

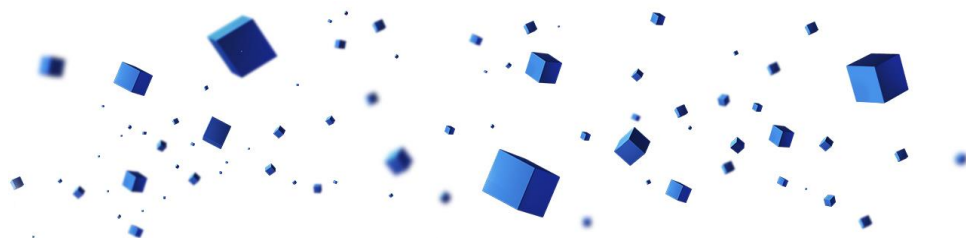
bluesign® system substances list (BSSL)

Consumer safety limits

CHANGES 2022

Version 13.0, 01 July 2022 – compared to Version 12.0, 01 July 2021





Purpose

This document provides an overview of the changes in BSSL version 13.0 compared to version 12.0. Changes are marked in red.

Validity of BSSL 13.0

BSSL 13.0 comes into force on 01 July 2022.

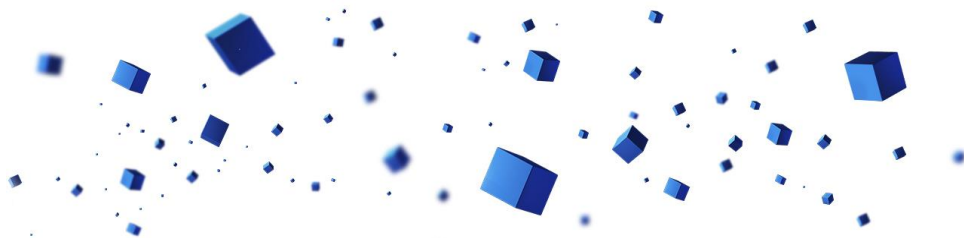
It replaces the bluesign® system substances list (BSSL) version 12.0 from 01 July 2021.

For all bluesign® SYSTEM PARTNERS: Unless otherwise stated, the revised sections will be implemented by 01 July 2023 at the latest.

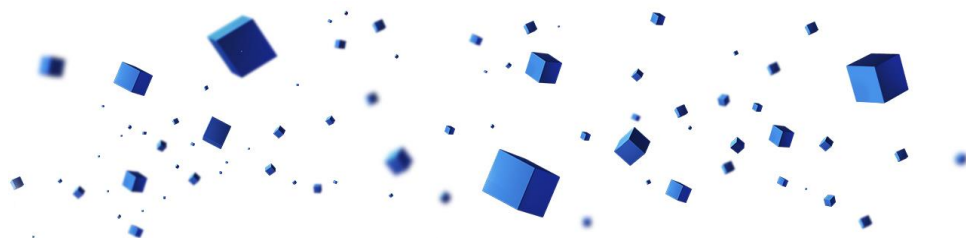
Consumer Safety Limits

pH-Value: Revised methods and change of pH-range for leather products: 3.2 - 4.5 (Topic 5.1 in BSSL)

Aldehydes								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Acrolein	107-02-8	All	Usage ban		20		mg/kg	Higher limit value.
Glutaraldehyde	111-30-8	Textiles Metal parts Polymer parts Down/feather	Usage ban		50		mg/kg	New substance.
		Leather	Limitation		50		mg/kg	
Formaldehyde	50-00-0	Leather						Revised test method.
Alkylphenoethoxylates (APEOs)								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Group	Several	All						Revised test method.
Alkylphenols (APs)								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Dodecylphenol, mixed isomers	27193-86-8	All	Usage ban		10		mg/kg	New group. Limit for sum of all allocated substances.
Phenol, dodecyl-, branched	121158-58-5	All	Usage ban					6 new substances of group dodecylphenol, mixed isomers. Listed in Annex.
Phenol, 4-dodecyl-, branched	210555-94-5	All	Usage ban					
Phenol, (tetrapropenyl) derivatives	74499-35-7	All	Usage ban					
Phenol, 4-dodecyl-	104-43-8	All	Usage ban					
Phenol, 4-isododecyl	27459-10-5 27147-75-7	All	Usage ban					
Phenol, tetrapropylene	57427-55-1	All	Usage ban					



Biocides								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Dimethylfumarate	624-49-7	Metal parts Polymer parts Down/feather Leather						Test method update: ISO 16186 (2021).
o-Phenylphenol and its salts	Several	Textiles						Test method update: DIN 50009 (2021).
Chlorinated Phenols								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Group	Several	All						New test method: DIN 50009 (2021).
Colorants								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Pigment Black 25	68186-89-0							Deleted from BSSL and BSBL.
Pigment Yellow 157	68610-24-2							Deleted from BSSL and BSBL.
Solvent Red 80	6358-53-8	All	Usage ban		20		mg/kg	New substance.
Direct Brown 95	16071-86-6	All						Moved to group "Colorants with carcinogenic potential".
Flame Retardants								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Brominated alkyl alcohols	Several							New group to cover new substances.
1-Propanol, 2,2-dimethyl-, tribromo deriv.	36483-57-5 1522-92-5	All	Usage ban		5		mg/kg	New substance.
2,3-Dibromopropan-1-ol - (2,3-DBPA)	96-13-9	All	Usage ban		5		mg/kg	New substance.
Chlorinated paraffins, all chain lengths	Several	Textiles						Revised test method: ISO 22818 (2021).
Chlorinated paraffins, all chain lengths	Several	Leather						Revised test method: ISO 18219 (2021).
Metals								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
"Metal" – as content	For all regulated metals, the restriction limits are valid for the content of elemental metal in the substances or articles. This did not change. To better cover this elemental content, for each regulated metal a new "substance" is created: "Metal" - as content. The BSSL limits are shifted to this substance. This does not cause any change in limits or rating of products; it just better reflects the requirements.							
Nickel – as content	7440-02-0	Metal parts Polymer parts						Revised test method for release: EN 12472 (2020).



Nitrosamines								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
N-Nitrosomethyl-n-propylamine	924-46-9	All	Usage ban		0.5		mg/kg	New substance.
N-Nitrosomethyl-n-butylamine	7068-83-9	All	Usage ban		0.5		mg/kg	New substance.
Other Chemical Substances								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
1,4-Dioxane	123-91-1	All	Usage ban		10		mg/kg	Usage ban. New limit value.
Bisphenol B	77-40-7	All	Usage ban		10		mg/kg	New substance.
Bisphenol S	80-09-1	All	Monitoring					Revised test method.
Sodium borohydride	16940-66-2	All	Usage ban		100		mg/kg	New substance.
Perfluoroalkyl carboxylic acids and derivatives - PFCA								
Perfluoroalkyl sulfonic acids and derivatives - PFSA								
<p>General usage ban for all PFCA/PFSA chemicals. All substances listed in this groups with status monitoring or limitation are changed to usage ban. Exceptions only possible for chemical products (based on C6 chemistry) that are intended for essential use as defined in coming EU regulation.</p>								
Polyaromatic Hydrocarbons (PAHs)								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Naphtho[1,2,3,4-def]chrysene	192-65-4	All	Usage ban					5 new substances in group. PAH group limit values apply.
Dibenzo[b,def]chrysene	189-64-0	All	Usage ban					
Benzo[<i>rst</i>]pentaphene	189-55-9	All	Usage ban					
Methylpyrene, 1-	2381-21-7	All	Usage ban					
Cyclopenta[<i>c,d</i>]pyrene	27208-37-3	All	Usage ban					
Solvents								
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Comment
Tetrahydrofuran	109-99-9	All	Limitation		100		mg/kg	Higher limit values.
Toluene	108-88-3	All	Usage ban	10	50	50	mg/kg	Usage ban. Shall not be used as replacement for xylene.
Xylene, all isomers	1330-20-7	All	Usage ban	50	100	100	mg/kg	Higher limit values.