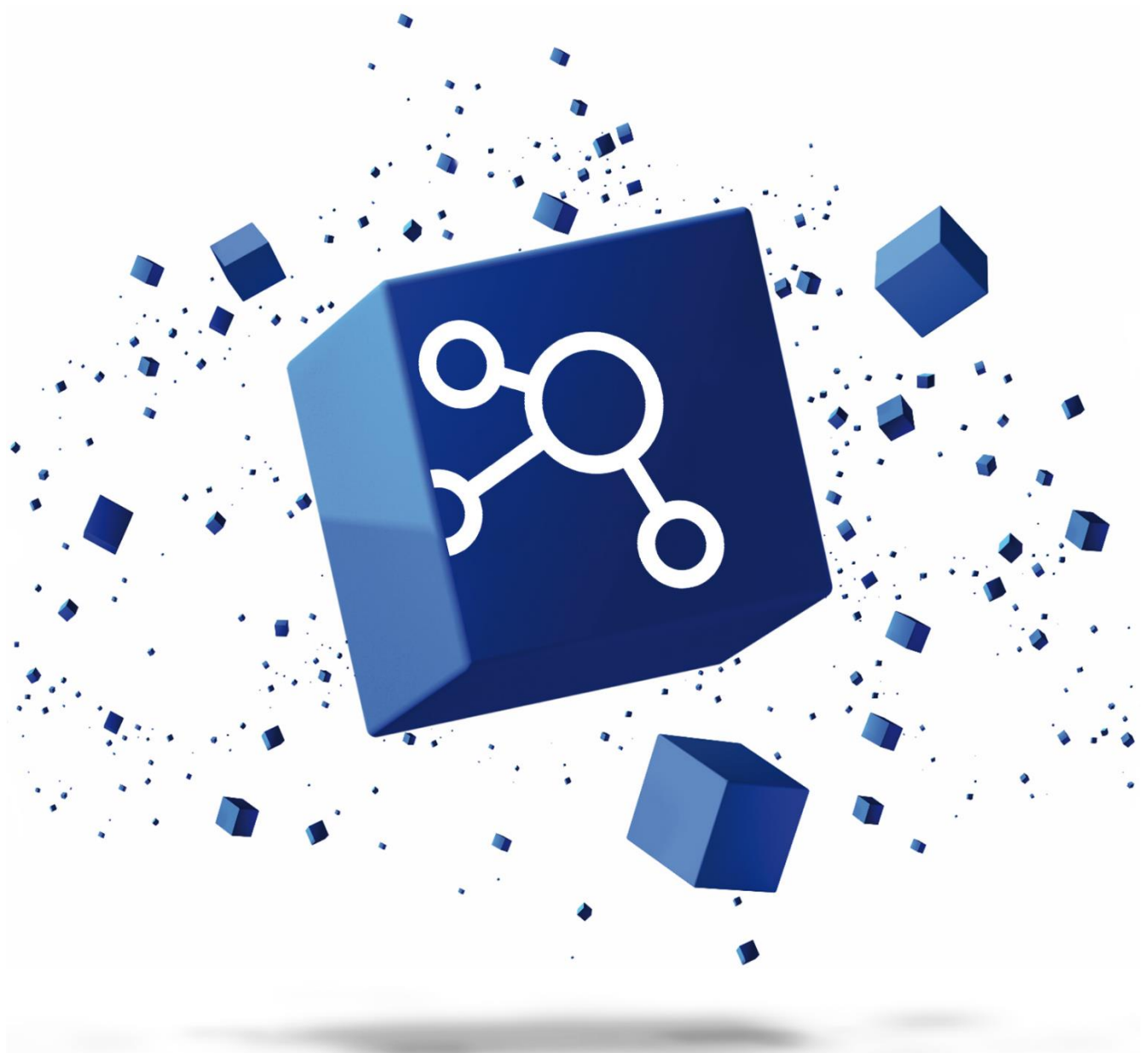


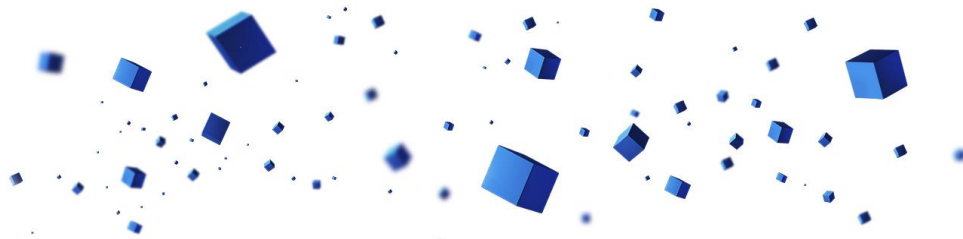
bluesign® system black limits (BSBL)

Threshold limits for chemical substances in chemical products

CHANGES 2021

Version 3.0, July 1st 2021 – compared to Version 2.0, December 1st, 2020





Purpose

This document gives an overview about the relevant changes in BSBL version 3.0 compared to version 2.0. Changes are marked in red color.

Validity of BSBL 3.0

BSBL 3.0 comes into effect from July 1, 2021.

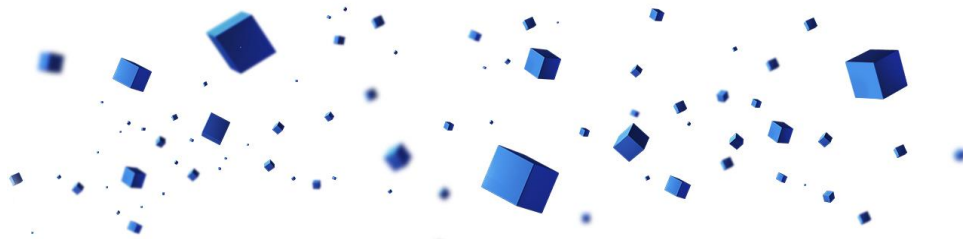
It replaces the bluesign® system black list (BSBL) version 2.0 from December 1, 2020.

For all bluesign® SYSTEM PARTNERS the implementation of the revised sections, unless stated otherwise, shall take place by July 1, 2022 at the latest.

Threshold limit values

Amines						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
Aniline - free content	62-53-3	Textiles Metal parts Polymer parts Down/feather Leather	Usage restriction	500	mg/kg	Lower limit Exceptional limit for Indigo: 2000 ppm

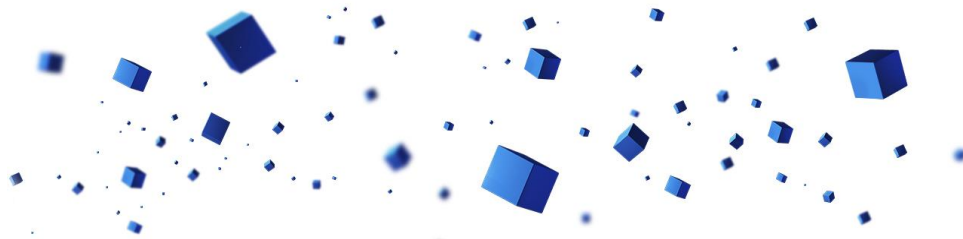
Biocides						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
Dichlorooctyl isothiazolinone - (DCOIT)	64359-81-5	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	100	mg/kg	Lower limit
Pyrrithione zinc	13463-41-7	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	50	mg/kg	New substance



Colorants						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
Colorants with carcinogenic potential	Several		Usage ban			200 mg/kg for every allocated Member/Substance
Leucomalachite green	129-73-7	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	200	mg/kg	New substance
Colorants with allergenic potential	Several		Usage ban			200 mg/kg for every allocated Member/Substance
Disperse Blue 35 B	56524-76-6	Textiles Metal parts Polymer parts Down/feather Leather				Substance with CAS 56524-76-6 added to group Disperse Blue 35 (limit on group level)

Flame retardants						
Chemical Name	CAS Number	Sector Of Use	Limit Type	Value	Unit	Comment
Polybrominated diphenyl ethanes	Several					
Decabromodiphenylethane (DBDPE)	84852-53-9	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	50	mg/kg	New group of flame retardant with one member

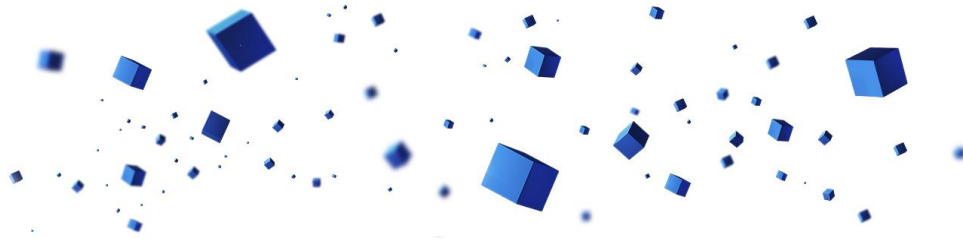
Monomers						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
N-Methylolacrylamide	924-42-5	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	100	mg/kg	Carc 1B; Muta 1B. New listing in BSBL
1-Vinylimidazole	1072-63-5	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	500	mg/kg	New substance



Other Chemical Substances						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
2-Butanone oxime	96-29-7	Textiles Metal parts Polymer parts Down/feather Leather	Usage restriction	50	mg/kg	New listing in BSBL. Limit valid for free content. Usage ban (also as blocking agent) planned for 2023
Colophony	8050-09-7					BSSL limit remains. Deleted from BSBL
Bisphenol A	80-05-7	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	10	mg/kg	Usage ban. 10 ppm for all sectors of use
Benzyl chloride	100-44-7	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	50	mg/kg	Correction of typo: Exception: Limit for dyestuffs is 100 mg/kg

Ozone depleting substances						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
Ozone depleting substances	Several	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	100	mg/kg	Clean-up the list of substances according to regulation EC 1005/2009 on substances that deplete the ozone layer

Polyaromatic hydrocarbons (PAHs)						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
Dibenzo[def,p]chrysene	191-30-0	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	10	mg/kg	New substance Limit reflects CLP limit for classification as Carc 1B



Solvents						
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Comment
N,N-Dimethylacetamide - (DMAc)	127-19-5	Textiles Metal parts Polymer parts Down/feather Leather	Usage ban	50	mg/kg	Exception from usage ban also valid for solvent coating and laminating
2-Pyrrolidone	616-45-5	Textiles Metal parts Polymer parts Down/feather Leather	Monitoring	500	mg/kg	New substance. Mid-term goal is a usage ban. Follow-up at CEG 2022
Benzine	8032-32-4					Deleted from BSBL and BSSL
Gasoline	8006-61-9					Deleted from BSBL and BSSL