代二苯并呋喃	70648-26-9
1,2,3,6,7,8-Hexachlorodibenzofuran 1,2,3,6,7,8-六氯代二苯并呋喃	57117-44-9
1,2,3,7,8,9-Hexachlorodibenzofuran 1,2,3,7,8,9-六氯代二苯并呋喃	72918-21-9

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix I: Dioxins and Furans (continued)</b> 附录 I: 戴奥辛和呋喃 (继续)	<b>CAS – No.</b>
2,3,4,6,7,8-Hexachlorodibenzofuran 2,3,4,6,7,8-六氯代二苯并呋喃	60851-34-5
<b>Group 3 组别 3:</b>	<b>Several 多个</b>
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin 1,2,3,4,6,7,8-七氯代二苯并对戴奥辛	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并对戴奥辛	3268-87-9
1,2,3,4,6,7,8-Heptachlorodibenzofuran 1,2,3,4,6,7,8-七氯代二苯并呋喃	67562-39-4
1,2,3,4,7,8,9-Heptachlorodibenzofuran 1,2,3,4,7,8,9-七氯代二苯并呋喃	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并呋喃	39001-02-0
<b>Group 4 组别 4:</b>	<b>Several 多个</b>
2,3,7,8-Tetrabromodibenzo-p-dioxin 2,3,7,8-四溴二苯并对戴奥辛	50585-41-6
1,2,3,7,8-Pentabromodibenzo-p-dioxin 1,2,3,7,8-五溴二苯并对戴奥辛	109333-34-8
2,3,7,8-Tetrabromodibenzofuran 2,3,7,8-四溴二苯并呋喃	67733-57-7
2,3,4,7,8-Pentabromodibenzofuran 2,3,4,7,8-五溴二苯并呋喃	131166-92-2
<b>Group 5 组别 5:</b>	<b>Several 多个</b>
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin 1,2,3,4,7,8-六溴二苯并对戴奥辛	110999-44-5
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin 1,2,3,6,7,8-六溴二苯并对戴奥辛	110999-45-6
1,2,3,7,8,9-Hexabromodibenzo-p-dioxin 1,2,3,7,8,9-六溴二苯并对戴奥辛	110999-46-7
1,2,3,7,8-Pentabromodibenzofuran 1,2,3,7,8-五溴二苯并呋喃	107555-93-1

<b>Appendix J: Flame retardants</b> 附录 J: 阻燃剂	<b>CAS – No.</b>
2,2-Bis(bromomethyl)-1,3-propanediol 2,2-双(溴甲基)-1,3-丙二醇 (BBMP)	3296-90-0
Bis(2,3-dibromopropyl)phosphate 双(2,3-二溴丙基)磷酸盐 (BDBPP)	5412-25-9
Chlorinated paraffins, all chain lengths 氯化石蜡, 所有链长	Several 多个
Paraffin wax, chlorinated 氯化石蜡	63449-39-8
Paraffin, C <sub>10</sub> -C <sub>13</sub> , chlorinated (SCCP) 短链氯化石蜡, C <sub>10</sub> -C <sub>13</sub>	85535-84-8
Paraffin, C <sub>14</sub> -C <sub>17</sub> , chlorinated (MCCP) 中链氯化石蜡, C <sub>14</sub> -C <sub>17</sub>	85535-85-9
Paraffin, C <sub>18</sub> -C <sub>28</sub> , chlorinated (LCCP) 长链氯化石蜡, C <sub>18</sub> -C <sub>28</sub>	85535-86-0

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix J: Flame retardants</b> 附录 J: 阻燃剂	<b>CAS – No.</b>
Hexabromocyclododecan (HBCDD) 六溴环十二烷及其异构体(HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
Polybrominated diphenyl ethers (PBDE) 多溴联苯醚	Several 多个
Tetrabromodiphenyl ether (TetraBDE) 四溴联苯醚	40088-47-9
Pentabromodiphenyl ether (PentaBDE) 五溴联苯醚	32534-81-9
Hexabromodiphenyl ether (HexaBDE) 六溴联苯醚	36483-60-0
Heptabromodiphenyl ether (HeptaBDE) 七溴联苯醚	68928-80-3
Octabromodiphenyl ether (OctaBDE) 八溴联苯醚	32536-52-0
Nonabromodiphenyl ether (NonaBDE) 九溴联苯醚	63936-56-1
Decabromodiphenyl ether (DecaBDE) 十溴联苯醚	1163-19-5
Tetrabromobisphenol A 四溴双酚 A	79-94-7
Tetrabromobisphenol A bis(2,3-dibromopropylether) 四溴双酚 A 双(2,3-二溴丙基醚)	21850-44-2
Tri(aziridin-1-yl)phosphine oxide Triethylenephosphoramidate (TEPA) 三亚乙基磷酰胺	545-55-1
Trimethyl phosphate 磷酸三甲酯	512-56-1
Tri-o-cresyl phosphate 磷酸三邻甲苯酯	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

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix K: Fluorinated Greenhouse Gases</b> 附录 K: 含氟温室气体	<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 全氟环己烷	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 - CHF2CHFCF3 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, Napthalenes</b> 附录 L: 卤代联苯, 卤代三联苯和卤代萘	<b>CAS – No.</b>
Polybrominated biphenyls (PBBs) 多溴联苯	Several 多个
Polychlorinated biphenyls (PCBs) 多氯联苯	Several 多个
Polychlorinated terphenyls (PCTs) 多氯三联苯	Several 多个
Polybrominated terphenyls (PBTs) 多溴三联苯	Several 多个
Polychlorinated naphthalenes (PCNs) 多氯化萘	Several 多个
Polybrominated naphthalenes (PBNs) 多溴化萘	Several 多个

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>Appendix M: Halogenated Diarylalkanes</b> 附录 M: 卤代双环烷类	<b>CAS - No.</b>
Monomethyl-dibromo-diphenyl methane 单甲基-二溴-二苯基甲烷	99688-47-8
Monomethyl-dichloro-diphenyl methane 单甲基-二氯-二苯基甲烷	81161-70-8
Monomethyl-tetrachloro-diphenyl methane 单甲基-四氯-二苯基甲烷	76253-60-6

<b>Appendix N: Isocyanates</b> 附录 N: 异氰酸酯	<b>CAS - No.</b>
1,3-bis(isocyanatomethyl)benzene (HDI) 间苯二甲基异氰酸酯	3634-83-1
Diphenylmethane-4,4'-diisocyanate (MDI) 二苯基甲烷-4,4'-二异氰酸酯	101-68-8
Hexamethylene diisocyanate (HMDI) 己二异氰酸酯	822-06-0
Isophorone diisocyanate (IPDI) 异佛尔酮二异氰酸酯	4098-71-9
Tetramethylxylene diisocyanate (TMXDI) 四甲基二甲苯二异氰酸酯	2778-42-9
Toluene-2,4-diisocyanate (2,4-TDI) 甲苯-2,4-二异氰酸酯	584-84-9
Toluene-2,6-diisocyanate (2,6-TDI) 甲苯-2,6-二异氰酸酯	91-08-7

<b>Appendix O: Ozone Depleting Substances</b> 附录 O: 臭氧消耗物质	<b>CAS - No.</b>
<b>Ozone-depleting substances (CFC's) class I</b> 臭氧消耗物质 第 1 类	<b>Several 多个</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 哈龙-1211	353-59-3
Bromotrifluoromethane Halon-1301 三氟一溴甲烷 哈龙-1301	75-63-8
Dibromotetrafluoroethane Halon-2402 二溴四氟乙烷 哈龙-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

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com



<b>Ozone-depleting substances (CFC's) class I (continued)</b> 臭氧消耗物质 第 1 类 (继续)	<b>Several 多个</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
C2H2FBr4 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
C3HFBr6 六溴一氟丙烷	-
C3HF2Br5 五溴二氟丙烷	-
<b>Ozone-depleting substances (CFC's) class I (continued)</b>	<b>Several 多个</b>

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com



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> 臭氧消耗物质第 II 类	<b>Several 多个</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
<b>Ozone-depleting substances (CFC's) class II (continued)</b>	<b>Several 多个</b>

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

臭氧消耗物质第 II 类	
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

Appendix P: Pesticides	CAS – No.
Acetamiprid 啉虫脒	135410-20-7 160430-64-8
Aldrine 艾氏剂	309-00-2
Azinphos methyl 甲基谷硫磷(保棉磷)	86-50-0
Azinphos ethyl 乙基谷硫磷(益棉磷)	2642-71-9
Bromophos-ethyl 乙基溴硫磷	4824-78-6
Captafol 敌菌丹	2425-06-1
Carbaryl 胺甲萘	63-25-2
Chlorobenzilate 克氯苯	510-15-6
Appendix P: Pesticides (continued)	CAS – No.

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写，为便于理解翻译为中文。如中英文不一致时，以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

附录 P:杀虫剂 (继续)	
Chlordane 氯丹	57-74-9
Chlordecone 十氯酮	143-50-0
Chlordimeform 克死螨	6164-98-3
Chlorfenvinphos 毒虫畏	470-90-6
Clothianidin 噻虫胺	210880-92-5
Coumaphos 蝇毒磷	56-72-4
Cyfluthrin 氟氯氰菊酯	68359-37-5
Cyhalothrin, $\lambda$ -三氟氯氰菊酯	91465-08-6
Cypermethrin 氯氰菊酯	52315-07-8
Deltamethrin 溴氰菊酯	52918-63-5
Diazinon 二嗪农	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-双(对氯苯基)-1,1-二氯乙烷	72-54-8
o,p'-Dichlorodiphenyldichloroethylene (o,p'-DDE) 3-邻氯苯基-2-对氯苯基-1,1-二氯乙烯	3424-82-6
p,p'-Dichlorodiphenyldichloroethylene (p,p'-DDE) 2,2-双(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-邻氯苯基-2-对氯苯基-1,1,1-三氯乙烷及其异构体;制备时含有 DDT 及其异构体	789-02-6
p,p'-Dichlorodiphenyltrichloroethane (p,p'-DDT) and its isomers; preparations containing DDT and its isomers 1,1-双(4-氯苯基)2,2,2-三氯乙烷及其异构体;制备时含 DDT 及其异构体	50-29-3
2,4-Dichlorophenoxyacetic acid, its salts and compounds 2,4-二氯苯氧基乙酸,及其盐和化合物	94-75-7
Dichlorprop 2,4-滴丙酸	120-36-2
Dicrotophos 百治磷	141-66-2
Dieldrine 狄氏剂	60-57-1
Dimethoate 乐果	60-51-5
Dinoseb and salts 地乐酚及其盐	88-85-7
Dinotefuran 呋虫胺	165252-70-0
Endosulfan, alpha $\alpha$ -硫丹	959-98-8
Endosulfan, beta $\beta$ -硫丹	33213-65-9
Endrine 异狄氏剂	72-20-8
Esfenvalerate 高氰戊菊酯	66230-04-4
Ethion 乙硫磷	51630-58-1
Heptachlor 七氯	76-44-8
Heptachlor epoxide 环氧七氯	1024-57-3
Hexachlorocyclohexane (HCH), all isomers 六氯环己烷及其同分异构体	608-73-1
Imidacloprid 吡虫啉	105827-78-9 138261-41-3
<b>Appendix P: Pesticides (continued)</b>	<b>CAS – No.</b>

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

<b>附录 P: 杀虫剂 (继续)</b>	
Isodrin 异艾氏剂	465-73-6
Kelevane 克来范	4234-79-1
Lindane 林丹	58-89-9
Malathion 马拉松(有机磷杀虫剂)	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 甲胺磷	10265-92-6
Methoxychlor 甲氧滴滴涕	72-43-5
Methyl parathion 甲基对硫磷	298-00-0
Mevinophos 速灭磷	7786-34-7
Mirex 灭蚁灵	2385-85-5
Monocrotophos 久效磷	6923-22-4
Nitenpyram 烯啶虫胺	150824-47-8 120738-89-8
Ethyl parathion 乙基对硫磷	56-38-2
Perthane 乙滴滴	72-56-0
Phosphamidon 磷胺	13171-21-6
Profenophos 丙溴磷	41198-08-7
Propetamphos 胺丙畏	31218-83-4
Quinalphos 喹硫磷	13593-03-8
Strobane 毒杀芬	8001-50-1
Telodrin 碳氯灵	297-78-9
Tiacloprid 噻虫啉	111988-49-9
Thiamethoxam 噻虫嗪	153719-23-4
Toxaphene 八氯茨烯	8001-35-2
Tribufos (DEF) 脱叶磷	78-48-8
2,4,5-Trichlorophenoxyacetic acid, salts and compounds 2,4,5-三氯苯氧基乙酸, 及其盐和化合物	93-76-5
Trifluralin 氟乐灵	1582-09-8

<b>Appendix Q: Plasticizer</b> 附录 Q: 塑化剂	<b>CAS - No.</b>
Bis-(2-methoxyethyl) phthalate (DMEP) 邻苯二甲酸二甲氧乙酯	117-82-8
Butylbenzyl phthalate (BBP) 邻苯二甲酸丁苄酯	85-68-7
Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯	84-74-2
Di-cyclohexyl phthalate (DCHP) 邻苯二甲酸二环己酯	84-61-7
Diethylhexyl phthalate (DEHP) 邻苯二甲酸二辛酯	117-81-7
Diethyl phthalate (DEP) 邻苯二甲酸二乙酯	84-66-2
Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯	84-69-5
Diisodecyl phthalate (DIDP) 邻苯二甲酸二异癸酯	26761-40-0 68515-49-1
<b>Appendix Q: Plasticizer (continued)</b>	<b>CAS - No.</b>

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com

附录 Q: 塑化剂 (继续)	
Diisononyl phthalate (DINP) 邻苯二甲酸二异壬酯	28553-12-0 68515-48-0
Di-isooctyl phthalate (DIOP) 邻苯二甲酸二异辛酯	27554-26-3
Di-iso-pentyl phthalate (DIPP) 邻苯二甲酸二异戊酯	605-50-5
Dimethyl phthalate (DMP) 邻苯二甲酸二甲酯	131-11-3
Di-n-hexyl phthalate (DNHP) 邻苯二甲酸二己酯	84-75-3
Di-n-octyl phthalate (DNOP) 邻苯二甲酸二辛酯	117-84-0
Dinonyl phthalate (DNP) 邻苯二甲酸二壬酯	84-76-4
Di-n-pentyl phthalate (DnPP) 邻苯二甲酸二戊酯	131-18-0
Di-n-propyl phthalate (DPRP) 邻苯二甲酸二丙酯	131-16-8
n-Pentyl-isopentyl phthalate 正戊基异戊基邻苯二甲酸酯	776297-69-9
1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP) 邻苯二甲酸二异庚酯	71888-89-6
1,2-Benzenedicarboxylic acid, benzyl C <sub>7-9</sub> -branched and linear alkyl esters 邻苯二甲酸苄(C <sub>7-9</sub> 支链与直链)烷基酯	68515-40-2
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP) 邻苯二甲酸二(C <sub>7-11</sub> 支链与直链)烷基酯	68515-42-4
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear 邻苯二甲酸戊基异戊酯, 支链与直链	84777-06-0
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear 邻苯二甲酸戊基异己酯, 支链与直链	68515-50-4

Appendix R: Polyaromatic Hydrocarbons (PAHs) 附录 R: 多环芳香烃	CAS - No.
Acenaphtylene 萘烯	208-96-8
Acenaphthene 萘	83-32-9
Anthracene 蒽	120-12-7
Benzo(a)anthracene* 1,2-苯并蒽	56-55-3
Benzo(b)fluoranthene* 苯并(b)荧蒽	205-99-2
Benzo(j)fluoranthene* 苯并(j)荧蒽	205-82-3
Benzo(k)fluoranthene* 苯并(k)荧蒽	207-08-9
Benzo(ghi)perylene 苯并(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-苯并菲	218-01-9
Dibenzo(a,h)anthracene* 二苯蒽	53-70-3
Fluoranthene 荧蒽	206-44-0
Fluorene 芴	86-73-7
Indeno(1,2,3-cd)pyrene 茚并(1,2,3-cd)芘	193-39-5
Naphthalene 萘	91-20-3
Phenanthrene 菲	85-01-8
Pyrene 芘	129-00-0

This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本文为英文编写, 为便于理解翻译为中文。如中英文不一致时, 以英文文本为准。

bluesign® RSL 限用物质清单 | v10.0 | September 15, 2019

© bluesign technologies ag | www.bluesign.com