

bluesign® Restricted Substances List (RSL) Consumer Safety Limits

bluesign® 限用物质清单 (RSL) 消费者安全限值

14.0 版 | 2023 年 7 月 1 日



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1 Introduction 前言

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 BSSL (bluesign® system substances list, 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。

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2 Definitions 定义

2.1 Accessory 辅料

A component of a consumer product which is not classified as 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)

2.2 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)。

2.3 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。

2.4 CAS Number 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。

2.5 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。

2.6 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。

2.7 Limit value 限值

Limit values are defined for single substances or substance groups. The limit value is the maximum amount of a chemical substance or substance group permitted in articles for the usage ranges A, B and C.

对单个物质或者物质组别定义的限值。其限值为在使用类别 A、B 和 C 对应的消费用品里化学物质的最大允许含量。

2.7.1 Detection limit (DL) 检出限 (DL)

The lowest quantity of a substance that can be distinguished from the absence of that substance with a stated confidence level.

是指在有一定置信水平的分析方法下能够检测出样品中待测物质的最低量。

2.7.2 Quantification limit (QL) 定量限 (QL)

The lowest analyte concentration, that can be quantitatively detected with a stated accuracy and precision.

可以以规定的准确度和精准度进行定检测量的最低分析物浓度。

2.7.3 Limitation 限用

For several substances or substance groups a limitation is defined. For these substances or substance group a usage ban is not given but only a consumer safety limit.

对于许多物质或物质组别定义了限用值。对于这些物质或物质组别未被禁用，仅规定出消费者安全限值。

2.8 Member 组别成员

This term describes a member of a group of restricted substances. It can be a chemical substance or a subgroup of substances. See also chapter 2.13.

该术语表示受限物质组别中的成员。它可以是单个化学物质或化学物质的子组别。另请查看 2.13 章节。

2.9 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。

2.10 Monitoring 监控

For some chemical substances toxicological and/or ecological properties are not yet well defined. Therefore, the risk assessment is not complete. For some substances sufficient information on possible/typical contamination of articles and chemical products is not available now. Those substances are under observation. Exact restrictions will be defined as soon as more information exists. In cases where monitoring status is accompanied by a limit value, the limit value should be the goal.

对于某些化学物质，其毒理学特性和/或生态学特性仍未被人们完全所知，因此对它们的风险评估并不是完整的。某些化学物质在现阶段尚未有充分关于在制品或化学品上的潜在/特定交叉污染等信息，因此这些物质有待持续观察。一旦有更多数据，将会立即制定准确的限用规定。若该物质同时在监控状态及限值并存的情况下，应将执行并符合限值要求作为目标。

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2.11 Sector of Use 适用范围

Bluesign® ASSESSMENT for chemical products defines sector of use categories. BLUESIGN uses an approach similar to REACH for the risk-based evaluation of chemical substances and transfers this to the evaluation of chemical products. This allows a product, process and industry specific assessment of risks to human and the environment, that can be adapted to all kind of industries. Some sectors of use are combined to groups as shown in the following table:

化学产品的 bluesign® ASSESSMENT 定义了适用范围的范畴。Bluesign 在化学产品的风险评估中采用一种类似 REACH 对化学物质进行基于风险的评估方法。该方法可针对特定产品、工艺和行业进行各别对环境和人的风险评估，并可延伸调整适用于任何行业。以下列表将部分适用类别合并显示：

Sector of Use Group 适用范围大类	Sector of Use 适用范围	
Textiles 纺织品	Fibers/yarns	纤维/纱线
	Textile articles including fabrics, laminates and non-wovens	纺织制品包括面料，贴合面料以及无纺布
	Garments and other finished textile articles	成衣及其他纺织制品
Down/feather 羽绒	Down and feather articles	羽绒制品
Leather 皮革	Leather articles	皮革制品
Polymer parts 聚合物部件	Plastic articles	塑胶制品
	Rubber articles	橡胶制品
Metal parts 金属部件	Basic metals, including alloys	基体金属，包括合金
	Fabricated metal articles	加工金属制品

2.12 Several 多个

When a substance group is not defined by a single CAS number, the field CAS Number contains the entry "Several". In case of a restriction of the whole substance group this is reflected by a limit entry for the group or a corresponding comment. For substance groups, especially for large groups, some or all members are listed in the annex. When group members are listed in the annex, this is indicated in the comment for the group.

如果一个物质组别不是由单个 CAS 号定义，则会在 CAS 化学品文摘号栏目中显示为“Several 多个”。如有对整个物质组别限制使用，则会显示整个组别的总和限制值或提供相关注释。对于物质组别，尤其是大型的组别而言，附录中会列出该组别部分或全部的组别成员。当组别成员详列于附录时，将会在组别的备注栏中注释。

2.13 Substance groups 物质组别

For better readability and to show the hierarchy of substance groups the RSL lists:

为便于阅读和显示各个物质组间的层级关系 RSL 清单用以下不同字体区分：

- Main substance group (**bold, normal letter**)
- Substance group (**bold, italic letter**)
- Substance subgroup (*italic letter*)
- Single substances (normal letter)
- 主物质组别 (**粗体, 正常字体**)
- 物质组别 (**粗体, 斜体**)
- 物质子组别 (*斜体*)
- 单个物质 (正常字体)

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2.14 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 workers, 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，不得刻意用于生产制品中。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。禁用的目的是通过预防措施阻止有害物质对生产工人、环境的影响和避免残留在制品内。

2.15 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

Annex II lists common consumer goods and allocates usage ranges.

附录 II 列出常见消费用品及其对应的使用类别。

3 Scope and validity 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 and accessories made for different sectors of use (like textile and leather); see chapter 2.11.
不同适用范围的制品和辅料 (如面料和皮革) ; 详见 2.11 章节

3.1 Scope 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用规定。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。

3.2 Validity 有效性

This document comes into effect from July 1, 2023.

It replaces the Template bluesign® RESTRICTED SUBSTANCES LIST (RSL) Consumer safety limits, version 13.0 from July 1, 2022.

本文件自 2023 年 07 月 01 日生效执行, 同时取代 2022 年 07 月 1 日第 13.0 版本。

For all bluesign® SYSTEM PARTNERS the implementation of the revised sections, unless stated otherwise, shall take place by July 1, 2024 at the latest. This document is revised annually and in line with the latest legislation and research and supported by opinions of the bluesign® SYSTEM PARTNER experts.
所有 bluesign® SYSTEM PARTNERS 應不遲於 2024 年 07 月 01 日執行增改的章節。

本文件根據最新的法規研究及 bluesign® 系統合作伙伴專家的反饋每年更新一次。

3.3 Articles from recycled material 源自回收材料的制品

Textile recycling is an important factor for sustainability, but often a black box regarding the mix of (restricted) chemicals inside.

Instructions regarding the use of recycled materials are given in our guidance documents, the "Guidance sheet Input stream management of non chemical raw materials/intermediates at manufacturers" and the "Guideline Input Stream Management at Manufacturers". To enable bluesign® APPROVED articles from recycled materials, bluesign reserves the right to accept in exceptional cases higher limits than given in this document under the precondition of legal compliance, consumer safety and proper input stream management.

回收纺织品是可持续发展中重要的一环, 但对于其中所混合的(受限)化学品通常是一个黑匣子。

有关回收材料使用的说明可在我们的指导文件“制造商非化学原材料/中间体输入流管理的指引文件”和“制造商的输入流管理指南”中查阅。为了使 bluesign® APPROVED 制品可从回收材料制成, 在遵守法律、消费者安全和适当的输入流管理的前提下, bluesign 保留在特殊情况下接受高于本文件中规定的限制的权利。

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3.4 PFAS chemistry PFAS 化学物质

- Since July 2022 no new registration of PFAS based chemical products in bluesign® FINDER.
自 2022 年 7 月以来, bluesign® FINDER 中没有新注册基于 PFAS 的化学产品。
- Since July 2023 all PFAS based chemicals have been phased out from bluesign® FINDER.
自 2023 年 7 月起, 所有基于 PFAS 的化学产品已从 bluesign® FINDER 中逐步淘汰。
- Since July 2023 no new registration of articles finished with PFAS based chemicals in the bluesign® GUIDE.
自 2023 年 7 月起, 不再有新的使用 PFAS 化学产品制成的制品注册。
- From July 2024 all articles finished with PFAS chemistry will be phased out from the bluesign® GUIDE.
从 2024 年 7 月起, 所有使用含有 PFAS 化学产品后处理的制品都将从 bluesign® GUIDE 中逐步淘汰。
- Exceptions might be possible, for more details see "Guidance Sheet PFAS phase out".
可能存在例外情况, 有关更多详细信息, 请参阅 "PFAS 逐步淘汰指引文件"。

Analytical proof that PFAS chemicals are not included:

At first screening test for total Fluorine via combustion ion chromatography (EN14582 or ASTM 07359; Quantification Limit: 50 mg/kg).

Followed by confirmatory testing on single substances in case of findings (requires information from the supply chain on possible fluorine compounds).

分析证明不包含 PFAS 化学品:

以燃烧离子色谱法 (EN14582 或 ASTM 07359; 定量限: 50 mg/kg) 对总氟进行首次筛选测试。

随后对单一物质进行验证性测试, 以防发现问题 (需要供应链提供有关可能的氟化合物的信息)

Regarding the definition of PFAS, bluesign follows the EU restriction proposal with the title "Per- and polyfluoroalkyl substances (PFAS)":

关于 PFAS 的定义, 我们将遵循欧盟的限制提案, 为“全氟烷基物质和多氟烷基物质 (PFAS)”:

Any substance that contains at least one fully fluorinated methyl (CF₃-) or methylene (-CF₂-) carbon atom (without any H/Cl/Br/I attached to it).
任何含有至少一个完全氟化的甲基 (CF₃-) 或亚甲基 (-CF₂-) 碳原子 (不含任何 H/Cl/Br/I) 的物质。

A substance that only contains the following structural elements is excluded from the scope of the restriction:

CF₃-X or X-CF₂-X', where X = -OR or -NRR' and X' = methyl (-CH₃), methylene (-CH₂-), an aromatic group, a carbonyl group (-C(O)-), -OR'', -SR'' or -NR''R'''; and where R/R'/R''/R''' is a hydrogen (-H), methyl (-CH₃), methylene (-CH₂-), an aromatic group or a carbonyl group (-C(O)-).

仅包含以下结构元素的物质不属于限制范围:

CF₃-X 或 X-CF₂-X', 其中 X = -OR 或 -NRR' 且 X' = 甲基 (-CH₃)、亚甲基 (-CH₂-)、芳族基团、羰基 (-C(O)-)、-OR''、-SR'' 或 -NR''R''';

其中 R/R'/R''/R''' 为氢(-H)、甲基(-CH₃)、亚甲基(-CH₂-)、芳族基团或羰基(-C(O)-)。

This definition might also affect substances that do not fall into the typical application of water/oil/stain repellents. For the time being, as the EU general PFAS restriction is not yet in force and exceptions are not fixed, bluesign will focus in its phase out concept on PFAS substances that are used in water/oil/stain repellents. bluesign reserves the right to extend the restriction to other applications after expert judgement.

该定义还可能影响不属于防水/防油/防污剂典型应用的物质。目前, 由于欧盟对 PFAS 的一般限制尚未生效且例外情况也未确定, bluesign 将重点关注其逐步淘汰用于防水/防油/防污剂中的 PFAS 物质的概念。bluesign 保留在专家判断后将限制扩大到其他应用范围的权利。

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4 Testing methods 测试方法

The testing methods listed in the table in chapter 4 are the recommended ones. The testing methods column consists of two entries: test method, e.g. GC-MS, LC-MS // sample preparation, e.g. extraction, digestion, derivatization.

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.

If not stated otherwise all test methods shall define the total content of the substance in the article. High recovery rate and low uncertainty shall be obtained. Robustness of method shall be given. Details of the respective sample preparation methods can be found in the table below:

推荐的测试方法均列于第 4 章的表格中。测试方法一栏包含两个内容：测试样品制备比如萃取、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。

如未另外说明，所有测试方法都应定义制品中物质的总含量。测试方法必须具有稳健性，必须有高回收率和低不确定性。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	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	12-15h 12-15 小时	Derivatization 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 water 去离子水萃取	Deionized water 去离子水			
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 Potassium carbonate solution 碳酸钾溶液萃取	Potassium carbonate solution 碳酸钾溶液	Room temp. 室温	60	Ultrasonic bath 超声波萃取
Extraction with THF/Acetone 四氢呋喃/丙酮萃取	Tetrahydrofuran/Acetone 四氢呋喃/丙酮	60	60	Ultrasonic bath, derivatization with Acetonitrile 超声波萃取, 乙腈衍生法
Extraction with Acetone 丙酮萃取	Acetone 丙酮	70	60	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

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5 Restricted parameters and substances 限用参数和物质

5.1 Restricted parameters 限用参数

Parameter 参数	Limit 限值	Test Method // 测试方法 Sample Preparation 样品制备
pH Value pH 值	Non-leather products: 4.0-7.5 非皮革产品	ISO 3071 (2020)
	Leather products: 3.2 – 4.5 (chrome tanned leather products) 3.5 – 7.9 (other leather products) 皮革产品: 3.2 – 4.5 (铬鞣皮革产品) 3.5 – 7.9 (其他皮革产品)	ISO 4045 (2018)
Odor 气味	No unpleasant odor shall be emitted from the products 产品不应产生异味	SNV 195 651
Color Fastness Properties 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)

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5.2 Restricted substances 限用物质

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Aldehydes 醛类									
Formaldehyde 甲醛	50-00-0	Leather 皮革	Usage ban 禁用	15	75	300	mg/kg	ISO 17226-2 (2019) with EN ISO 17226-1 (2021) confirmation method in case of interferences. 如有干扰, 以 EN ISO 17226 (2019) 和 EN ISO 17226-1 (2021) 方法确认	Test method: Alternatively, EN ISO 17226-1 (2021) can be used on its own. 测试方法: 或者可以单独使用 EN ISO 17226-1 (2021)
		Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物部件, 羽绒制品	Limitation 限用	15	75	300	mg/kg	ISO 14184-1 (2011)	

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Alkylphenoethoxylates (APEOs) 烷基酚聚氧乙烯醚									
Alkylphenoethoxylates (APEOs) 烷基酚聚氧乙烯醚	Several 多个	All 全部	Usage ban 禁用		100		mg/kg		For sum of all restricted APEO. Goal should be 100 mg/kg for APEOs + APs. Test methods: See NPEO. 所有受限 APEO 总和 APEOs + APs 总和目标应为 100mg/kg 测试方法: 见 NPEO
Nonylphenol ethoxylates (NPEO) 壬基酚聚氧乙烯醚	Several 多个	Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用		100		mg/kg	EN ISO 18254-1 (2016) with determination of APEO using LC/MS or LC/MS/MS EN ISO 18254-1:2016 使用 LC/MS 或 LC/MS/MS 测定 APEO	For sum of all allocated Members/Substances (if traces above 10 ppm are detected the source of contamination has to be identified and phased out) 所有对应组别成员/物质总和 (如检测出超过 10 的痕量, 必须排查污染源, 同时做出改进)
		Leather 皮革	Usage ban 禁用		100		mg/kg	Sample prep. and analysis using EN ISO 18218-1 (2015) with quantification according to EN ISO 18254-1 (2016) 根据 EN ISO 18218-1:2015 进行样品制备和分析, 并按照 EN ISO 18254-1:2016 进行量化	
Octylphenol ethoxylates (OPEO) 辛基酚聚氧乙烯醚	Several 多个	Textiles Metal parts Polymer parts Down/feather articles 纺织, 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用		100		mg/kg	See NPEO 详见 NPEO	
		Leather 皮革	Usage ban 禁用		100		mg/kg	See NPEO 详见 NPEO	

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method//测试方法 Sample Preparation 样品制备	Comment 备注
Alkylphenols (APs) 烷基酚									
Nonylphenol (NP), mixed isomers 壬基酚, 及其混合异构体	Several 多个	Textiles, Leather 纺织、皮革	Usage ban 禁用		10		mg/kg	EN ISO 21084 (2019)	For sum of all allocated Members/Substances 所有对应组别成员/物质总和
		Metal parts, Polymer parts, Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用		10		mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml THF with Sonication for 60 min at 70°C EN ISO 21084 (2019), 定制 // 1 g 样品 / 20ml 四氢呋喃溶液 70°C 超声 萃取 60 分钟	
Octylphenol (OP), mixed isomers 辛基酚, 及其混合异构体	Several 多个	Textiles, Leather 纺织、皮革	Usage ban 禁用		10		mg/kg	EN ISO 21084 (2019)	For sum of all allocated Members/Substances 所有对应组别成员/物质总和
		Metal parts, Polymer parts, Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用		10		mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml THF with Sonication for 60 min at 70°C EN ISO 21084 (2019), 定制 // 1 g 样 品 / 20ml 四氢呋喃溶液 70°C 超声萃取 60 分钟	
Amines 胺类									
Aniline - free content 游离苯胺	62-53-3	Leather 皮革	Usage ban 禁用		30		mg/kg	EN ISO 17234-1 (2015)	In case aniline is detected the test needs to be repeated without addition of sodium dithionite. 如果检测到苯胺, 则需要在不添加亚 连二硫酸钠的情况下重复测试
		Textiles, Polymer parts 纺织, 聚合物部件	Usage ban 禁用		30		mg/kg	EN ISO 14362-1 (2017)	

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Arylamines 芳香胺									
Arylamines (including corresponding salts) 芳香胺及其盐	Several 多个	Leather 皮革	Usage ban 禁用	20 each 单个 20			mg/kg	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	Single substances listed in Annex (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)
		Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物 部件, 羽绒制品	Usage ban 禁用	20 each 单个 20			mg/kg	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	个别物质详见附录 (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)
Biocides 杀菌剂									
Biocides: Independent from the biocidal substances listed in the RSL, the supplier shall always be requested to declare whether biocides were used or not. Identity of the relevant biocides shall be disclosed by name and CAS No. Declaration duty shall be laid down in the purchase specification. 杀菌剂: 独立于与 RSL 中所列出的杀菌剂, 供应商应始终在收到要求时声明产品是否使用了杀菌剂。应披露相关杀菌剂的名称和 CAS 编号。声明义务应明确在采购规格中明确规定。									
Dimethylfumarate 二甲基富马酸	624-49-7	All 全部	Usage ban 禁用	0.1			mg/kg	ISO 16186 (2021)	
o-Phenylphenol and its salts 邻苯基苯酚及其盐	Several 多个	Leather 皮革	Limitation 限用	50	100	200	mg/kg	DIN 50009 (2021)	
		Textiles 纺织	Limitation 限用	50			mg/kg	DIN 50009 (2021)	
Pyrrithione zinc 吡啶硫酮锌	13463-41-7	All 全部	Usage ban 禁用	10			mg/kg	DIN EN 16711-1 (2016) // Total content 总含量	Testing: Zn metal content, in case of positive result further testing with CE/ICP-MS. 测试方法: 锌铁含量, 如检出需进一步 以 CE/ICP-MS 检测

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Chlorinated Benzenes and Toluenes 氯代苯和氯代甲苯类									
Chlorinated Benzenes and Toluenes 氯代苯和氯代甲苯类	Several 多个	All 全部	Usage ban 禁用		5.0		mg/kg	EN 17137 (2018)	For sum of all allocated chlorinated benzenes and toluenes // additional regulation for each allocated Member/Substance - Usage ban 1.0 mg/kg Single substances listed in Annex 氯代苯和氯代甲苯总和// 另规范单个组别成员/物质禁用限值: 1.0 mg/kg

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method//测试方法 Sample Preparation 样品制备	Comment 备注
Chlorinated Phenols 氯代苯酚									
Chlorinated Phenols 氯代苯酚	Several 多个	All 全部	Usage ban 禁用	See groups 详见组别				DIN 50009 (2021) EN ISO 17070 (Leather 皮革)	Usage ban for every allocated Member/Substance Single substances listed in Annex 禁用所有对应组别成员/物质 个别物质详见附录
Mono- and Dichlorophenols (MonoCP & DiCP) 一氯-二氯苯酚	Several 多个	All 全部	Usage ban 禁用	1.0		mg/kg	For sum of all allocated Mono- and DiCPs 所有单氯苯酚和二氯苯酚总和		
<i>Trichlorophenol (TriCP), all isomers</i> 三氯苯酚, 及其异构体	25167-82-2	All 全部	Usage ban 禁用	0.05	0.5	0.5	mg/kg		For sum of all allocated TriCPs 所有三氯苯酚总和
<i>Tetrachlorophenol (TeCP), its salts and compounds</i> 四氯苯酚, 其盐及化合物	25167-83-3	All 全部	Usage ban 禁用	0.05	0.5	0.5	mg/kg		For sum of all allocated TeCPs 所有四氯苯酚总和
<i>Pentachlorophenol (PentaCP), its salts, esters and compounds</i> 五氯苯酚, 其盐, 其酯及化合物	Several 多个	All 全部	Usage ban 禁用	0.05	0.5	0.5	mg/kg		For sum of all allocated PCPs 所有五氯苯酚总和
Colorants 着色剂									
Colorants banned for other reasons 其他原因禁用着色剂	Several 多个	All 全部	Usage ban 禁用	20 each 单个 20			mg/kg	DIN 54231 (2022)	Single substances listed in Annex 个别物质详见附录
Colorants with allergenic potential 可致敏着色剂	Several 多个	All 全部	Usage ban 禁用	20 each 单个 20			mg/kg		
Colorants with carcinogenic potential 可致癌着色剂	Several 多个	All 全部	Usage ban 禁用	20 each 单个 20			mg/kg		

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Dioxins and Furans 二噁英和呋喃									
Dioxins and Furans - Group 1 and 2 二噁英和呋喃-组别 1 和 2	Several 多个	All 全部	Usage ban 禁用		5.0		µg/kg	EPA 8290A	For sum of all allocated Members/Substances to Group 1 and 2 Single substances listed in Annex 组别 1 和 2 的组别成员/物质总和 个别物质详见附录
Dioxins and Furans - Group 1 二噁英和呋喃-组别 1	Several 多个	All 全部	Usage ban 禁用		1.0		µg/kg		For sum of all allocated Members/Substances to Group 1 Single substances listed in Annex 组别 1 的组别成员/物质总和 个别物质详见附录
Dioxins and Furans - Group 3 二噁英和呋喃-组别 3	Several 多个	All 全部	Usage ban 禁用		95		µg/kg	EPA 8290A	For sum of all allocated Members/Substances to Group 3 - official regulation for sum of all allocated Members/Substances to Group 1, 2 and 3 - 100 µg/kg Single substances listed in Annex 组别 3 的所有组别成员/物质总和 - 法规规定 组别 1, 2 和 3 的所有组别成员/物质总和为 100 µg/kg 个别物质详见附录
Dioxins and Furans - Group 4 and 5 二噁英和呋喃-组别 4 和 5	Several 多个	All 全部	Usage ban 禁用		5.0		µg/kg		For sum of all allocated Members/Substances to Group 4 and 5 Single substances listed in Annex 组别 4 和组别 5 的组别成员/物质总和 个别物质详见附录
Dioxins and Furans - Group 4 二噁英和呋喃-组别 4	Several 多个	All 全部	Usage ban 禁用		1.0		µg/kg		For sum of all allocated Members/Substances to Group 4 Single substances listed in Annex 组别 4 的组别成员/物质总和 个别物质详见附录
Fibers 纤维									
Asbestos 石棉	Several 多个	All 全部	Usage ban 禁用		Not detected 不检出			REM/EDX BGI 505-46 U.S. EPA/600/R-93/116	Single substances listed in Annex 个别物质详见附录

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Flame retardants 阻燃剂									
Flame retardants 阻燃剂	Several 多个	All 全部	Usage ban 禁用	5.0 each 单个 5.0			mg/kg	EN ISO 17881-1 (2016) for brominated flame retardants 溴化阻燃剂 EN ISO 17881-2 (2016) for phosphorus flame retardants 含磷阻燃剂	Single substances listed in Annex 个别物质详见附录
Chlorinated Paraffins, all chain lengths 氯化石蜡, 所有链长	Several 多个	Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物部 件, 羽绒制品	Usage ban 禁用	5.0 each 单个 5.0			mg/kg	ISO 22818 (2021)	Single substances listed in Annex 个别物质详见附录
		Leather 皮革	Usage ban 禁用	100 each 单个 100			mg/kg	ISO 18219 (2021)	
Glycols 乙二醇类									
2-Ethoxyethanol 2-乙氧基乙醇	110-80-5	Plastic article 塑胶制品	Usage ban 禁用	5.0			mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
		Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制 品, 羽绒制品, 皮革	Usage ban 禁用	5.0			mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
2-Ethoxyethyl acetate 2-乙氧基乙酸乙酯	111-15-9	Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制 品, 羽绒制品, 皮革	Usage ban 禁用	5.0			mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
		Plastic article 塑胶制品	Usage ban 禁用	5.0			mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	

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Glycols (continued) 乙二醇类 (接上)									
2-Methoxy-1-propanol 2-甲氧基-1-丙醇	1589-47-5	Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
		Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
2-Methoxyethanol 2-甲氧基乙醇	109-86-4	Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
		Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
2-Methoxyethyl acetate 2-甲氧基乙酸乙酯	110-49-6	Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
		Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Glycols (continued) 乙二醇类 (接上)									
2-Methoxypropyl acetate 2-甲氧基丙基乙酸酯	70657-70-4	Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
		Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
Bis(2-methoxyethyl) ether 双(2-甲氧乙基)醚	111-96-6	Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
		Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
Ethylene glycol dimethyl ether 乙二醇二甲醚	110-71-4	Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
		Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
Triethylene glycol dimethyl ether 三乙二醇二甲醚	112-49-2	Plastic article 塑胶制品	Usage ban 禁用		5.0		mg/kg	GC-MS // 2-Step extraction with THF and Methanol 四氢呋喃和甲醇两步萃取法	
		Textiles, Metal parts, Rubber articles, Down/feather articles, Leather 纺织, 金属部件, 橡胶制品, 羽绒制品, 皮革	Usage ban 禁用		5.0		mg/kg	GC-MS // Extraction with Methanol 四氢呋喃和甲醇两步萃取法	

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Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes 卤代联苯, 卤代三联苯和卤代萘									
Polybrominated Biphenyls (PBBs) 多溴联苯 (PBBs)	59536-65-1	All 全部	Usage ban 禁用		5.0		mg/kg	EN ISO 17881-1 (2016) for brominated compounds EN ISO 17881-1 (2016) 溴化合物	For sum of all allocated Members/Substances 所有对应组别成员/物质总和
Polybrominated Naphthalenes (PBNs) 多溴化萘 (PBNs)	Several 多个	All 全部	Usage ban 禁用		1.0		mg/kg	ISO/TR 17881-3 (2018) for chlorinated compounds ISO/TR 17881-3 (2018) 氯化化合物	For sum of all allocated Members/Substances 所有对应组别成员/物质总和
Polybrominated Terphenyls (PBTs) 多溴三联苯 (PBTs)	Several 多个	All 全部	Usage ban 禁用		1.0		mg/kg		For sum of all allocated Members/Substances 所有对应组别成员/物质总和
Polychlorinated Biphenyls (PCBs) 多溴联苯 (PCBs)	1336-36-3	All 全部	Usage ban 禁用		1.0		mg/kg		For sum of all allocated Members/Substances 所有对应组别成员/物质总和
Polychlorinated Naphthalenes (PCNs) 多氯化萘 (PCNs)	Several 多个	All 全部	Usage ban 禁用		1.0 each 单个 1.0		mg/kg		Usage ban 1.0 mg/kg for every allocated Member/Substance 单个组别成员/物质的禁用限值为 1.0 mg/kg
Polychlorinated Terphenyls (PCTs) 多氯三联苯 (PCTs)	61788-33-8	All 全部	Usage ban 禁用		1.0		mg/kg		For sum of all allocated Members/Substances 所有对应组别成员/物质总和
Halogenated Diarylalkanes 卤代双环烷类									
Halogenated Diarylalkanes 卤代双环烷类	Several 多个	All 全部	Usage ban 禁用		1.0 each 单个 1.0		mg/kg	GC-MS // Extraction following DIN EN 62321-6 (2016) GC-MS //按照 DIN EN 62321-6 (2016) 萃取	Single substances listed in Annex 个别物质详见附录
Isocyanates 异氰酸酯									
Isocyanates 异氰酸酯	Several 多个	All 全部	Limitation 限用		1.0		mg/kg	EN 13130-8 (2004)	Free content applies to sum of all allocated isocyanates. Single substances listed in Annex 所有的游离异氰酸酯总和 个别物质详见附录

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Metals 金属									
Antimony, its salts and compounds 锑, 其盐及化合物	Several 多个								
Antimony – as content 锑 – 作为含量	7440-36-0	Leather 皮革	Limitation 限用	5	10	10	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗液	As extractable metal content // Usage as flame retardant: bluesign® CRITERIA for flame retardants have to be followed 同金属可萃取含量 // 使用于阻燃剂: 详见 bluesign® CRITERIA 阻燃剂准则
		Textiles 纺织	Limitation 限用	5	10	10	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗液	
		Metal parts Polymer parts Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Limitation 限用	60		mg/kg	DIN EN ISO 11885 (2009) EN 71-3 (2019) // Acidic solution migration simulating gastric juices 仿胃液酸性溶液 DIN EN ISO 17294-2 (2017)		
		Fibers/yarn 纤维/纱线	Limitation 限用	260		mg/kg	DIN EN 16711-1 (2016) // Total content 总量	As total metal content // valid for Polyester raw fiber 同金属总含量 // 适用于聚酯原纤	
Arsenic, its salts and compounds 砷, 其盐及化合物	Several 多个								
砷 – 作为含量	7440-38-2	Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用	0.2		mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content 同金属可萃取含量	
		Leather 皮革	Usage ban 禁用	0.2		mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液		

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Metals (continued) 金属 (接上)									
Barium, its salts and Compounds 钡, 其盐及化合物	Several 多个								
Barium - as content 钡 - 作为含量	7440-39-3	All 全部	Limitation 限用		1000		mg/kg	EN 71-3 (2019) // Acidic solution migration simulating gastric juices 仿胃液酸性溶液 DIN EN ISO 17294-2 (2017) DIN EN ISO 11885 (2009)	As extractable metal content. 同金属可萃取含量
Cadmium, its salts and compounds 镉, 其盐及化合物	Several 多个								
Cadmium - as content 镉 - 作为含量	7440-43-9	Textiles, Polymer parts, Down/feather articles 纺织, 聚合物部件, 羽绒制品	Usage ban 禁用		0.1		mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content 同金属可萃取含量
		Leather 皮革	Usage ban 禁用		0.1		mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液	
		Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用		40		mg/kg	DIN EN 16711-1 (2016) // Total content 总量	As total metal content 同金属总含量
		Leather 皮革	Usage ban 禁用		40		mg/kg	EN ISO 17072-2 (2019) // Total content 总量	

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Metals (continued) 金属 (接上)									
Chromium VI, its salts and compounds 六价铬, 其盐及化合物	Several 多个								
Chromium VI – as content 六价铬 – 作为含量	7440-47-3	Textiles, Metal parts, Polymer parts, Down/feather articles 纺织, 金属部件, 聚合物部件, 羽绒 制品	Usage ban 禁用	0.5			mg/kg	EN ISO 17075-1 (2017)	As extractable metal content 同金属可萃取含量 For leather: Thermal pre-ageing test required in advance: ISO 10195:2018. 皮革: 需要提前进行预热老化测试: ISO 10195:2018
		Metal parts 金属部件	Usage ban 禁用	0.5			mg/kg	EN 62321-7-1 (2016)	
		Leather 皮革	Usage ban 禁用	3.0			mg/kg	EN ISO 17075-1 (2017) EN ISO 17075-2 (2017) DIN EN ISO 4044 (2017)	
Chromium, its salts and compounds 铬, 其盐及化合物	Several 多个								
Chromium – as content 铬 – 作为含量	7440-47-3	Metal parts Polymer parts Down/feather articles 金属部件, 聚合物 部件, 羽绒制品	Limitation 限用	60			mg/kg	DIN EN ISO 11885 (2009) EN 71-3 (2019) // Acidic solution migration simulating gastric juices 仿胃液酸性溶液 DIN EN ISO 17294-2 (2017)	If products are covered with a metal layer, including a chromium layer, coating must be constantly in good condition // as extractable metal content 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 //金属可萃取含 量
		Textiles 纺织	Limitation 限用	0.5			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content // for textiles dyed with chromium containing metal complex dyes A: 1.0 // B: 2.0 // C: 2.0 mg/kg 同金属可萃取含量 // 络合染料染色的 纺织品可萃取含量为: A类: 1.0 // B 类: 2.0 // C类: 2.0 mg/kg

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Cobalt, its salts and compounds 钴, 其盐及化合物	Several 多个								
Cobalt – as content 钴 – 作为含量	7440-48-4	Leather 皮革	Limitation 限用	1.0			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content // for textiles and leather dyed with cobalt containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg 同金属可萃取含量//钴络合染料染色的 纺织品和皮革可萃取含量为: A类: 1.0 // B类: 4.0 // C类: 4.0 mg/kg
		Textiles 纺织	Limitation 限用	1.0			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	
		Metal parts, Polymer parts, Down/feather articles 金属部件, 聚合物 部件, 羽绒制品	Limitation 限用	1.0	4.0	4.0	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	
Copper, its salts and compounds 铜, 其盐和化合物	Several 多个								
Copper – as content 铜 – 作为含量	7440-50-8	Textiles 纺织	Limitation 限用	25	50	50	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content 同金属可萃取含量
		Leather 皮革	Limitation 限用	25	50	50	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液	

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Metals (continued) 金属 (接上)									
Lead, its salts and compounds 铅, 其盐和化合物	Several 多个								
Lead – as content 铅 – 作为含量	7439-92-1	Metal parts 金属部件	Usage ban 禁用		90		mg/kg	DIN EN 16711-1 (2016) // Total content 总量	As total metal content 同金属总含量
		Leather 皮革	Usage ban 禁用		40		mg/kg	EN ISO 17072-2 (2019) // Total content 总量	
		Textiles Polymer parts Down/feather articles 纺织, 聚合物部件, 羽绒制品	Usage ban 禁用		40		mg/kg	DIN EN 16711-1 (2016) // Total content 总量	
		Leather 皮革	Usage ban 禁用	0.2	1.0	1.0	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content 同金属可萃取含量
		Textiles Polymer parts Down/feather articles 纺织, 聚合物部件, 羽绒制品	Usage ban 禁用	0.2	1.0	1.0	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	

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Metals (continued) 金属 (接上)									
Mercury, its salts and compounds 汞, 其盐和化合物	Several 多个								
Mercury as content 汞 - 作为含量	7439-97-6	Metal parts 金属部件	Usage ban 禁用		60		mg/kg	EN 71-3 (2019) // Acidic solution migration simulating gastric juices 仿胃液酸性溶液 EN ISO 12846 (2012)	As extractable metal content 同金属可萃取含量
		Leather 皮革	Usage ban 禁用		0.02		mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液	
		Textiles Polymer parts Down/feather articles 纺织, 聚合物部件, 羽绒制品	Usage ban 禁用		0.02		mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	

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Metals (continued) 金属 (接上)									

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Nickel, its salts and compounds 镍, 其盐及化合物	Several 多个								
Nickel – as content 镍 – 作为含量	7440-02-0	Textiles 纺织	Limitation 限用	1.0			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content // for textiles dyed with nickel containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg 金属可萃取含量//含镍金属合染料染色的纺织品可萃取含量为: A类: 1.0 // B类: 4.0 // C类: 4.0 mg/kg
		Leather 皮革	Limitation 限用	1.0			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution 酸性汗渍溶液	As extractable metal content // for leather dyed with nickel containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg 金属可萃取含量//含镍金属合染料染色的皮革可萃取含量为: A类: 1.0 // B类: 4.0 // C类: 4.0 mg/kg
		Metal parts Polymer parts 金属部件, 聚合物部件	Usage ban for A and B 禁用于A和B类	0.5	0.5	-	µg/cm ² /week	EN 1811 (2011) + A1 (2015) // Release EN 12472 (2020)	As released metal content 同金属释放量

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
Monomers 单体									
Acrylamide 丙烯酰胺	79-06-1	All 全部	Usage ban 禁用	1.0			mg/kg	CEN/TS 13130-10 (2005)	
Other Chemical Substances 其他化学物质									
2-Phenyl-2-propanol 2-苯基异丙醇	617-94-7	All 全部	Limitation 限用	10	50	50	mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
Acetophenone 苯乙酮	98-86-2	All 全部	Limitation 限用	20			mg/kg	GC-MS // Extraction with Methanol 甲醇萃取	
Azodicarbonamide (ADCA) 偶氮二甲酰胺	123-77-3	All 全部	Usage ban 禁用	100	200	200	mg/kg	Solvent Extraction 溶剂萃取 //GC-MS or LC-MS or LC-DAD	
Benzyl chloride 氯化苄	100-44-7	All 全部	Usage ban 禁用	1.0			mg/kg	GC-MS // Extraction with Dichloromethane 二氯甲烷萃取	
Bisphenol A 双酚 A	80-05-7	All 全部	Usage ban 禁用	1.0	10	10	mg/kg	EN ISO 18857-2 (2012) // Extraction with Methanol 甲醇萃取 EN ISO 18857-2 (2012) // Extraction with THF 四氢呋喃萃取	For usage range A: 10 mg/kg is accepted when article is not intended to come into contact with mouth. 使用范围 A:当制品不接触嘴巴时可接受10mg/kg
Bisphenol AF 双酚 AF	1478-61-1	All 全部	Usage ban 禁用	100			mg/kg		
Bisphenol F 双酚 F	620-92-8	All 全部	Usage ban 禁用	100			mg/kg		
Bisphenol S 双酚 S	80-09-1	All 全部	Usage ban 禁用	100			mg/kg		Specific limit for leather tanning and textile aftertreatment: 500 ppm. 皮革鞣制和纺织品后处理的特定限值: 500 ppm

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Other Chemical Substances (continued) 其他化学物质 (接上)									
Cresol, all isomers 甲酚及其异构体	1319-77-3	All 全部	Usage ban 禁用	See isomers 见各异构体				BVL B 82.02-8 (2001) // Extraction with KOH 氢氧化钾萃取	10 mg/kg for each isomer 单个异构体检出限: 10 mg/kg
m-Cresol 间甲酚	108-39-4	All 全部	Usage ban 禁用	10			mg/kg		
o-Cresol 邻甲酚	95-48-7	All 全部	Usage ban 禁用	10			DIN EN ISO 17070 (2015) // Extraction with KOH 氢氧化钾萃取		
p-Cresol 对甲酚	106-44-5	All 全部	Usage ban 禁用	10			mg/kg		

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method//测试方法 Sample Preparation 样品制备	Comment 备注
Other Chemical Substances (continued) 其他化学物质 (接上)									
Formamide 甲酰胺	75-12-7	Textiles 纺织	Usage ban 禁用	50	50	200	mg/kg	EN 17131 (2019)	
		Metal parts Polymer parts Down/feather articles Leather 金属部件, 聚合物部 件, 羽绒制品	Usage ban 禁用	50	50	200	mg/kg	CEN ISO/TS 16189 (2021)	
Isoquinoline 异喹啉	119-65-3	All 全部	Usage ban 禁用	50			mg/kg	LC-MS/MS // Extraction with Methanol 甲醇萃取 LC-DAD // Extraction with THF 四氢呋喃萃取 LC-DAD // Extraction with Methanol 甲醇萃取 LC-MS/MS // Extraction with THF 四氢呋喃萃取	
Phenol 苯酚	108-95-2	All 全部	Usage ban 禁用	20	50	100	mg/kg	LC-MS // Extraction with Methanol 甲醇萃取 GC-MS // Extraction with Methanol 甲醇萃取	
Quinoline 喹啉	91-22-5	All 全部	Usage ban 禁用	50			mg/kg	LC-MS/MS // Extraction with Methanol 甲醇萃取 LC-DAD // Extraction with THF or Methanol 四氢呋喃或甲醇萃取 LC-MS/MS // Extraction with THF 四氢呋喃萃取	
Siloxanes 硅氧烷	Several 多个	All 全部	Usage ban 禁用					GC // with reference to TEGEWA method (2021) GC// 参考 TEGEWA 方法 (2021)	Usage ban for every allocated member/substances 单个组别成员/物质禁用
Octamethyl cyclotetrasiloxane (D4) 八甲基环四硅氧烷 (D4)	556-67-2	All 全部	Usage ban 禁用	30			mg/kg		
Decamethyl cyclopentasiloxane (D5) 十甲基环五硅氧烷 (D5)	541-02-6	All 全部	Usage ban 禁用	200			mg/kg		
Dodecamethyl cyclohexasiloxane (D6) 十二甲基环六硅氧烷 (D6)	540-97-6	All 全部	Usage ban 禁用	200			mg/kg		

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Ozone Depleting Substances 臭氧消耗物质									
Ozone depleting substances (CFCs) class I 臭氧消耗物质类别 I	Several 多个	All 全部	Usage ban 禁用		0.1 each 单个 0.1		mg/kg	GC-MS // Headspace 顶空进样	Usage ban for direct use in manufacturing of articles 禁止直接用于生产
Ozone depleting substances (CFCs) class II 臭氧消耗物质类别 II	Several 多个	All 全部	Usage ban 禁用		0.1 each 单个 0.1		mg/kg	GC-MS // Headspace 顶空进样	See Regulation (EC) No 1005/2009 for a complete list of single substances 有关个别物质的完整清单, 请参阅法规 (EC) No 1005/2009
Pesticides 杀虫剂									
Pesticides 杀虫剂	Several 多个	All 全部	Limitation 限用		0.5		mg/kg	GC-MS // ASE with Acetone/Hexane 用丙酮/己烷加速萃取 LC-MS // ASE with Acetone/Hexane 用丙酮/己烷加速萃取 GC-MS // Soxhlet Extraction with Acetone/Hexane 用丙酮/己烷进行索氏萃取 LC-MS // Soxhlet Extraction with Acetone/Hexane 用丙酮/己烷进行索氏萃取	Applies to total sum of all allocated members/substances Single substances listed in Annex 所有对应的组别成员/物质总和 个别物质详见附录

Chemical Name 化学名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	A	B	C	Unit 单位	Test Method // 测试方法 Sample Preparation 样品制备	Comment 备注
PFAS (Poly- and perfluoroalkyl substances) PFAS(多氟/全氟烷基化合物)									
PFAS (Poly- and perfluoroalkyl substances) PFAS(多氟/全氟烷基化合物)	Several 多个	All 全部	Usage ban 禁用		50		mg/kg	EN 14582 (total fluorine) ASTM 07359 (total fluorine) EN 14582 (总氟) ASTM 07359 (总氟)	Limit refers to total fluorine content. Exceptions might be possible for specific uses, see "Guidance Sheet PFAS phase out" and PFAS statement in section 3.4. Articles need to comply latest 01 January 2025. 限值是指总氟含量 特定用途可能存在例外情况, 请参阅 "PFAS 淘汰指引文件" 和在第 3.4 节中的 PFAS 声明。 制品必须最晚在 2025 年 1 月 1 日之前符合要求。
Perfluorohexane sulfonic acid and its derivatives 全氟己烷磺酸及其衍生物	Several 多个	All 全部	Usage ban 禁用						Limits defined for subgroups. 已定义子组别限值
<i>Perfluorohexane sulfonic acid and its salts 全氟己烷磺酸及其盐</i>	Several 多个	All 全部	Usage ban 禁用		20		µg/kg	Leather 皮革: EN ISO 23702-1 (2018) Other materials 其他材料: CEN/TS 15968 (2014)	
<i>Perfluorohexane sulfon Amides 全氟己烷磺酰胺</i>	Several 多个	All 全部	Usage ban 禁用		20		µg/kg		
<i>Perfluorohexane sulfon Amidoethanols 全氟己烷磺酰胺乙醇</i>	Several 多个	All 全部	Usage ban 禁用		20		µg/kg		
<i>Perfluorohexane sulfon amidoethyl (meth)acrylates 全氟己烷磺乙酰胺基(甲基)丙烯酸酯</i>	Several 多个	All 全部	Usage ban 禁用		20		µg/kg		
<i>Perfluorohexane sulfon Halides 全氟己烷磺化卤化物</i>	Several 多个	All 全部	Usage ban 禁用		20		µg/kg		
<i>Perfluorohexane sulfon Polymers 全氟己烷磺化聚合物</i>	Several 多个	All 全部	Usage ban 禁用		20		µg/kg		

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PFAS (Poly- and perfluoroalkyl substances) - continued PFAS(多氟/全氟烷基化合物) (接上)									
Perfluorooctane sulfonic acid and its derivatives 全氟辛烷磺酸及其衍生物	Several 多个	All 全部	Usage ban 禁用		1.0		µg/m ²		Single substances listed in Annex. 个别物质详见附录
Perfluorohexanoic acid and its salts 全氟己酸及其盐	Several 多个	All 全部	Usage ban 禁用		25		µg/kg	Leather 皮革: EN ISO 23702-1 (2018) Other materials 其他材料: CEN/TS 15968 (2014)	Single substances listed in Annex. 个别物质详见附录
Perfluorooctanoic acid and its salts 全氟辛酸和其盐	Several 多个	All 全部	Usage ban 禁用		25		µg/kg		
Perfluorocarboxylic acids (C9-C14) and its salts 全氟羧酸 (C9-C14) 及其盐	Several 多个	All 全部	Usage ban 禁用		25		µg/kg		
Perfluorohexanoic acid related substances 全氟己酸相关物质	Several 多个	All 全部	Usage ban 禁用		1000		µg/kg		
Perfluorooctanoic acid related substances 全氟辛酸相关物质	Several 多个	All 全部	Usage ban 禁用		1000		µg/kg		
Perfluorocarboxylic acids (C9-C14) related substances 全氟羧酸 (C9-C14) 相关物质	Several 多个	All 全部	Usage ban 禁用		260		µg/kg		

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Plasticizers 塑化剂									
Phthalic acid esters 邻苯二甲酸酯	Several 多个	Textiles 纺织	Usage ban 禁用	50 each 单个 50			mg/kg	EN ISO 14389 (2014) CPSC-CH-C1001-09.4	Single substances listed in Annex 单个物质列于附录
		Metal parts, Polymer parts, Down/feather articles, Leather 金属部件, 聚合物部 件, 羽绒制品, 皮革	Usage ban 禁用	50 each 单个 50			mg/kg	CPSC-CH-C1001-09.4	
Polyaromatic hydrocarbons (PAHs) 多环芳香烃									
Polyaromatic hydrocarbons (PAHs) 多环芳香烃	Several 多个	All 全部	Usage ban 禁用	10			mg/kg	AfPS GS 2019	For sum of all allocated PAHs PAHs without substance specific limit are listed in Annex 针对所有无特定限值对应的多环芳香烃物 质详见附录
Benzo(a)anthracene 1,2-苯并蒽	56-55-3	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg	Alternative test methods: EN17132 or ISO 16190	
Benzo(a)pyrene 苯并(a)芘	50-32-8	All 全部	Usage ban 禁用	0.2			mg/kg	其他测试方法: EN17132 or ISO 16190	
Benzo(b)fluoranthene 苯并(b)荧蒽	205-99-2	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg		
Benzo(e)pyrene 苯并(e)芘	192-97-2	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg		
Benzo(j)fluoranthene 苊	205-82-3	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg		
Benzo(k)fluoranthene 苯并(k)荧蒽	207-08-9	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg		
Chrysene 1,2-苯并菲	218-01-9	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg		
Dibenzo(a,h)anthrene 二苯蒽	53-70-3	All 全部	Usage ban 禁用	0.5	1.0	1.0	mg/kg		

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Polymers 高分子聚合物									
Polyvinyl chloride 聚氯乙烯	9002-86-2	All 全部	Usage ban 禁用	See comment 见备注				Total chlorine (EN 14582) // FTIR (when chlorine detected) 总氯 (EN 14582) // FTIR (当检测出氯时)	Usage ban for usage range A and B - Not detected // for usage range C: for special applications. BLUESIGN has the right to make an individual decision A类和B类禁用 - 不得检出 // C类: bluesign technologies 保留针对特殊用途制定特别措施的权利
Solvents 溶剂									
1,2-Dichloroethane 1,2-二氯乙烷	107-06-2	All 全部	Usage ban 禁用	1.0			mg/kg	GC-MS // Headspace 顶空进样	
Benzene 苯	71-43-2	All 全部	Usage ban 禁用	5.0			mg/kg	VDA 278 (2011)	
Dichloromethane 二氯甲烷	75-09-2	All 全部	Usage ban 禁用	5.0			mg/kg	GC-MS // Headspace 顶空进样	Usage ban for direct use in manufacturing of articles 禁止直接用于纺织品制品的生产
N,N-Dimethylacetamide (DMAc) N,N-二甲基乙酰胺 (DMAc)	127-19-5	Textiles 纺织	Usage ban 禁用	5.0			mg/kg	EN 17131 (2019)	Exceptions: Articles produced by solvent coating, lamination or fiber manufacturing - A/B/C 50 mg/kg. As residual fiber solvent in elastane and PAN fibers with Monitoring status - A: 10 mg/kg B/C: 50 mg/kg. Aramid fibers: for special applications BLUESIGN has the right to make an individual decision. 例外: 溶剂涂层、贴合制品或纤维生产 - A / B / C 50 mg/kg 监控氨纶/腈纶纤维上的残留限值: A类: 10 mg/kg B/ C类: 50 mg/kg 芳纶纤维: bluesign technologies 保留针对特殊用途制定特别措施的权利
		Leather 皮革	Usage ban 禁用	5.0			mg/kg	EN ISO 19070 (2016)	
		Metal parts Polymer parts Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用	5.0			mg/kg	CEN ISO/TS 16189 (2021)	

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Solvents (continued) 溶剂 (接上)									
N,N-Dimethylformamide (DMF) N-N-二甲基甲酰胺 (DMF)	68-12-2	Textiles 纺织	Usage ban 禁用	5.0			mg/kg	EN 17131 (2019)	<p>Exceptions for textiles: Specific limits are defined for articles produced by lamination and fiber manufacturing - A/B/C = 50 mg/kg or by solvent coating, A/B/C = 50/50/250 mg/kg.</p> <p>纺织品例外情况: 已明确定义溶剂涂层、贴合和纤维生产的制品限值: A/B/C: 50 mg/kg, 或溶剂涂层, A/B/C = 50/50/250 mg/kg</p> <p>For PAN fibers bluesign has the right to make individual decisions.</p> <p>Bluesign 有权对腈纶纤维做个别决定</p>
		Metal parts Polymer parts Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用	5.0			mg/kg	CEN ISO/TS 16189 (2021)	
		Leather 皮革	Usage ban 禁用	5.0			mg/kg	EN ISO 19070 (2016)	
N-Ethyl-2-pyrrolidone (NEP) N-乙基-2-吡咯烷酮 (NEP)	2687-91-4	Leather 皮革	Usage ban 禁用	10	10	100	mg/kg	EN ISO 19070 (2016)	
		Metal parts Polymer parts Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用	10	10	100	mg/kg	CEN ISO/TS 16189 (2021)	
		Textiles 纺织	Usage ban 禁用	10	10	100	mg/kg	EN 17131 (2019)	

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Solvents (continued) 溶剂 (接上)									
N-Methylpyrrolidone (NMP) N-甲基吡咯烷酮 (NMP)	872-50-4	Textiles 纺织	Usage ban 禁用	10	10	100	mg/kg	EN 17131 (2019)	Exception is valid for Aramid fibers: for special applications BLUESIGN has the right to make an individual decision 芳纶例外: bluesign technologies 保留针 对特殊用途制定特别措施的权利
		Metal parts Polymer parts Down/feather articles 金属部件, 聚合物部件, 羽绒制品	Usage ban 禁用	10	10	100	mg/kg	CEN ISO/TS 16189 (2021)	
		Leather 皮革	Usage ban 禁用	10	10	100	mg/kg	EN ISO 19070 (2016)	
Tetrachloroethylene 四氯乙烯	127-18-4	All 全部	Usage ban 禁用	1.0			mg/kg	GC-MS // Headspace 顶空进样	
Toluene 甲苯	108-88-3	All 全部	Usage ban 禁用	10	50	50	mg/kg	GC-MS // Headspace 顶空进样	Usage ban not valid for solvent coating, laminating and painting/lacquering. 禁用要求不适用于溶剂涂层、贴合和涂漆/ 上漆工艺
Trichloroethylene 三氯乙烯	79-01-6	All 全部	Usage ban 禁用	5.0			mg/kg	GC-MS // Headspace 顶空进样	
Xylene, all isomers 二甲苯及异构体	1330-20-7	All 全部	Usage ban 禁用	50	100	100	mg/kg	GC-MS // Headspace 顶空进样	Sum of all isomers 所有异构体总和 Usage ban not valid for solvent coating, laminating and painting/lacquering. 禁用要求不适用于溶剂涂层、贴合和涂漆/ 上漆工艺

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Tin-organic Compounds 有机锡化合物									
Tin-organic Compounds - as mono-, di- and tri-, tetraalkyltin organics 有机锡化合物-作为单, 二和三, 四烷基锡的有机物	Several 多个	All 全部	Usage ban 禁用					CEN ISO/TS 16179 (2012)	Usage ban for all allocated Members/Substances 禁用所有对应组别成员/物质
Ethyltin compounds 乙基锡化合物	Several 多个		Usage ban 禁用						
<i>Tetraethyltin compounds (TeET)</i> 四乙基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0			mg/kg		
Hexyltin compounds 己基锡化合物	Several 多个		Usage ban 禁用						
<i>Tricyclohexyltin compounds (TCyHT)</i> 三环己基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
Butyltin compounds 丁基锡化合物	Several 多个		Usage ban						
<i>Dibutyltin compounds (DBT)</i> 二丁基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0			mg/kg		
<i>Monobutyltin compounds (MBT)</i> 单丁基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0			mg/kg		
<i>Tetrabutyltin compounds (TeBT)</i> 四丁基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
<i>Tributyltin compounds (TBT)</i> 三丁基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
Methyltin compounds 甲基锡化合物	Several 多个		Usage ban 禁用						
<i>Dimethyltin compounds (DMT)</i> 二甲基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
<i>Monomethyltin compounds (MMT)</i> 单甲基锡化合物	Several 多个	All 全部	Usage ban 禁用	2.0			mg/kg		
<i>Trimethyltin compounds (TMT)</i> 三甲基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		

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Tin-organic Compounds (continued) 有机锡化合物 (接上)									
Octyltin compounds 辛基锡化合物	Several 多个		Usage ban 禁用					CEN ISO/TS 16179 (2012)	Usage ban for all allocated Members/Substances 禁用所有对应组别成员/物质
<i>Diocyltin compounds (DOT)</i> 二辛基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0			mg/kg		
<i>Monoocyltin compounds (MOT)</i> 单辛基锡化合物	Several 多个	All 全部	Usage ban 禁用	2.0			mg/kg		
<i>Tetraocyltin compounds (TeOT)</i> 四正辛基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
<i>Triocyltin compounds (TOT)</i> 三辛基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
Phenyltin compounds 苯锡化合物	Several 多个		Usage ban 禁用						
<i>Diphenyltin compounds (DPHT)</i> 二苯锡化合物	Several 多个	All 全部	Usage ban 禁用	2.0			mg/kg		
<i>Monophenyltin compounds (MPhT)</i> 单苯锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0			mg/kg		
<i>Triphenyltin compounds (TPhT)</i> 三苯基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		
Propyltin compounds 丙基锡化合物	Several 多个		Usage ban 禁用						
<i>Dipropyltin compounds (DPT)</i> 二丙基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0			mg/kg		
<i>Tripropyltin compounds (TPT)</i> 三丙基锡化合物	Several 多个	All 全部	Usage ban 禁用	0.5			mg/kg		

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UV stabilizers 紫外线稳定剂									
UV 320	36437-37-3	All 全部	Usage ban 禁用	1000			mg/kg	ISO 24040 // Extraction with Tetrahydrofuran // GC-MS	
UV 327	25973-55-1	All 全部	Usage ban 禁用	1000			mg/kg	ISO 24040 // 四氢呋喃萃取 // GC-MS	
UV 328	3864-99-1	All 全部	Usage ban 禁用	1000			mg/kg		
UV 350	3846-71-7	All 全部	Usage ban 禁用	1000			mg/kg		

6 Annex (Compilation of individual substances) 附录 (个别限用物质的汇总清单)

In the following tables single substances belonging to groups:

属于以下每个物质组的单个物质在后面表格中逐一列出:

- Arylamines
- Biocides
- Chlorinated Benzenes and Toluenes
- Chlorinated Phenols
- Colorants
- Dioxins and Furans
- Fibers
- Flame Retardants
- Halogenated Diarylalkanes
- Isocyanates
- Pesticides
- PFAS Chemicals
- PFCA Chemicals
- Plasticizers
- Polyaromatic hydrocarbons (PAHs)
- 芳香胺
- 杀菌剂
- 氯代苯和氯代甲苯类
- 氯代苯酚
- 着色剂
- 二噁英及呋喃
- 纤维
- 阻燃剂
- 卤代双环烷类
- 异氰酸酯
- 杀虫剂
- 全氟烷基磺酸化学品
- 全氟烷基羧酸化学品
- 塑化剂
- 多环芳香烃 (PAHs)

are listed.

Limit values and test methods are provided in chapter 5.2.

限值和测试方法在第 5.2 章节有提供参考。

Chemical Name 化学名称	CAS Number 化学品文摘号	Chemical Name 化学名称	CAS Number 化学品文摘号
Arylamines 芳香胺		<i>Xylidines and its salts - with the exception of those specified elsewhere</i> 二甲基苯胺及其盐-除另有规定外	Several 多个
<i>2,4-Diaminoanisole and its salts</i> 2,4-二氨基苯甲醚及其盐	Several 多个		
2,4-Diaminoanisole 2,4-二氨基苯甲醚	615-05-4	<i>2,4-Xylidine and its salts</i> 2,4-二甲苯胺及其盐	Several 多个
2,4-Diaminoanisole sulphate 2,4-二氨基苯甲醚硫酸盐	39156-41-7	2,4-Xylidine 2,4-二甲苯胺	95-68-1
<i>2,4-Diaminotoluene and its salts</i> 2,4-二氨基甲苯及其盐	Several 多个	<i>2,6-Xylidine and its salts</i> 2,6-二甲苯胺及其盐	Several 多个
2,4-Diaminotoluene 2,4-二氨基甲苯	95-80-7	2,6-Xylidine 2,6-二甲苯胺	87-62-7
<i>2-Naphthylamine and its salts</i> 2-萘胺及其盐	Several 多个	<i>Nitrotoluidines and its salts</i> 硝基甲苯胺及其盐	Several 多个
2-Naphthylamine 2-萘胺	91-59-8		
2-Naphthylammoniumacetate 2-萘基醋酸铵	553-00-4	<i>2-Amino-4-nitrotoluene and its salts</i> 2-氨基-4-硝基甲苯及其盐	Several 多个
<i>4,4'-Diaminodiphenylmethane and its salts</i> 4,4'-二氨基二苯甲烷及其盐	Several 多个	2-Amino-4-nitrotoluene 2-氨基-4-硝基甲苯	99-55-8
4,4'-Diaminodiphenylmethane 4,4'-二氨基二苯甲烷	101-77-9	<i>Anisidines and its salts</i> 甲氧基苯胺及其盐	Several 多个
<i>4,4'-Methylenebis-(2-chloraniline) and its salts</i> 4,4'-亚甲基-双-(2-氯苯胺)及其盐	Several 多个	Anisidine (o-, p-isomers) 甲氧基苯胺 (邻/对-异构体)	29191-52-4
4,4'-Methylenebis-(2-chloraniline) 4,4'-亚甲基-双-(2-氯苯胺)	101-14-4	<i>2-Anisidine and its salts</i> 2-甲氧基苯胺及其盐	Several 多个
<i>4-Amino-3-fluorophenol and its salts</i> 4-氨基-3-氟苯酚及其盐	Several 多个	2-Anisidine 2-甲氧基苯胺	90-04-0
4-Amino-3-fluorophenol 4-氨基-3-氟苯酚	399-95-1	<i>Benzidines and its salts</i> 联苯胺及其盐	Several 多个
<i>4-Aminobiphenyl and its salts</i> 4-氨基联苯及其盐	Several 多个		

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Arylamines (continued) 芳香胺 (接上)		<i>3,3'-Dichlorobenzidine and its salts - with the exception of those specified elsewhere</i> 3,3'-二氯联苯胺及其盐-特别说明除外	Several 多个
4-Aminobiphenyl 4-氨基联苯	92-67-1		
<i>4-Chloroaniline and its salts</i> 4-氯苯胺及其盐	Several 多个		
4-Chloroaniline 4-氯苯胺	106-47-8	3,3'-Dichlorobenzidine 3,3'-二氯联苯胺	91-94-1
<i>6-Amino-2-ethoxynaphthalene and its salts</i> 6-氨基-2-乙氧基萘及其盐	Several 多个	<i>o-Dianisidines and its salts - with the exception of those specified elsewhere</i> 邻-联甲氧基苯胺及其盐-除另有规定外	Several 多个
6-Amino-2-ethoxynaphthalene 6-氨基-2-乙氧基萘	293733-21-8		
<i>o-Aminoazotoluene and its salts</i> 邻氨基偶氮甲苯及其盐	Several 多个	3,3'-Dimethoxybenzidine 3,3'-二甲氧基联苯胺	119-90-4
<i>o-Aminoazotoluene</i> 邻氨基偶氮甲苯	97-56-3	<i>3,3'-Dimethylbenzidine and its salts</i> 3,3'-二甲基联苯胺及其盐	Several 多个
<i>p-Aminoazobenzene and its salts</i> 对氨基偶氮苯及其盐	Several 多个	3,3'-Dimethylbenzidine 3,3'-二甲基联苯胺	119-93-7
<i>p-Aminoazobenzene</i> 对氨基偶氮苯	60-09-3	<i>Benzidine and its salts</i> 联苯胺及其盐	Several 多个
Trimethylanilines and its salts 三甲基苯胺及其盐	Several 多个	Benzidine 联苯胺	92-87-5
		Benzidine acetate 联苯胺乙酸盐	36341-27-2
<i>2,4,5-Trimethylaniline and its salts</i> 2,4,5-三甲基苯胺及其盐	Several 多个	Benzidine dihydrochloride 联苯胺二盐酸盐	531-85-1
2,4,5-Trimethylaniline 2,4,5-三甲基苯胺	137-17-7	Benzidine, sulfate 联苯胺硫酸盐	21136-70-9
2,4,5-Trimethylaniline hydrochloride 2,4,5-三甲基苯胺盐酸盐	21436-97-5	Benzidine, sulfate (1:1) 联苯胺硫酸盐(1:1)	531-86-2

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Arylamines (continued) 芳香胺 (接上)		4,4'-Thiodianiline and its salts 4,4'-二氨基二苯硫醚及其盐	Several 多个
Toluidines and its salts 甲苯胺及其盐	Several 多个	4,4'-Thiodianiline 4,4'-二氨基二苯硫醚	139-65-1
4,4'-Methylenedi-o-toluidine and its salts 4,4'-亚甲基二邻甲苯胺及其盐	Several 多个	Chlorotoluidines and its salts 氯甲苯胺及其盐	Several 多个
4,4'-Methylenedi-o-toluidine 4,4'-亚甲基二邻甲苯胺	838-88-0	4-Chloro-2-toluidine and its salts 4-氯-2-甲苯胺及其盐	Several 多个
m-Toluidine and its salts 间甲苯胺及其盐	Several 多个	4-Chloro-2-toluidine 4-氯-2-甲苯胺	95-69-2
m-Toluidine 间甲苯胺	108-44-1	4-chloro-2-toluidine hydrochloride 4-氯-2-甲苯胺盐酸盐	3165-93-3
o-Toluidine and its salts 邻甲苯胺及其盐	Several 多个	Biocides 杀菌剂	
o-Toluidine 邻甲苯胺	95-53-4	o-Phenylphenol 邻苯基苯酚	90-43-7
p-Cresidine and its salts 对甲酚啶及其盐	Several 多个	Chlorinated Benzenes and Toluenes 氯代苯和氯代甲苯类	
p-Cresidine 对甲酚啶	120-71-8	Chlorinated Benzenes 氯代苯类	Several 多个
p-Toluidine and its salts 对甲苯胺及其盐	Several 多个	Hexachlorobenzene 六氯苯	118-74-1
p-Toluidine 对甲苯胺	106-49-0	Hexachlorobenzene 六氯苯	118-74-1
Dianilines and its salts 二苯胺及其盐	Several 多个	Monochlorobenzene 一氯苯	108-90-7
4,4'-Oxydianiline and its salts 4,4'-二氨基二苯醚及其盐	Several 多个	Pentachlorobenzene 五氯苯	608-93-5
4,4'-Oxydianiline 4,4'-二氨基二苯醚	101-80-4		

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Chlorinated Benzenes and Toluenes 氯代苯和氯代甲苯类		<i>Trichlorotoluenes, all isomers</i> 三氯甲苯,及其异构体	Several 多个
<i>Tetrachlorobenzenes, all isomers</i> 四氯苯,及其异构体	Several 多个	2,3,4-Trichlorotoluene 2,3,4-三氯甲苯	7359-72-0
1,2,3,4-Tetrachlorobenzene 1,2,3,4-四氯苯	634-66-2	2,3,6-Trichlorotoluene 2,3,6-三氯甲苯	2077-46-5
1,2,3,5-Tetrachlorobenzene 1,2,3,5-四氯苯	634-90-2	2,4,5-Trichlorotoluene 2,4,5-三氯甲苯	6639-30-1
1,2,4,5-Tetrachlorobenzene 1,2,4,5-四氯苯	95-94-3	2,4,6-Trichlorotoluene 2,4,6-三氯甲苯	23749-65-7
<i>Trichlorobenzenes, all isomers</i> 三氯苯,及其异构体	Several 多个	3,4,5-Trichlorotoluene 3,4,5-三氯甲苯	21472-86-6
1,2,3-Trichlorobenzene 1,2,3-三氯苯	87-61-6	a,a,a-Trichlorotoluene a,a,a-三氯甲苯	98-07-7
1,2,4-Trichlorobenzene 1,2,4-三氯苯	120-82-1	<i>Dichlorotoluenes, all isomers</i> 二氯甲苯,及其异构体	Several 多个
1,3,5-Trichlorobenzene 1,3,5-三氯苯	108-70-3	2,3-Dichlorotoluene 2,3-二氯甲苯	32768-54-0
<i>Dichlorobenzenes, all isomers</i> 二氯苯,及其异构体	Several 多个	2,4-Dichlorotoluene 2,4-二氯甲苯	95-73-8
1,2-Dichlorobenzene 1,2-二氯苯	95-50-1	2,5-Dichlorotoluene 2,5-二氯甲苯	19398-61-9
1,3-Dichlorobenzene 1,3-二氯苯	541-73-1	2,6-Dichlorotoluene 2,6-二氯甲苯	118-69-4
1,4-Dichlorobenzene 1,4-二氯苯	106-46-7	3,4-Dichlorotoluene 3,4-二氯甲苯	95-75-0
Chlorinated Toluenes 氯代甲苯类	Several 多个	3,5-Dichlorotoluene 3,5-二氯甲苯	25186-47-4
Chlorotoluene, unspecific mixture 氯甲苯, 不特定混合物	25168-05-2	<i>Monochlorotoluenes, all isomers</i> 一氯甲苯,及其异构体	Several 多个
Pentachlorotoluene 五氯甲苯	877-11-2		

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Chlorinated Benzenes and Toluenes (continued) 氯代苯和氯代甲苯类 (接上)		2,3,4-Trichlorophenol 2,3,4-三氯苯酚	15950-66-0
2-Chlorotoluene 2-一氯甲苯	95-49-8	2,3,5-Trichlorophenol 2,3,5-三氯苯酚	933-78-8
3-Chlorotoluene 3-一氯甲苯	108-41-8	2,3,6-Trichlorophenol 2,3,6-三氯苯酚	933-75-5
4-Chlorotoluene 4-一氯甲苯	106-43-4	2,4,5-Trichlorophenol 2,4,5-三氯苯酚	95-95-4
<i>Tetrachlorotoluenes, all isomers</i> 四氯甲苯, 及其异构体	Several 多个	2,4,6-Trichlorophenol 2,4,6-三氯苯酚	88-06-2
2,3,4,5-Tetrachlorotoluene 2,3,4,5-四氯甲苯	1006-32-2	3,4,5-Trichlorophenol 3,4,5-三氯苯酚	609-19-8
2,3,4,6-Tetrachlorotoluene 2,3,4,6-四氯甲苯	875-40-1	<i>Pentachlorophenol, its salts, esters and compounds</i> 五氯苯酚, 及其盐和化合物	Several 多个
2,3,5,6-Tetrachlorotoluene 2,3,5,6-四氯甲苯	1006-31-1	Pentachlorophenol 五氯苯酚	87-86-5
a,a,a,2-Tetrachlorotoluene a,a,a,四氯甲苯	2136-89-2	Mono- and Dichlorophenols 一氯-二氯苯酚	Several 多个
a,a,a,4-Tetrachlorotoluene a,a,a,四氯甲苯	5216-25-1	<i>Dichlorophenols, all isomers</i> 二氯苯酚, 及其异构体	25167-81-1
Chlorinated Phenols 氯代苯酚		2,3-Dichlorophenol 2,3-二氯苯酚	576-24-9
<i>Tetrachlorophenol, its salts and compounds</i> 四氯苯酚, 及其盐和化合物	25167-83-3	2,4-Dichlorophenol 2,4-二氯苯酚	120-83-2
2,3,4,5-Tetrachlorophenol 2,3,4,5-四氯苯酚	4901-51-3	2,5-Dichlorophenol 2,5-二氯苯酚	583-78-8
2,3,4,6-Tetrachlorophenol 2,3,4,6-四氯苯酚	58-90-2	2,6-Dichlorophenol 2,6-二氯苯酚	87-65-0
2,3,5,6-Tetrachlorophenol 2,3,5,6-四氯苯酚	935-95-5	3,4-Dichlorophenol 3,4-二氯苯酚	95-77-2
<i>Trichlorophenol, all isomers</i> 三氯苯酚, 及其异构体	25167-82-2	3,5-Dichlorophenol 3,5-二氯苯酚	591-35-5

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Chlorinated Phenols 氯代苯酚		Direct Yellow 1 直接黄 1	6472-91-9
<i>Monochlorophenols, all isomers</i> 一氯苯酚, 及其异构体	25167-80-0	Disperse Orange 149 分散橙 149	85136-74-9
2-Chlorophenol 2-氯苯酚	95-57-8	Disperse Yellow 23 分散黄 23	6250-23-3
3-Chlorophenol 3-氯苯酚	108-43-0	Solvent Blue 4 溶剂蓝 4	6786-83-0
4-Chlorophenol 4-氯苯酚	106-48-9	Basic Violet 3 - with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) 碱性紫 3	548-62-9
Colorants 着色剂			
Colorants banned for other reasons 其他禁用着色剂	Several 多个	Basic Violet 3 [1] 碱性紫 3 [1]	548-62-9
Acid Orange 24 酸性橙 24	1320-07-6	Basic Violet 3 [2] 碱性紫 3 [2]	603-48-5
Acid Violet 49 酸性紫 49	1694-09-3	Basic Violet 3 [3] 碱性紫 3 [3]	14426-25-6
Basic Blue 26 - with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) 碱性蓝 26	2580-56-5	<i>Navy Blue: 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)chromat</i> 海军蓝	Several 多个
Basic Violet 1 碱性紫 1	8004-87-3	Disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-)	118685-33-9
Direct Black 91 直接黑 91	6739-62-4		
Direct Blue 218 直接蓝 218	28407-37-6	Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromat	
Direct Blue 76 直接蓝 76	16143-79-6		

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Colorants (continued) 着色剂 (接上)		Disperse Yellow 49 分散黄 49	54824-37-2
Colorants with allergenic potential 可致敏着色剂	Several 多个	Disperse Yellow 9 分散黄 9	6373-73-5
Disperse Blue 102 分散蓝 102	12222-97-8	Solvent Yellow 14 溶剂黄 14	842-07-9
Disperse Blue 106 分散蓝 106	12223-01-7	<i>Disperse Blue 35</i> 分散蓝 35	Several 多个
Disperse Blue 124 分散蓝 124	61951-51-7	Disperse Blue 35 [1] 分散蓝 35 [1]	12222-75-2
Disperse Blue 26 分散蓝 26	3860-63-7	Disperse Blue 35 [2] 分散蓝 35 [2]	56524-77-7
Disperse Blue 3 分散蓝 3	2475-46-9	Disperse Blue 35 分散蓝 35	56524-76-6
Disperse Blue 7 分散蓝 7	3179-90-6	<i>Disperse Orange 37/59/76</i> 分散橙 37/59/76	Several 多个
Disperse Brown 1 分散棕 1	23355-64-8	Disperse Orange 37/59/76 [1] 分散橙 37/59/76 [1]	12223-33-5
Disperse Orange 1 分散橙 1	2581-69-3	Disperse Orange 37/59/76 [2] 分散橙 37/59/76 [2]	13301-61-6
Disperse Orange 3 分散橙 3	730-40-5	Disperse Orange 37/59/76 [3] 分散橙 37/59/76 [3]	51811-42-8
Disperse Red 1 分散红 1	2872-52-8	Colorants with carcinogenic potential 可致癌着色剂	Several 多个
Disperse Red 11 分散红 11	2872-48-2	Acid Red 26 酸性红 26	3761-53-3
Disperse Red 17 分散红 17	3179-89-3	Basic Red 9 碱性红 9	569-61-9
Disperse Yellow 1 分散黄 1	119-15-3	Basic Violet 14 碱性紫 14	632-99-5
Disperse Yellow 39 分散黄 39	12236-29-2	Direct Black 38 直接黑 38	1937-37-7

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Colorants (continued) 着色剂 (接上)		Malachite green oxalate 孔雀石绿草酸盐	2437-29-8
Direct Blue 6 直接蓝 6	2602-46-2	Dioxins and Furans 二噁英及呋喃	
Direct Brown 95 直接棕 95	16071-86-6	<i>Dioxins and Furans - Group 3</i> 二噁英及呋喃-组别 3	Several 多个
Direct Red 28 直接红 28	573-58-0	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
Disperse Blue 1 分散蓝 1	2475-45-8	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二噁英	3268-87-9
Disperse Orange 11 分散橙 11	82-28-0	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
Disperse Yellow 3 分散黄 3	2832-40-8	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin 1,2,3,4,6,7,8-七氯代二苯并对二噁英	35822-46-9
Pigment Red 104 颜料红 104	12656-85-8	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
Pigment Yellow 34 颜料黄 34	1344-37-2	Dioxins and Furans - Group 4 and 5 二噁英及呋喃-组别 4 和 5	Several 多个
Solvent Red 80 溶剂红 80	6358-53-8	<i>Dioxins and Furans - Group 5</i> 二噁英及呋喃组别 5	Several 多个
Solvent Violet 8 - with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2) 溶剂紫 8	561-41-1	1,2,3,4,7,8-Hexabromodibenzo-p-dioxin 1,2,3,4,7,8-六溴二苯并对二噁英	110999-44-5
Solvent Yellow 2 溶剂黄 2	60-11-7	1,2,3,6,7,8-Hexabromodibenzo-p-dioxin 1,2,3,6,7,8-六溴二苯并对二噁英	110999-45-6
<i>Basic Green 4</i> 碱性绿 4	Several 多个	1,2,3,7,8,9-Hexabromodibenzo-p-dioxin 1,2,3,7,8,9-六溴二苯并对二噁英	110999-46-7
Leucomalachite green 隐色孔雀石绿	129-73-7	1,2,3,7,8-Pentabromodibenzofuran 1,2,3,7,8-五溴二苯并呋喃	107555-93-1
Malachit green 孔雀石绿	10309-95-2	<i>Dioxins and Furans - Group 4</i> 二噁英及呋喃组别 4	Several 多个
Malachite green chloride 孔雀石绿盐酸物	569-64-2	1,2,3,7,8-Pentabromodibenzo-p-dioxin 1,2,3,7,8-五溴二苯并对二噁英	109333-34-8

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Dioxins and Furans (continued) 二噁英及呋喃 (接上)		2,3,4,7,8-Pentachlorodibenzofuran 2,3,4,7,8-五氯二苯并呋喃	57117-31-4
2,3,4,7,8-Pentabromodibenzofuran 2,3,4,7,8-五溴二苯并呋喃	131166-92-2	2,3,7,8-Tetrachlorodibenzofuran 2,3,7,8-四氯二苯并呋喃	51207-31-9
2,3,7,8-Tetrabromodibenzofuran 2,3,7,8-四溴二苯并呋喃	67733-57-7	2,3,7,8-Tetrachlorodibenzo-p-dioxin 2,3,7,8-四氯二苯并对二噁英	1746-01-6
2,3,7,8-Tetrabromodibenzo-p-dioxin 2,3,7,8-四溴二苯并对二噁英	50585-41-6	Fibers 纤维	
Dioxins and Furans - Group 1 and 2 二噁英及呋喃组别 1 & 2	Several 多个	Asbestos 石棉	Several 多个
<i>Dioxins and Furans - Group 2</i> 二噁英及呋喃组别 2	Several 多个	Actinolite 阳起石	77536-66-4
1,2,3,4,7,8-Hexachlorodibenzofuran 1,2,3,4,7,8-六氯代二苯并呋喃	70648-26-9	Amosite 铁石棉	12172-73-5
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,4,7,8-六氯二苯并对二噁英	39227-28-6	Anthophyllite 直闪石	77536-67-5
1,2,3,6,7,8-Hexachlorodibenzofuran 1,2,3,6,7,8-六氯代二苯并呋喃	57117-44-9	Chrysotile 温石棉	12001-29-5 132207-32-0
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,6,7,8-六氯二苯并对二噁英	57653-85-7	Crocidolite 青石棉	12001-28-4
1,2,3,7,8,9-Hexachlorodibenzofuran 1,2,3,7,8,9-六氯代二苯并呋喃	72918-21-9	Tremolite 透闪石	77536-68-6
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin 1,2,3,7,8,9-六氯二苯并对二噁英	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		
2,3,4,6,7,8-Hexachlorodibenzofuran 2,3,4,6,7,8-六氯代二苯并呋喃	60851-34-5		
<i>Dioxins and Furans - Group 1</i> 二噁英及呋喃-组别 1	Several 多个		
1,2,3,7,8-Pentachlorodibenzo-p-dioxin 1,2,3,7,8-五氯二苯并对二噁英	40321-76-4		

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Flame retardants 阻燃剂		Trixylyl phosphate (TXP) 三(二甲苯)磷酸酯	25155-23-1
Brominated alkyl alcohols 类溴化烷基醇类	Several 多个	Hexabromocyclododecan, all isomers - group for all major diastereoisomers identified 六溴环十二烷及其异构体-已识别主要的非对映异构体	Several 多个
2,2-Bis(bromomethyl)-1,3-propanediol 2,2-双(溴甲基)-1,3-丙二醇 (BBMP)	3296-90-0	μ -Hexabromocyclododecane μ -六溴环十二烷	134237-52-8
1-Propanol, 2,2-dimethyl-, tribromo derivates 1-丙醇, 2,2-二甲基-, 三溴衍生物	36483-57-5 1522-92-5	1,2,5,6,9,10-Hexabromocyclododecane 1,2,5,6,9,10-六溴环十二烷	3194-55-6
2,3-Dibromopropan-1-ol-(2,3-DBPA) 2,3-二溴丙烷-1-醇 (2,3-DBPA)	96-13-9	Hexabromocyclododecane 六溴环十二烷	25637-99-4
Bis(2,3-dibromopropyl) phosphate 双(2,3-二溴丙基)磷酸盐 (BDBPP)	5412-25-9	α -Hexabromocyclododecane α -六溴环十二烷	134237-50-6
Tetrabromobisphenol A 四溴双酚 A (TBBP A)	79-94-7	β -Hexabromocyclododecane β -六溴环十二烷	134237-51-7
Tetrabromobisphenol A bis(2,3-dibromopropylether) 四溴双酚 A 双(2,3-二溴丙基醚)	21850-44-2	Chlorinated Paraffins, all chain lengths 氯化石蜡, 所有链长	Several 多个
Tri(aziridin-1-yl) phosphine oxide 三亚乙基磷酰胺	545-55-1	Paraffin wax, chlorinated 氯化石蜡	63449-39-8
Trimethyl phosphate 磷酸三甲酯	512-56-1	Paraffin, C10-C13, chlorinated (SCCP) 短链氯化石蜡, C10-C13	85535-84-8
Tri-o-cresyl phosphate 磷酸三邻甲苯酯	78-30-8	Paraffin, C14-C17, chlorinated (MCCP) 中链氯化石蜡, C14-C17	85535-85-9
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	Paraffin, C18-C28, chlorinated(LCCP) 长链氯化石蜡, C18-C28	85535-86-0
Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 三(二氯丙基)磷酸酯	13674-84-5	Polybrominated diphenyl ethers 多溴联苯醚	Several 多个
Tris(2-chloroethyl) phosphate(TCEP) 磷酸三(2-氯乙基)酯, 三(2-氯乙基)磷酸酯	115-96-8	Decabromodiphenyl ether (DecaBDE) 十溴二苯醚	1163-19-5
Tris(methylphenyl) phosphate 磷酸三甲苯酯	1330-78-5	Tetrabromodiphenyl ether (TetraBDE) 四溴二苯醚	40088-47-9
Tris-[2-chloro-1-(chloromethyl)ethyl] phosphate 三(1,3-二氯丙基)磷酸酯(TDCP or TDCPP)	13674-87-8	Pentabromodiphenyl ether (PentaBDE) 五溴二苯醚	32534-81-9

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Flame retardants (continued) 阻燃剂 (接上)		Isocyanates 异氰酸酯	
<i>Tribromodiphenyl ether - (TriBDE)</i> 三溴二苯醚	49690-94-0	1,3-bis(isocyanatomethyl)benzene 间苯二甲基异氰酸酯 (XDI)	3634-83-1
<i>Octabromodiphenyl ether (HexaBDE)</i> 六溴二苯醚	32536-52-0	Hexamethylene-di-isocyanate 己二异氰酸酯 (HMDI)	822-06-0
<i>Nonabromodiphenyl ether (NonaBDE)</i> 九溴二苯醚	63936-56-1	Isophorone-di-isocyanate 异佛尔酮二异氰酸酯 (IPDI)	4098-71-9
<i>Hexabromodiphenyl ether (HexaBDE)</i> 六溴二苯醚	36483-60-0	Tetramethylxylene-di-isocyanate 四甲基二甲苯二异氰酸酯 (TMXDI)	2778-42-9
<i>Heptabromodiphenyl ether (HeptaBDE)</i> 七溴二苯醚	68928-80-3	Diphenylmethane-di-isocyanates 二苯基甲烷二异氰酸酯 (MDI)	Several 多个
<i>Monobromodiphenyl ether (MonoBDE)</i> 单溴二苯醚	Several 多个	Diphenylmethane-2,2-di-isocyanate 二苯基甲烷-2,2-二异氰酸酯 (2,2MDI)	2536-05-2
2-Bromodiphenyl ether 2-溴二苯醚	7025-06-1	Diphenylmethane-2,4-di-isocyanate 二苯基甲烷-2,4-二异氰酸酯 (2,4-MDI)	5873-54-1
3-Bromodiphenyl ether 3-溴二苯醚	6876-00-2	Diphenylmethane-4,4-di-isocyanate 二苯基甲烷-4,4'-二异氰酸酯 (MDI)	101-68-8
4-Bromodiphenyl ether 4-溴二苯醚	101-55-3	Methylenediphenyl diisocyanate - mixed isomers MDI 混合异构体	26447-40-5
Polybrominated diphenyl ethane 多溴二苯乙烷	Several 多个	Toluene-di-isocyanates 甲苯二异氰酸酯 (TDI)	Several 多个
Decabromodiphenylethane 十溴二苯乙烷	84852-53-9	Toluene-2,4-di-isocyanate 甲苯-2,4-二异氰酸酯 (2,4-TDI)	584-84-9
Halogenated Diarylalkanes 卤代双环烷类		Toluene-2,6-di-isocyanate 甲苯-2,6-二异氰酸酯 (2,6-TDI)	91-08-7
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		

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Pesticides 杀虫剂		Cypermethrin 氯氰菊酯	52315-07-8
Aldrin 艾氏剂	309-00-2	Deltamethrin 溴氰菊酯	52918-63-5
Azinphos ethyl 乙基谷硫磷(益棉磷)	2642-71-9	Diazinon 二嗪农	333-41-5
Azinphos methyl 甲基谷硫磷(保棉磷)	86-50-0	Dichlorprop 2,4-滴丙酸	120-36-5
Bromophos-ethyl 乙基溴硫磷	4824-78-6	Diclotophos 百治磷	141-66-2
Captafol 敌菌丹	2425-06-1	Dieldrine 狄氏剂	60-57-1
Carbaryl 胺甲萘	63-25-2	Dimethoate 乐果	60-51-5
Chlordane 氯丹	57-74-9	Dinotefuran 呋虫胺	165252-70-0
Chlordecone 十氯酮	143-50-0	Endosulfan, alpha α-硫丹	959-98-8
Chlordimeform 克死螨	6164-98-3	Endosulfan, beta β-硫丹	33213-65-9
Chlorfenvinphos 毒虫畏	470-90-6	Endrin 异狄氏剂	72-20-8
Chlorobenzilate 克氯苯	510-15-6	Esfenvalerate 高氰戊菊酯	66230-04-4
Clothianidin 噻虫胺	210880-92-5	Ethyl parathion 乙基对硫磷	56-38-2
Coumaphos 蝇毒磷	56-72-4	Fenvalerate 氰戊菊酯	51630-58-1
Cyfluthrin 氟氯氰菊酯	68359-37-5	Heptachlor 七氯	76-44-8
Cyhalothrin, lambda 三氟氯氰菊酯	91465-08-6	Heptachlor epoxide 环氧七氯	1024-57-3

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Pesticides (continued) 杀虫剂 (接上)		Monocrotophos 久效磷	6923-22-4
Imidacloprid (ISO) 吡虫啉	105827-78-9 138261-41-3	o,p'-Dichlorodiphenyl-dichloroethane 米托坦;1-(2-氯苯基)-1-(4-氯苯基)-2,2-二氯乙烷	53-19-0
Isodrin 异艾氏剂	465-73-6	o,p'-Dichlorodiphenyl-dichloroethylene 3-邻氯苯基-2-对氯苯基-1,1-二氯乙烯	3424-82-6
Kelevane 克来范	4234-79-1	o,p'-Dichlorodiphenyl-trichloroethane 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
Lindane (ISO) 林丹	58-89-9	p,p'-Dichlorodiphenyldichloroethane 2,2-双(对氯苯基)-1,1-二氯乙烷	72-54-8
Malathion 马拉松(有机磷杀虫剂)	121-75-5	p,p'-Dichlorodiphenyl-dichloroethylene 2,2-双(4-氯苯基)-1,1-二氯乙烯	72-55-9
MCPA 2-甲-4-苯氧基乙酸	94-74-6	p,p'-Dichlorodiphenyl-trichloroethane 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
MCPB 氯丁酸	94-81-5	Perthane 乙滴滴	72-56-0
Mecoprop 丙酸	93-65-2	Phosphamidon 磷胺	13171-21-6
Methamidophos 甲胺磷	10265-92-6	Profenophos 丙溴磷	41198-08-7
Methoxychlor 甲氧滴滴涕	72-43-5	Propetamphos 胺丙畏	31218-83-4
Methyl parathion 甲基对硫磷	298-00-0	Quinalphos 喹硫磷	13593-03-8
Mevinophos 速灭磷	7786-34-7	Strobane 毒杀芬	8001-50-1
Mirex 灭蚁灵	2385-85-5	Telodrin 碳氯灵	297-78-9

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Pesticides (continued) 杀虫剂 (接上)		Nitenpyram, its salts, esters and compounds 烯啶虫胺, 其盐、酯类及化合物	Several 多个
Thiamethoxam 噻虫嗪	153719-23-4	Nitenpyram [1] 烯啶虫胺[1]	150824-47-8
Tiacloprid 噻虫啉	111988-49-9	Nitenpyram [2] 烯啶虫胺[2]	120738-89-8
Toxaphene 八氯萘烯	8001-35-2	2,4,5-Trichlorophenoxyacetic acid, its salts, esters and Compounds 2,4,5-三氯苯氧基乙酸, 其盐、酯类及化合物	Several 多个
Tribufos (DEF) 脱叶磷	78-48-8	2,4,5-Trichlorophenoxy acetic acid 2,4,5-三氯苯氧基乙酸	93-76-5
Trifluralin - containing < 0.5 ppm NPDA 氟乐灵	1582-09-8		
Hexachlorocyclohexane, all isomers 六氯环己烷及其同分异构体	608-73-1		
Acetamiprid, its salts, esters and compounds 啶虫脒, 其盐、酯类及化合物	Several 多个		
Acetamiprid (ISO) 啶虫脒	135410-20-7		
Acetamiprid [2] 啶虫脒	160430-64-8		
Dinoseb, its salts, esters and acetate 地乐酚, 其盐、酯类及化合物	Several 多个		
Dinoseb 地乐酚	88-85-7		
2,4-Dichlorophenoxyacetic acid, salts, esters and compounds 2,4-二氯苯氧基乙酸, 其盐、酯类及化合物	Several 多个		
2,4-Dichlorophenoxy acetic acid 2,4-二氯苯氧基乙酸	94-75-7		

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PFAS (Poly- and perfluoroalkyl substances) PFAS (多氟/全氟烷基化合物)		Potassium perfluorooctanoate 全氟辛酸钾	2395-00-8
Perfluorooctane sulfonic acid and its derivatives 全氟辛烷磺酸及其衍生物 (PFOS)	Several 多个	Perfluorooctanoic acid related substances 全氟辛酸相关物质(PFOA)	Several 多个
Perfluorooctane sulphonic acid and its salts 全氟辛烷磺酸及其盐	Several 多个	Methyl perfluorooctanoate 十五氟辛酸甲酯	376-27-2
Ammonium perfluorooctane sulfonate 全氟辛烷磺酸铵	29081-56-9	Ethyl perfluorooctanoate 全氟辛酸乙酯	3108-24-5
Diethanolamine perfluorooctane sulfonate 全氟辛烷磺酸二乙醇胺	70225-14-8	Perfluorooctylethyl alcohols 全氟癸醇	Several 多个
Lithium perfluorooctane sulfonate 全氟辛烷磺酸锂	29457-72-5	Perfluorooctylethanol 全氟癸醇	678-39-7
Perfluorooctane sulfonate 全氟辛烷磺酸	45298-90-6	Perfluorooctylethyl olefins 全氟辛基乙烯烯烃	Several 多个
Perfluorooctane sulfonic acid (PFOS) 全氟辛烷磺酸	1763-23-1	Perfluorooctylethene 全氟己基乙烯	21652-58-4
Potassium heptadecafluoro-octane-1-sulphonate 全氟辛基磺酸钾	2795-39-3	Perfluorooctylethyl halides 全氟辛基乙基卤化物	Several 多个
Perfluorooctane sulfon amidoethanols 全氟辛烷磺酰胺乙醇	Several 多个	1H,1H,2H,2H-Perfluorodecyl iodide 1H,1H,2H,2H-全氟癸醇碘癸烷	2043-53-0
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8- heptadecafluoro- N-乙基全氟辛烷磺酰胺	4151-50-2	Heptadecafluoro-1-iodooctane 十七氟-1-碘辛烷	507-63-1
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6, 7,7,8,8,8- heptadecafluoro-N-(2-hydroxyethyl)- N-乙基全氟辛烷磺酰胺乙醇	1691-99-2	Pentadecafluorooctyl fluoride 全氟辛氟	335-66-0
		Perfluorooctylethyl acrylate or methacrylate 全氟辛基乙基丙烯酸酯或甲基丙烯酸酯	Several 多个
Heptadecafluoro-N-methyloctane sulfonamide ethanol 全氟-N-甲基辛烷磺酰胺乙醇	24448-09-7	Perfluorooctylethyl polymers 全氟辛基乙基聚合物	Several 多个
		Perfluorocarboxylic acids (C9-C14) related substances 全氟羧酸 (C9-C14) 相关物质	Several 多个
Perfluorooctane sulfon polymers 全氟辛烷磺化聚合物	Several 多个	Perfluorodecanoic acid related substances 全氟癸酸相关物质	Several 多个

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Chemical Name 化学名称	CAS Number 化学品文摘号
PFAS (Poly- and perfluoroalkyl substances) PFAS (多氟/全氟烷基化合物)	
<i>Perfluorooctane sulfon halides</i> 全氟辛烷磺酰卤化物	Several 多个
1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro- 全氟辛烷磺酰氟	307-35-7
<i>Perfluorooctane sulfon amides</i> 全氟辛烷磺酰胺	Several 多个
Heptafluoro-N-methyloctane sulfonamide 全氟-N-甲基辛烷磺酰胺	31506-32-8
Perfluorooctane sulfonamide 全氟辛烷磺酰胺	754-91-6
<i>Perfluorooctane sulfon amidoethyl (meth)acrylates</i> 全氟辛烷磺乙酰胺基(甲基)丙烯酸酯	Several 多个
<i>Perfluorohexanoic acid and its salts</i> 全氟己酸及其盐	Several 多个
Perfluorohexanoic acid (PFHxA) 全氟己酸	307-24-4
<i>Perfluorooctanoic acid and its salts</i> 全氟辛酸及其盐	Several 多个
Ammonium pentadecafluoro octanoate 十五氟辛酸铵	3825-26-1
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentafluoro-, sodium salt (1:1) 辛酸 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-钠盐(1:1)	335-95-5
Perfluorooctanoic acid (PFOA) 全氟辛酸	335-67-1
10:2 Fluorotelomer alcohol - (10:2 FTOH) 10:2 含氟调聚醇 (10:2 FTOH)	865-86-1

Chemical Name 化学名称	CAS Number 化学品文摘号
Plasticizers 塑化剂	
Phthalic acid esters 邻苯二甲酸酯	Several 多个
Bis-(2-methoxyethyl) phthalate 邻苯二甲酸二甲氧乙酯 (DMEP)	117-82-8
Butylbenzyl phthalate 邻苯二甲酸丁苄酯 (BBP)	85-68-7
Dibutyl phthalate 邻苯二甲酸二丁酯 (DBP)	84-74-2
Di-cyclohexyl phthalate 邻苯二甲酸二环己酯 (DCHP)	84-61-7
Diethyl phthalate 邻苯二甲酸二环己酯 (DCHP)	84-66-2
Diethylhexyl phthalate 邻苯二甲酸二辛酯 (DEHP)	117-81-7
Di-iso-butyl phthalate 邻苯二甲酸二异丁酯 (DIBP)	84-69-5
Di-iso-hexyl phthalate 邻苯二甲酸二异己酯 (DIHxP)	71850-09-4
Di-n-propyl phthalate 邻苯二甲酸二丙酯 (DPRP)	131-16-8
Di-iso-octyl phthalate 邻苯二甲酸二异辛酯 (DIOP)	27554-26-3
Di-iso-pentyl phthalate 邻苯二甲酸二异戊酯 (DIPP)	605-50-5
Dimethyl phthalate 邻苯二甲酸二甲酯 (DMP)	131-11-3
Di-n-hexyl phthalate 邻苯二甲酸二己酯 (DnHP)	84-75-3
Di-n-octyl phthalate 邻苯二甲酸二辛酯 (DnOP)	117-84-0

Chemical Name 化学名称	CAS Number 化学品文摘号	Chemical Name 化学名称	CAS Number 化学品文摘号
Plasticizers (continued) 塑化剂 (接上)		<i>Di-iso-decyl phthalate</i> 邻苯二甲酸二异癸酯 (DIDP)	Several 多个
Dinonyl phthalate 邻苯二甲酸二壬酯 (DNP)	84-76-4	Di-iso-decyl phthalate [1] 邻苯二甲酸二异癸酯 (DIDP) [1]	26761-40-0
Di-n-pentyl phthalate 邻苯二甲酸二戊酯 (DnPP)	131-18-0	Di-iso-decyl phthalate [2] 邻苯二甲酸二异癸酯 (DIDP) [2]	68515-49-1
n-Pentyl-isopentyl phthalate 正戊基异戊基邻苯二甲酸酯	776297-69-9		
<i>1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters</i> 邻苯二甲酸苄(C7-9 支链与直链)烷基酯	68515-40-2		
<i>1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich</i> 邻苯二甲酸二(C6-8 支链)烷基酯,富-C7 (DIHP)	71888-89-6		
<i>1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear Alkylesters</i> 邻苯二甲酸二(C7-11 支链与直链)烷基酯 (DHNUP)	68515-42-4		
<i>1,2-Benzenedicarboxylic acid, dihexyl ester, branched and Linear</i> 邻苯二甲酸戊基异己酯, 支链与直链	68515-50-4		
<i>1,2-Benzenedicarboxylic acid, dipentylester, branched and Linear</i> 邻苯二甲酸戊基异戊酯, 支链与直链	84777-06-0		
<i>1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters</i> 邻苯二甲酸二(C6-10)烷基酯或混癸基, 己基, 辛基酯	Several 多个		
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters 邻苯二甲酸二(C6-10)烷基酯	68515-51-5		
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters 邻苯二甲酸混(癸基, 己基, 辛基)酯	68648-93-1		

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Polyaromatic hydrocarbons (PAHs) 多环芳香烃	
Acenaphthene 芴	83-32-9
Acenaphthylene 芴烯	208-96-8
Anthracene 蒽	120-12-7
Benzo(ghi)perylene 苯并(ghi)芘	191-24-2
Benzo[rst]pentaphene 苯并[rst]戊芬	189-55-9
Dibenzo[b,def]chrysene 二苯并[b,def]蒽	189-64-0
Dibenzo[def,p]chrysene 二苯并[def,p]蒽	191-30-0
Cyclopenta[c,d]pyrene 环戊[c,d]芘	27208-37-3
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
Methylpyrene, 1- 1-甲基芘	2381-21-7
Naphthalene 萘	91-20-3
Naphtho[1,2,3,4-def]chrysene 萘[1,2,3,4-def]蒽	192-65-4
Phenanthrene 菲	85-01-8
Pyrene 芘	129-00-0

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