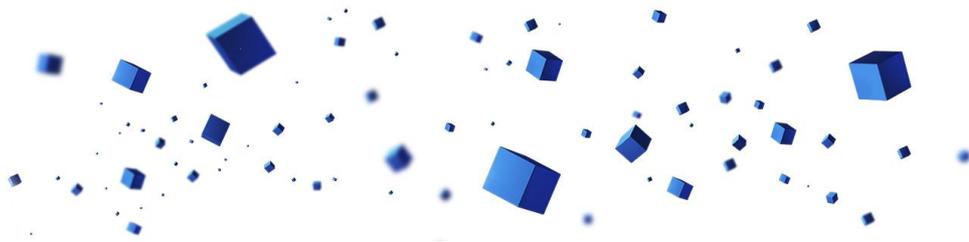


bluesign® system black limits (BSBL)
bluesign® system 黑色评级限值 (BSBL)
Threshold limit values for chemical substances in chemical products
化学品中受控物质阈值

修订日志 CHANGES 2024

Version 6.0, 01 July 2024 – compared to Version 5.0, 01 July 2023
6.0 版 | 2024 年 7 月 1 日 – 相较于 5.0 版 | 2023 年 7 月 1 日





Purpose 目的

This document provides an overview of the changes in BSBL version 6.0 compared to version 5.0. Changes are marked in red.

本文件概述了 BSBL 6.0 版中对比 5.0 版本的相关修订。修订部分以红色标记。

Validity of BSBL 6.0 BSBL 6.0 版有效性

BSBL 6.0 comes into force on 01 July 2024.

It replaces the bluesign® system black list (BSBL) version 5.0 from 01 July 2023.

BSBL 6.0 版于 2024 年 7 月 1 日生效执行。

同时取代 2023 年 7 月 1 日发行的 bluesign® system 黑色评级限值(BSBL) 5.0 版本。

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

所有 bluesign® SYSTEM PARTNERS 应不迟于 2025 年 07 月 01 日执行增改的章节。

Threshold Limit Values 阈值

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 阈值	Unit 单位	Comment 备注
Azobenzene 偶氮苯	103-33-3, 17082-12-1	All 全部	Usage ban 禁用	100	mg/kg	Second CAS number added. 增加另一个 CAS 号
Azodicarbonamide (ADCA) 偶氮二甲酰胺	123-77-3	All 全部	Usage ban 禁用	1000	mg/kg	Added comment: Not allowed for bluesign® APPROVED chemicals, however the usage on-site is tolerated, if no feasible alternative for foaming is available. 备注补充: 禁止用于 bluesign® APPROVED 的化学品, 但如果没有可行的发泡替代品, 则可暂许现场使用 Proof that consumer safety limit for ADCA is kept via finished article testing (e.g. footwear sole).

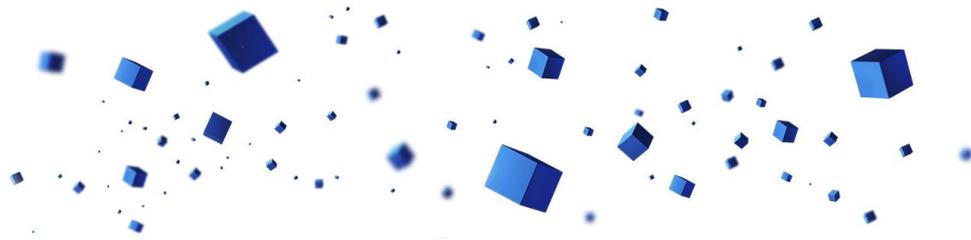
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						需通过制品成品测试（例如鞋底）以证明符合消费者安全限值要求。
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PFAS (Poly- and perfluoroalkyl substances) PFAS (全氟和多氟烷基物质)						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 阈值	Unit 单位	Comment 备注
Potassium perfluoroheptanoate 全氟庚酸钾	21049-36-5	All 全部	Usage ban 禁用	2000	µg/kg	New substance. 新增物质 Group limit of Perfluoroheptanoic acid and its salts. Listed in Annex. 适用全氟庚酸和其盐的组别限值列于附件中
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. 新增物质
Silver(1+) perfluorooctanoate 全氟辛酸银(1+)	335-93-3	All 全部	Usage ban 禁用	25	µg/kg	New substance listed in Annex. 新增物质列于附件中 Group limit of Perfluorooctanoic acid and its salts. 适用全氟辛酸和其盐的组别限值
Tridecafluoro-N-methylhexanesulphonamide 十三氟-N-甲基己磺酰胺	68259-15-4	All 全部	Usage ban 禁用	100	µg/kg	New substance listed in Annex. 新增物质列于附件中 Group limit of Perfluorohexane sulfonic acid and its derivatives. 适用全氟己烷磺酸及其衍生物的组别限值

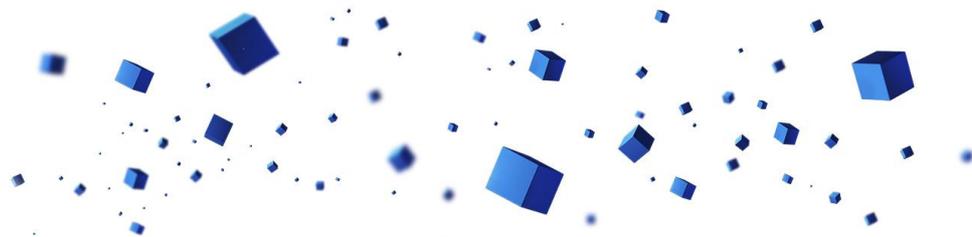
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3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptadecafluoro-1-decanesulfonic acid 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-十七氟-1-癸烷磺酸	39108-34-4	All 全部	Usage ban 禁用	100	µg/kg	New substances listed in Annex. 新增物质列于附件中
1-Dodecanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-1-十二烷磺酸, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-二十一氟-	120226-60-0	All 全部	Usage ban 禁用	100	µg/kg	Group limit of Perfluoroalkyl sulfonic acid and its salts - F(CF ₂) _n [n>8]. 适用全氟烷基磺酸及其盐 F(CF ₂) _n [n>8] 的组别限值
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecanoic acid 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-十七氟癸酸	27854-31-5	All 全部	Usage ban 禁用	25	µg/kg	New substances listed in Annex. 新增物质列于附件中 Group limit of Perfluorocarboxylic acids (C ₉ -C ₁₄) and its salts. 适用全氟羧酸及其盐的组别限值
2,2,3,4,4,5,5,6,6,7,8,8,8-Tridecafluoro-3,7-bis(trifluoromethyl)octanoic acid 2,2,3,4,4,5,5,6,6,7,8,8,8-十三氟-3,7-双(三氟甲基)辛酸	172155-07-6	All 全部	Usage ban 禁用	25	µg/kg	
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Heptadecafluoroundecanoic acid 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-十七氟十一烷酸	34598-33-9	All 全部	Usage ban 禁用	25	µg/kg	
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester 2-丙烯 酸,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-十七氟癸酯	27905-45-9	All 全部	Usage ban 禁用	1000	µg/kg	New substances listed in Annex. 新增物质列于附件中
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester 2-丙烯酸,2-甲基-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-十七氟癸酯	1996-88-9	All 全部	Usage ban 禁用	1000	µg/kg	Group limit of Perfluorooctanoic acid related substances. 适用全氟辛酸相关物质的组别限值

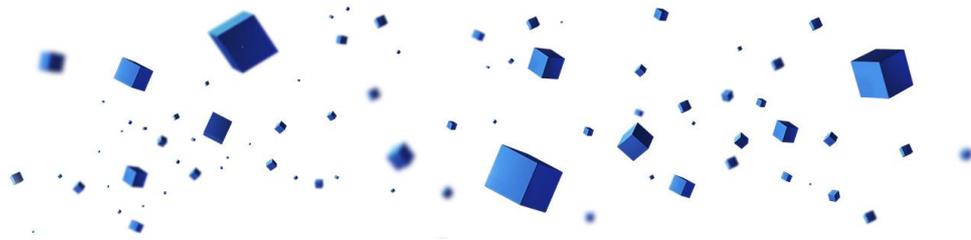
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PFAS (Poly- and perfluoroalkyl substances) PFAS (全氟和多氟烷基物质)						
Chemical Name 化学物质名称	CAS Number 化学品文摘号	Sector of Use 适用范围	Limit Type 限用类型	Value 阈值	Unit 单位	Comment 备注
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12- heneicosafuorododecyl ester 2-丙烯 酸,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-二十一 氟十二烷基酯	17741-60-5	All 全部	Usage ban 禁用	260	µg/kg	New substances listed in Annex. 新增物质列于附件中 Group limit of Perfluorocarboxylic acid (C9-C14) related substances. 适用全氟羧酸和相关物质 的组别限值
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12- heneicosafuorododecyl ester 2-丙烯酸,2-甲基 -,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-二十一 氟十二烷基酯	2144-54-9	All 全部	Usage ban 禁用	260	µg/kg	
Perfluorododecylethanol 全氟十二烷基乙醇	39239-77-5	All 全部	Usage ban 禁用	260	µg/kg	
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10-heneicosafuoro- 12-iodo- 十二烷, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10-二十二碳氟-12-碘 -	2043-54-1	All 全部	Usage ban 禁用	260	µg/kg	
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,11,11,12,12- pentacosafuoro-14-iodo- 十四烷, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8, 9,9,10,10,11,11,12,12-五氟- 14-碘-	30046-31-2	All 全部	Usage ban 禁用	260	µg/kg	

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Substances with usage restrictions but no consumer safety limits 有使用限制但没有消费者安全限值的物质

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 阈值	Unit 单位	Comment 备注
Ethylene diamine tetraacetic acid (EDTA), tetrasodium salt 乙二胺四乙酸 (EDTA) 及其四钠盐	64-02-8 10378-23-1	All 全部	Monitoring 监控	1000	mg/kg	EDTA and its salts. 乙二胺四乙酸 (EDTA) 及其盐
Ethylene diamine tetraacetic acid (EDTA), disodium salt 乙二胺四乙酸 (EDTA) 及其二钠盐	139-33-3 6381-92-6		Monitoring 监控	1000	mg/kg	Change of limit type from Usage Restriction to Monitoring. 将限制类型从限用更改为监控
Trisodium hydrogen ethylenediaminetetraacetate 乙二胺四乙酸氢三钠	150-38-9		Monitoring 监控	1000	mg/kg	Minimization requirement for all uses with exception of use as water softener in freshwater and process water preparation. 除在淡水和工艺用水制备中用作软水剂外, 其他所有使用均应最小化用量。
Ethylenediaminetetraacetic acid dipotassium salt 乙二胺四乙酸二钾盐	2001-94-7 25102-12-9		Monitoring 监控	1000	mg/kg	
Ethylenediaminetetraacetic acid magnesium disodium salt 乙二胺四乙酸二钠镁盐	14402-88-1		Monitoring 监控	1000	mg/kg	Usage ban for use as water softener in freshwater and process water preparation. 禁止用作淡水和工艺用水制备的软水剂
Ethylenediaminetetraacetic acid tetraammonium salt 乙二胺四乙酸铵	22473-78-5		Monitoring 监控	1000	mg/kg	Verification via input stream management. 通过输入流管理进行验证
Diethylenetriaminepentaacetic acid 二乙烯三胺五乙酸-(DTPA)	67-43-6		Usage ban 禁用	1000	mg/kg	DTPA and its salts. 二乙烯三胺五乙酸 (DTPA) 及其盐
Diethylene triamine pentaacetic acid (DTPA), sodium salt 二乙烯三胺五乙酸 (DTPA) 及其钠盐	140-01-2		Usage ban 禁用	1000	mg/kg	Change from usage restriction to usage ban, no exceptions allowed. 将限制类型从限用更改为禁用, 不允许任何例外。

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Substances with usage restrictions but no consumer safety limits 有使用限制但没有消费者安全限值的物质

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 阈值	Unit 单位	Comment 备注
Amino, tris(methylene phosphonic acid) 氨基三甲叉磷酸	6419-19-8	All 全部	Monitoring 监控	1000	mg/kg	Phosphonates and salts. 磷酸酯及其盐 Change of limit type from Usage Restriction to Monitoring. 将限制类型从限用更改为监控 Minimization requirement for all uses with exception of use as water softener in freshwater and process water preparation. 除在淡水和工艺用水制备中用作软水剂外, 其他所有使用均应最小化用量。 Usage ban for use as water softener in freshwater and process water preparation. 禁止用作淡水和工艺用水制备的软水剂 Verification via input stream management 通过输入流管理进行验证
Diethylenetriaminepenta(methylenephosphonic acid) 二乙烯三胺五甲叉磷酸	15827-60-8		Monitoring 监控	1000	mg/kg	
Diethylenetriaminepenta(methylenephosphonic acid) sodium salt 二乙烯三胺五甲叉磷酸钠	22042-96-2		Monitoring 监控	1000	mg/kg	
Ethylenediaminetetra(methylenephosphonic acid) 乙二胺四甲叉磷酸	1429-50-1		Monitoring 监控	1000	mg/kg	
1-Hydroxyethane-1,1-diphosphonic acid 羟基乙叉二磷酸	2809-21-4		Monitoring 监控	1000	mg/kg	
1-Hydroxyethane-1,1-diphosphonic acid disodium salt 1-羟基乙烷-1,1-二磷酸二钠盐	7414-83-7 29329-71-3		Monitoring 监控	1000	mg/kg	
1-Hydroxyethane-1,1-diphosphonic acid potassium salt 羟基乙叉二磷酸钾盐	67953-76-8		Monitoring 监控	1000	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 阈值	Unit 单位	Comment 备注
UV-326	3896-11-5	All 全部	Usage ban 禁用	1000	mg/kg	New substances. 新增物质
UV-329	3147-75-9			1000	mg/kg	
UV-320	3846-71-7	All 全部	Usage ban 禁用	1000	mg/kg	Changed limit from 300 mg/kg. 从 300 mg/kg 调整限值
UV-327	3864-99-1			1000	mg/kg	
UV-328	25973-55-1			1000	mg/kg	
UV-350	36437-37-3			1000	mg/kg	

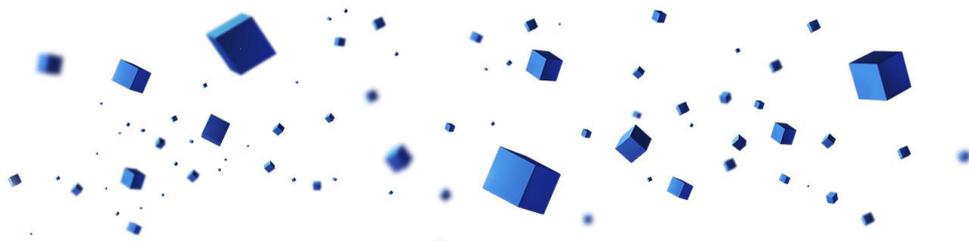
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Revised test methods 测试方法修订

Substances 物质	CAS Number 化学品文摘号	Revision 修订	Comment 备注
Bisphenol A 双酚 A	80-05-7	Methanol or Methanol: Tetrahydrofuran (1:1) 甲醇或甲醇：四氢呋喃 (1:1) Extraction followed by LC-MS, LC-MS/MS or LC-PDA. 萃取后进行 LC-MS, LC-MS/MS 或 LC-PDA.	Changed test method. 更改测试方法
Bisphenol AF 双酚 AF	1478-61-1		
Bisphenol B 双酚 B	77-40-7		
Bisphenol F 双酚 F	620-92-8		
Bisphenol S 双酚 S	80-09-1		
2-pyrrolidone 2-吡咯烷酮	616-45-5	LC- MS	Changed test method. 更改测试方法

Major changes in other chapters of the BSBL

BSBL 其他章节的主要变化

Created subchapters '6.1 PFAS phase-out' and subchapter '6.2 ETAD listed metals'. Important amendment in subchapter '6.1 PFAS phase-out':

新建子章节“6.1 PFAS 逐步淘汰”和子章节“6.2 ETAD 列出的金属种类”。对子章节“6.1 PFAS 逐步淘汰”的重要修订：

- 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.

某些具有 CF₃ 组别的染料，如果属于 PFAS 定义，但仍被列入 bluesign® FINDER，将会快速淘汰。截止 2024 年 7 月 1 日，受影响的化学产品将从 bluesign® FINDER 中删除。