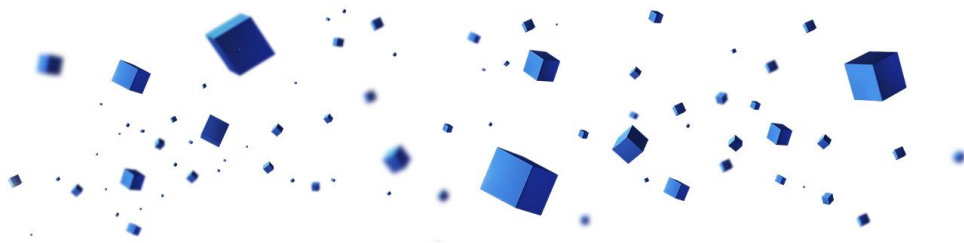


bluesign® Restricted Substances List (RSL)
bluesign® 限用物质清单 (RSL)

修订日志 CHANGES 2024

Version 15.0, 01 July 2024 – compared to Version 14.0, 01 July 2023
2024 年 7 月 1 日 | 15.0 版 – 相较于 2023 年 7 月 1 日 | 14.0 版





Purpose 目的

This document provides an overview of the changes in RSL version 15.0 compared to version 14.0.

Changes are marked in red.

本文件概述了RSL 15.0版中对比14.0版本的相关修订。

相关修订以红色标注。

Validity of RSL 15.0 RSL 15.0 版的適用性

RSL 15.0 comes into force on 01 July 2024.

It replaces the bluesign® Restricted Substances List (RSL) version 14.0 from 01 July 2023.

RSL 15.0版自2024年7月1日起生效。

其取代了2023年7月1日发布14.0版的bluesign® Restricted Substances List (RSL)。

For all bluesign® SYSTEM PARTNERS: Unless otherwise stated, the revised sections will be implemented by 01 July 2025 at the latest.

对于所有 bluesign® SYSTEM PARTNERS: 除非另有注明, 增收内容应不迟于2024年7月1日开始执行。

Consumer Safety Limits 使用者安全限值

Isocyanates 异氰酸酯						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 数值 A/B/C	Unit 单位	Comment 备注
2,4,6-Trimethyl-1,3-phenylene diisocyanate 2,4,6-三甲基-1,3-苯二异氰酸酯	16959-10-7	All 全部	Usage ban 禁用	1	mg/kg	New substance. Group limit. 新增物质, 适用组别限值

Other Chemical Substances 其他化学物质						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 数值 A/B/C	Unit 单位	Comment 备注
Bisphenol F 双酚 F	620-92-8	All 全部	Limitation 限用	100	mg/kg	Changed limit type from Usage ban to Limitation. 限用类型从禁用改为限用 Added specific limit 500 mg/kg for leather tanning and textile aftertreatment. 增加了皮革鞣制和纺织品后处理加工的特点限值 500 mg/kg

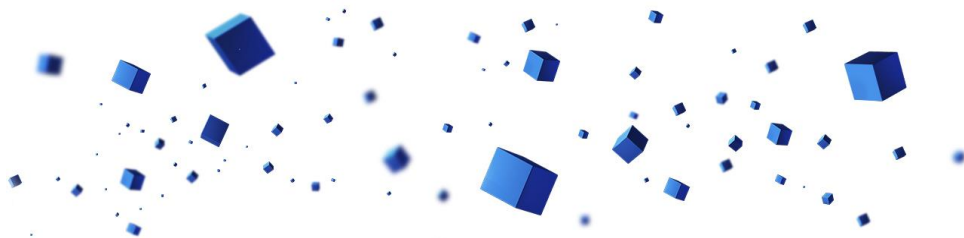
This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本清单为英文编写, 为便于理解翻译成中文。如中英文本不一致时, 请以英文文本为准。

bluesign® Restricted Substances List (RSL) - Consumer safety limits | Version 15.0 | 01 July 2024 - CHANGES compared to the previous version

限用物质清单 (RSL)-消费者安全限值 | 15.0 版 | 2024 年 7 月 1 日-相较于前一版本的修订

© bluesign technologies ag | www.bluesign.com



Other Chemical Substances 其他化学物质						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 数值 A/B/C	Unit 单位	Comment 备注
Azodicarbonamide (ADCA) 偶氮二甲酰胺 (ADCA)	123-77-3	All 全部	Usage ban 禁用	100/200/200	mg/kg	Not allowed for bluesign® APPROVED chemicals, however the usage on-site is tolerated, if no feasible alternative for foaming is available. 不允许使用于 bluesign® APPROVED 的化学品, 但如果如果没有可行的发泡替代品, 则被允许在现场使用。 Proof that consumer safety limit for ADCA is kept via finished article testing (e.g. footwear sole). 透过成品测试 (例如鞋底) 证明 ADCA 的使用者安全限值有被遵守
PFAS (Poly- and perfluoroalkyl substances) PFAS(多氟/全氟烷基化合物)						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 数值 A/B/C	Unit 单位	Comment 备注
Potassium perfluoroheptanoate 全氟庚酸钾	21049-36-5	All 全部	Usage ban 禁用	50	µg/kg	New substance listed in Annex. 在附录中的新物质 Group limit of Perfluoroheptanoic acid and its salts. 适用全氟庚酸及其盐类的组别限值
Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine 2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙-2-基)吗啉和 2,2,3,3,5,5,6,6-八氟-4-(七氟丙基)吗啉的反应物	EC No. 473-390-7	All 全部	Usage ban 禁用	100	µg/kg	New substance. 新物质

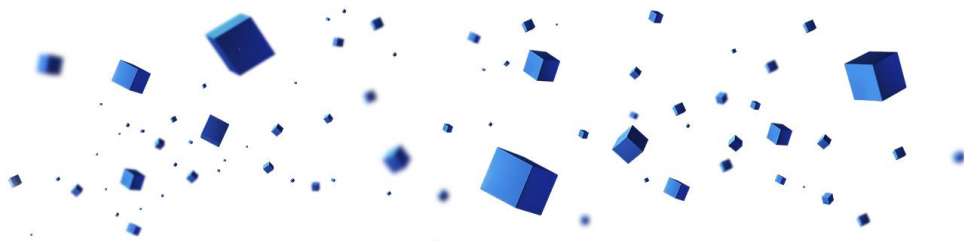
This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本清单为英文编写, 为便于理解翻译成中文。如中英文本不一致时, 请以英文文本为准。

bluesign® Restricted Substances List (RSL) - Consumer safety limits | Version 15.0 | 01 July 2024 - CHANGES compared to the previous version

限用物质清单 (RSL)-消费者安全限值 | 15.0 版 | 2024 年 7 月 1 日-相较于前一版本的修订

© bluesign technologies ag | www.bluesign.com



Tin-organic Compounds 有机锡化合物						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 数值 A/B/C	Unit 单位	Comment 备注
Monooctyltin compounds 单辛基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0	mg/kg	Limit is lowered. 降低限值
Diphenyltin compounds 二苯锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0	mg/kg	
Monomethyltin compounds 单甲基锡化合物	Several 多个	All 全部	Usage ban 禁用	1.0	mg/kg	

UV stabilizers 紫外线稳定剂						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 数值 A/B/C	Unit 单位	Comment 备注
UV-326	3896-11-5	All 全部	Usage ban 禁用	1000	mg/kg	New substances. 新物质
UV-329	3147-75-9	All 全部	Usage ban 禁用	1000	mg/kg	

Revised test methods 修订测试方法

Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型
Bisphenol A 双酚 A	80-05-7	Methanol or Methanol: Tetrahydrofuran (1:1) Extraction followed by LC-MS, LC-MS/MS or LC-PDA. 甲醛或甲醚: 四氢呋喃(1:1)萃取后 用 LC-MS, LC-MS/MS 或 LC-PDA	Changed test method. 改变检测方法
Bisphenol AF 双酚 AF	1478-61-1		
Bisphenol F 双酚 F	620-92-8		
Bisphenol S 双酚 S	80-09-1		
PFAS	All listed substances 所有列举物质	EN ISO 23702-1 (2023)	Valid for Leather. 适用于皮革
		CEN/TS 15968 (2010) prEN 17681-1:2023	Valid for Textile, Down/ feather, Polymer and Metal parts. 适用于纺织品, 羽绒制 品, 塑料和金属部件

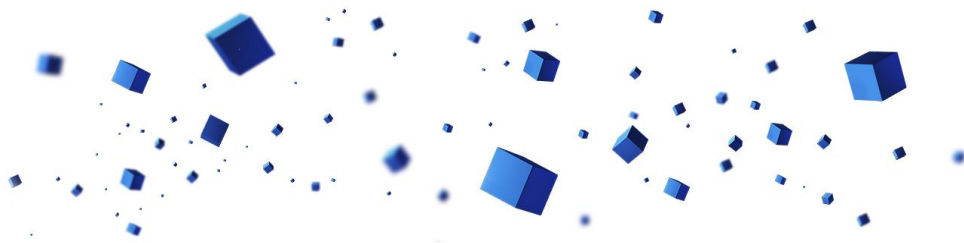
This document has been drafted in English and translated into Chinese for convenience only. In the event of discrepancy, the English version shall prevail.

本清单为英文编写, 为便于理解翻译成中文。如中英文本不一致时, 请以英文文本为准。

bluesign® Restricted Substances List (RSL) - Consumer safety limits | Version 15.0 | 01 July 2024 - CHANGES compared to the previous version

限用物质清单 (RSL)-消费者安全限值 | 15.0 版 | 2024 年 7 月 1 日-相较于前一版本的修订

© bluesign technologies ag | www.bluesign.com



Major changes in other chapters of the RSL

RSL 其他章节的主要修订

Chapter '3 Scope and Validity' changed to chapter '4 Scope and Validity'

第三章“范围及有效性”修改为第四章“范围及有效性”

Chapter '4 Testing methods' changed to chapter '3 Testing methods'

第四章“检测方法”改为第三章“检测方法”

Chapter '3.3 Articles from recycled material' changed to chapter '5.6. Articles from recycled material'

“3.3 回收材料制品”改为“5.6 回收材料制品”

Chapter '3.4 PFAS chemistry' changed to '5.7 PFAS phase-out'. Important amendment in that chapter '5.7 PFAS phase-out':

“3.4 PFAS 化学”改为“5.7 PFAS 淘汰计划”。“5.7 PFAS 淘汰计划”的重要修改：

- Certain dyestuff with a CF₃-group that formally fall under the PFAS definition and that were still listed in the bluesign® FINDER is subject to fast-track phase out. By 1st of July 2024 affected chemical products are removed from the bluesign® FINDER
- 在 bluesign® FINDER 中含有 CF₃ 基团且符合 PFAS 定义的染料将会加速淘汰。至 2024 年 7 月 1 日，所有受影响的化学产品已从 bluesign® FINDER 上删除。
- Residual amounts of CF₃-group containing dyestuff formulations which article manufacturers may still have in stock by 1st of July 2024 may be used up for producing bluesign® APPROVED articles. Latest by 1st of January 2026 articles and products that contain dyestuff with CF₃-groups shall not be put on the market labelled as bluesign® APPROVED or bluesign® PRODUCT.
- 截至 2024 年 7 月 1 日，制造商可能在库存中剩余含有 CF₃ 基团的染料，仍可用于生产 bluesign® APPROVED 制品。最迟自 2026 年 1 月 1 日起，含有 CH₃ 基团的染料产品及制品不得标示为 bluesign® APPROVED 或 bluesign® PRODUCT 流入市场。

Chapter '5 Restricted parameters and substance' renamed to '5. Consumer Safety Limits'

Chapter '5.1 Restricted parameters' and included table is replaced by chapters '5.1. pH-Value', '5.2. Odor', '5.3. Sensitizing Disperse Dyes', '5.4. Textiles Dyed with Disperse or Metal Complex Dyes' and '5.5. Color Fastness to Saliva and Perspiration'

Chapter '5.8. Restrictions and Bans for Chemical Substances' added.

“5 限用参数和物质”更名为“5.使用者安全限值”。

“5.1 限用参数”和其中的表格被“5.1. pH 值”，“5.2 异味”，“5.3 敏化分散染料”，“5.4 用分散或金属络合物染料染色的纺织品”和“5.5. 耐唾液及汗渍色牢度”取代。

增加“5.8 化学物质的限制和禁用”。