VAUDE Restricted Substance Lists (RSL)

Version 6.0 / January 2024

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1. The VAUDE RSL

The VAUDE RSL defines individual requirements for substances in fabric, trims and accessories. The VAUDE RSL aligns with bluesign® RSL based on bluesign® BSSL.

1.1 Scope

The document specifies restrictions (limits and bans) for chemical substances in

- articles made of textiles and leather
- accessories for textile and leather articles

1.2 Usage Range

Usage Range 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 and bans:

- Usage Range A: Next to skin use and baby article (0-3 years)
- Usage Range B: Occasional skin contact
- Usage Range C: No skin contact

1.3 Testing methods

The testing methods listed in the last column of the table in chapter 2 are the recommended ones. The testing methods column consists of two entries:
sample preparation, e.g. extraction, digestion, derivatisation and the test method, i.e. the actual measurement.

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.

Details of the respective sample preparation methods can be found in the table below

2. Testing Methods

Sample preparation	Solvent(s)	Temperature (°C)	Time (min)	Other requirements
Extraction with KOH	Potassium hydroxide (1M)	90	12-15h	Derivatization with Acetic anhydride
Extraction with MeOH	Methanol	70	60	Ultrasonic bath
Extraction with THF	Tetrahydrofuran	40	60	
Extraction with DCM	Dichloromethane	40	60	Ultrasonic bath
Extraction with MTBE	Methyl tert-butyl ether	60	60	Ultrasonic bath
Extraction with water	Deionized water			
Extraction with MeOH/Acetonitrile	Methanol/Acetonitrile (1:1)	70	30	Ultrasonic bath
Extraction with Potassium carbonate solution	Potassium carbonate solution	Room temp.	60	Ultrasonic bath
Extraction with THF/Acetone	Tetrahydrofuran/Acetone	60	60	Ultrasonic bath, derivatization with Acetonitrile
Extraction with Acetone	Acetone	70	60	Ultrasonic bath
Extraction with Hexane/Dichloroethane	Hexane/Dichloroethane	70	60	
ASE - Accelerated Solvent Extraction	Acetone/Hexane (1:1)	100	-	
ASE - Accelerated Solvent Extraction	Ethyl acetate	40	-	
Soxhlet Extraction	Acetone/Hexane (1:1)	-	480	
Headspace	-	120	45	
DIN EN ISO 105-E04 (2013)	Acidic sweat solution	37	60	Textile to liquor ratio 1:50

For headspace measures a purge & trap gas chromatography is recommended

3. Restricted parameters and substances

Parameter	Limit	Test Method// Sample Preparation
pH-Value	Non-leather products: 4.0 - 7.5	ISO 3071 (2020)
	Leather products: 3.2 – 4.5 (chrome tanned leather products) 3.5 – 7.9 (other leather products)	ISO 4045 (2018)
Odor	No unpleasant odor shall be emitted from the products	SNV 195 651
Color Fastness Properties		
Color fastness to perspiration	Textiles dyed with disperse or metal complex dyes: at least 3 – 4, the goal is > 4	ISO 105-E04 (2013)
Color fastness to saliva and perspiration	Fast (corresponds to level 5 of 5-step grey scale described in ISO 105-A02 (1993)	§64 LFGB BVL B 82.10-1 in combination with DIN 53160-1 and -2 (2010)

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Aldehydes									
Formaldehyde	50-00-0	Leather	Usage ban	15	75	300	mg/kg	EN ISO 17226-2 (2019) with EN ISO 17226-1 (2021) confirmation method in case of interferences.	Test method: Alternatively, EN ISO 17226-1 (2021) can be used on its own.
		Textiles Metal parts Polymer parts Down/feather articles	Limitation	15	75	300	mg/kg	ISO 14184-1 (2011)	
Alkylphenolethoxylates (APEOs)									
Alkylphenolethoxylates (APEOs)	Several	All	Usage ban		100		mg/kg		For sum of all restricted APEO. Goal should be 100 mg/kg for APEOs + APs. Test methods: See NPEO.
Nonylphenol ethoxylates (NPEO)	Several	Textiles Metal parts Polymer parts Down/feather articles	Usage ban		100		mg/kg	EN ISO 18254-1 (2016) with determination of APEO using LC/MS or LC/MS/MS	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)
		Leather	Usage ban		100		mg/kg	Sample prep. and analysis using EN ISO 18218-1 (2015) with quantification according to EN ISO 18254-1 (2016)	
Octylphenol ethoxylates (OPEO)	Several	Textiles Metal parts Polymer parts Down/feather articles	Usage ban		100		mg/kg	See NPEO	
		Leather	Usage ban		100		mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Alkylphenols (APs)									
Alkylphenols (APs)	Several	All	Usage ban	10			mg/kg		For sum of all alkylphenols.
Nonylphenol (NP), mixed isomers	Several	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	For sum of all allocated Members/Substances.
		Metal parts Polymer parts Down/feather articles	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml THF with Sonication for 60 min at 70°C	
Octylphenol (OP), mixed isomers	Several	Textiles Leather	Usage ban	10			mg/kg	See NP	
		Metal parts Polymer parts Down/feather articles	Usage ban	10			mg/kg		
Amines									
Aniline - free content	62-53-3	Leather	Usage ban	30			mg/kg	EN ISO 17234-1 (2015)	In case aniline is detected the test needs to be repeated without addition of sodium dithionite.
		Textiles Polymer parts	Usage ban	30			mg/kg	EN ISO 14362-1 (2017)	
Arylamines									
Arylamines (including corresponding salts)	Several	Leather	Usage ban	20 each			mg/kg	EN ISO 17234-1 (2020) EN ISO 17234-2 (2011) // for azo colorants which may release 4-Aminoazobenzene	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	Usage ban	20 each			mg/kg	EN ISO 14362-1 (2017) EN ISO 14362-3 (2017) // for azo colorants which may release 4-Aminoazobenzene	

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Biocides									
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.									
Dimethylfumarate	624-49-7	All	Usage ban		0.1		mg/kg	ISO 16186 (2021)	
o-Phenylphenol and its salts	Several	Leather	Limitation	50	100	200	mg/kg	DIN 50009 (2021)	
		Textiles	Limitation		50		mg/kg		
Pyrithione zinc	13463-41-7	All	Usage ban		10		mg/kg	DIN EN 16711-1 (2016) // Total content	Testing: Zn metal content, in case of positive result further testing with CE/ICP-MS.
Chlorinated Benzenes and Toluenes									
Chlorinated Benzenes and Toluenes	Several	All	Usage ban		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.
Chlorinated Phenols									
Chlorinated Phenols	Several	All	Usage ban		See groups			DIN 50009 (2021) EN ISO 17070 (Leather)	Single substances listed in Annex.
Mono- and Dichlorophenols	Several	All	Usage ban		1.0		mg/kg		For sum of all allocated Mono- and DiCPs.
Trichlorophenol, all isomers	25167-82-2	All	Usage ban	0.05	0.5	0.5	mg/kg		For sum of all allocated TriCPs.
Tetrachlorophenol, its salts and compounds	25167-83-3	All	Usage ban	0.05	0.5	0.5	mg/kg		For sum of all allocated TeCPs.
Pentachlorophenol, its salts, esters and compounds	Several	All	Usage ban	0.05	0.5	0.5	mg/kg		For sum of all allocated PCPs.
Colorants									
Colorants banned for other reasons	Several	All	Usage ban		20 each		mg/kg	DIN 54231 (2022)	Single substances listed in Annex.
Colorants with allergenic potential	Several	All	Usage ban		20 each		mg/kg		
Colorants with carcinogenic potential	Several	All	Usage ban		20 each		mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Dioxins and Furans									
Dioxins and Furans - Group 1 and 2	Several	All	Usage ban	5.0			µg/kg	EPA 8290A	For sum of all allocated Members/Substances to Group 1 and 2. Single substances listed in Annex.
Dioxins and Furans - Group 1	Several	All	Usage ban	1.0			µg/kg		For sum of all allocated Members/Substances to Group 1. Single substances listed in Annex.
Dioxins and Furans - Group 3	Several	All	Usage ban	95			µg/kg		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.
Dioxins and Furans - Group 4 and 5	Several	All	Usage ban	5.0			µg/kg		For sum of all allocated Members/Substances to Group 4 and 5. Single substances listed in Annex.
Dioxins and Furans - Group 4	Several	All	Usage ban	1.0			µg/kg		For sum of all allocated Members/Substances to Group 4. Single substances listed in Annex.
Fibers									
Asbestos	Several	All	Usage ban	Not detected				REM/EDX BGI 505-46 U.S. EPA/600/R-93/116	Single substances listed in Annex.
Flame retardants									
Flame retardants	Several	All	Usage ban	5.0 each			mg/kg	EN ISO 17881-1 (2016) for brominated flame retardants EN ISO 17881-2 (2016) for phosphorus flame retardants	Single substances listed in Annex.
Chlorinated Paraffins, all chain lengths	Several	Textiles Metal parts Polymer parts Down/feather articles	Usage ban	5.0 each			mg/kg	ISO 22818 (2021)	Single substances listed in Annex.
		Leather	Usage ban	100 each			mg/kg	ISO 18219 (2021)	

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Glycols									
2-Ethoxyethanol	110-80-5	All	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol Plastic articles: 2-Step extraction with THF and Methanol	
2-Ethoxyethyl acetate	111-15-9	All	Usage ban	5.0			mg/kg		
2-Methoxy-1-propanol	1589-47-5	All	Usage ban	5.0			mg/kg		
2-Methoxyethanol	109-86-4	All	Usage ban	5.0			mg/kg		
2-Methoxyethyl acetate	110-49-6	All	Usage ban	5.0			mg/kg		
2-Methoxypropyl acetate	70657-70-4	All	Usage ban	5.0			mg/kg		
Bis(2-methoxyethyl) ether	111-96-6	All	Usage ban	5.0			mg/kg		
Ethylene glycol dimethyl ether	110-71-4	All	Usage ban	5.0			mg/kg		
Triethylene glycol dimethyl ether	112-49-2	All	Usage ban	5.0			mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes									
Polybrominated Biphenyls	59536-65-1	All	Usage ban	5.0			mg/kg	EN ISO 17881-1 (2016) for brominated compounds ISO/TR 17881-3 (2018) for chlorinated compounds	For sum of all allocated Members/Substances.
Polybrominated Naphthalenes	Several	All	Usage ban	1.0			mg/kg		
Polybrominated Terphenyls	Several	All	Usage ban	1.0			mg/kg		
Polychlorinated Biphenyls	1336-36-3	All	Usage ban	1.0			mg/kg		
Polychlorinated Naphthalenes	Several	All	Usage ban	1.0 each			mg/kg		Usage ban 1.0 mg/kg for every allocated Member/Substance.
Polychlorinated Terphenyls	61788-33-8	All	Usage ban	1.0			mg/kg		For sum of all allocated Members/Substances.
Halogenated Diarylalkanes									
Halogenated Diarylalkanes	Several	All	Usage ban	1.0 each			mg/kg	GC-MS // Extraction following DIN EN 62321-6 (2016)	Single substances listed in Annex.
Isocyanates									
Isocyanates	Several	All	Limitation	1.0			mg/kg	EN 13130-8 (2004)	Free content applies to sum of all allocated isocyanates. Single substances listed in Annex.

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Metals									
Antimony, its salts and compounds	Several								
Antimony – as content	7440-36-0	Leather	Limitation	5	10	10	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content // Usage as flame retardant: bluesign® CRITERIA for flame retardants have to be followed.
		Textiles	Limitation	5	10	10	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	
		Metal parts Polymer parts Down/feather articles	Limitation	60			mg/kg	DIN EN ISO 11885 (2009) EN 71-3 (2019) // Acidic solution migration simulating gastric juices DIN EN ISO 17294-2 (2017)	
		Fibers/yarn	Limitation	260			mg/kg	DIN EN 16711-1 (2016) // Total content	As total metal content // valid for polyester fibers (also dope dyed), but not for finished polyester textiles.
Arsenic, its salts and compounds	Several								
Arsenic – as content	7440-38-2	Textiles Metal parts Polymer parts Down/feather articles	Usage ban	0.2			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content. Limit for total metal content: 10 mg/kg
		Leather	Usage ban	0.2			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
Barium, its salts and compounds	Several								
Barium - as content	7440-39-3	All	Limitation	1000			mg/kg	EN 71-3 (2019) // Acidic solution migration simulating gastric juices DIN EN ISO 17294-2 (2017) DIN EN ISO 11885 (2009)	As extractable metal content.

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Metals (continued)									
Cadmium, its salts and compounds	Several								
Cadmium – as content	7440-43-9	Textiles Polymer parts Down/feather articles	Usage ban	0.1			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content.
		Leather	Usage ban	0.1			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
		Textiles Polymer parts Down/feather articles Metal parts	Usage ban	40			mg/kg	DIN EN 16711-1 (2016) // Total content	As total metal content.
		Leather	Usage ban	40			mg/kg	EN ISO 17072-2 (2019) // Total content	
Chromium VI, its salts and compounds	Several								
Chromium VI – as content	18540-29-9	Textiles Metal parts Polymer parts Down/feather articles	Usage ban	0.5			mg/kg	EN ISO 17075-1 (2017)	As extractable metal content.
		Metal parts	Usage ban	0.5			mg/kg	EN 62321-7-1 (2016)	
		Leather	Usage ban	3.0			mg/kg	EN ISO 17075-1 (2017) EN ISO 17075-2 (2017) DIN EN ISO 4044 (2017)	For leather: Thermal pre-ageing test required in advance: ISO 10195:2018.
Chromium, its salts and compounds	Several								
Chromium – as content	7440-47-3	Metal parts Polymer parts Down/feather articles	Limitation	60			mg/kg	DIN EN ISO 11885 (2009) EN 71-3 (2019) // Acidic solution migration simulating gastric juices 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.
		Textiles	Limitation	0.5			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content // for textiles dyed with chromium containing metal complex dyes A: 1.0 // B: 2.0 // C: 2.0 mg/kg.

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Metals (continued)									
Cobalt, its salts and compounds	Several								
Cobalt – as content	7440-48-4	Leather	Limitation		1.0		mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	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.
		Textiles	Limitation		1.0		mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	
		Metal parts Polymer parts Down/feather articles	Limitation	1.0	4.0	4.0	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content.
Copper, its salts and compounds	Several								
Copper – as content	7440-50-8	Textiles	Limitation	25	50	50	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content.
		Leather	Limitation	25	50	50	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
Lead, its salts and compounds	Several								
Lead – as content	7439-92-1	Metal parts	Usage ban		90		mg/kg	DIN EN 16711-1 (2016) // Total content	As total metal content.
		Leather	Usage ban		40		mg/kg	EN ISO 17072-2 (2019) // Total content	
		Textiles Polymer parts Down/feather articles	Usage ban		40		mg/kg	DIN EN 16711-1 (2016) // Total content	
		Leather	Usage ban	0.2	1.0	1.0	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content.
		Textiles Polymer parts Down/feather articles	Usage ban	0.2	1.0	1.0	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Metals (continued)									
Mercury, its salts and compounds	Several								
Mercury as content	7439-97-6	Metal parts	Usage ban	60			mg/kg	EN 71-3 (2019) // Acidic solution migration simulating gastric juices EN ISO 12846 (2012)	As extractable metal content.
		Leather	Usage ban	0.02			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
		Textiles Polymer parts Down/feather articles	Usage ban	0.02			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	
Nickel, its salts and compounds	Several								
Nickel – as content	7440-02-0	Textiles	Limitation	1.0			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content // for textiles dyed with nickel containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg.
		Leather	Limitation	1.0			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content // for leather dyed with nickel containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg.
		Metal parts Polymer parts	Usage ban for A and B	0.5	0.5	-	µg/cm² /week	EN 1811 (2011) + A1 (2015) // Release EN 12472 (2020)	As released metal content.

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Monomers									
Acrylamide	79-06-1	All	Usage ban	1.0			mg/kg	CEN/TS 13130-10 (2005)	
Other Chemical Substances									
2-Phenyl-2-propanol	617-94-7	All	Limitation	10	50	50	mg/kg	GC-MS // Extraction with Methanol	
Acetophenone	98-86-2	All	Limitation	20			mg/kg	GC-MS // Extraction with Methanol	
Azodicarbonamide (ADCA)	123-77-3	All	Usage ban	100	200	200	mg/kg	Solvent Extraction // GC-MS or LC-MS or LC-DAD	
Benzyl chloride	100-44-7	All	Usage ban	1.0			mg/kg	GC-MS // Extraction with Dichloromethane	
Bisphenol A	80-05-7	All	Usage ban	1.0	10	10	mg/kg	EN ISO 18857-2 (2012) // Extraction with Methanol EN ISO 18857-2 (2012) // Extraction with THF	For usage range A: 10 mg/kg is accepted when article is not intended to come into contact with mouth.
Bisphenol AF	1478-61-1	All	Usage ban	100			mg/kg		
Bisphenol F	620-92-8	All	Usage ban	100			mg/kg		
Bisphenol S	80-09-1	All	Usage ban	100			mg/kg		Specific limit for leather tanning and textile aftertreatment: 500 ppm.
Cresol, all isomers	1319-77-3	All	Usage ban	See isomers				BVL B 82.02-8 (2001) // Extraction with KOH DIN EN ISO 17070 (2015) // Extraction with KOH	10 mg/kg for each isomer.
m-Cresol	108-39-4	All	Usage ban	10			mg/kg		
o-Cresol	95-48-7	All	Usage ban	10			mg/kg		
p-Cresol	106-44-5	All	Usage ban	10			mg/kg		
Formamide	75-12-7	Textiles	Usage ban	50	50	100	mg/kg	EN 17131 (2019)	
		Metal parts Polymer parts Down/feather articles Leather	Usage ban	50	50	200	mg/kg	CEN ISO/TS 16189 (2013)	

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Other Chemical Substances (continued)									
Phenol	108-95-2	All	Limitation	20	50	100	mg/kg	LC-MS // Extraction with Methanol GC-MS // Extraction with Methanol	
Quinoline	91-22-5	All	Usage ban		50		mg/kg	LC-MS/MS // Extraction with Methanol LC-DAD // Extraction with THF or Methanol LC-MS/MS // Extraction with THF	
Isoquinoline	119-65-3	All	Usage ban		50		mg/kg	LC-MS/MS // Extraction with Methanol LC-DAD // Extraction with THF LC-DAD // Extraction with Methanol LC-MS/MS // Extraction with THF	
Siloxanes	Several	All	Usage ban					GC // with reference to TEGEWA method (2021)	Usage ban for every allocated member/substance.
Octamethyl cyclotetrasiloxane (D4)	556-67-2	All	Usage ban		30		mg/kg		
Decamethyl cyclopentasiloxane (D5)	541-02-6	All	Usage ban		200		mg/kg		
Dodecamethyl cyclohexasiloxane (D6)	540-97-6	All	Usage ban		200		mg/kg		
Ozone Depleting Substances									
Ozone depleting substances (CFCs) class I	Several	All	Usage ban		0.1 each		mg/kg	GC-MS // Headspace	Usage ban for direct use in manufacturing of articles.
Ozone depleting substances (CFCs) class II	Several	All	Usage ban		0.1 each		mg/kg	GC-MS // Headspace	See Regulation (EC) No 1005/2009 for a complete list of single substances.

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Pesticides									
Pesticides	Several	All	Limitation		0.5		mg/kg	GC-MS // ASE with Acetone/Hexane LC-MS // ASE with Acetone/Hexane GC-MS // Soxhlet Extraction with Acetone/Hexane LC-MS // Soxhlet Extraction with Acetone/Hexane	Applies to total sum of all allocated members/substances. Single substances listed in Annex.
PFAS (Poly- and perfluoroalkyl substances)									
PFAS (Poly- and per-fluoroalkyl substances)	Several	All	Usage ban		50		mg/kg	EN 14582 (total fluorine) ASTM 07359 (total fluorine)	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.
Perfluorohexane sulfonic acid and its derivatives	Several	All	Usage ban						Limits defined for subgroups.
Perfluorohexane sulfonic acid and its salts	Several	All	Usage ban		20		µg/kg	Leather: EN ISO 23702-1 (2018) Other materials: CEN/TS 15968 (2014)	
Perfluorohexane sulfon amides	Several	All	Usage ban		20		µg/kg		
Perfluorohexane sulfon amidoethanols	Several	All	Usage ban		20		µg/kg		
Perfluorohexane sulfon amidoethyl (meth)acrylates	Several	All	Usage ban		20		µg/kg		
Perfluorohexane sulfon halides	Several	All	Usage ban		20		µg/kg		
Perfluorohexane sulfon polymers	Several	All	Usage ban		20		µg/kg		
Perfluorooctane sulfonic acid and its derivatives	Several	All	Usage ban		1.0		µg/m²		Single substances listed in Annex.

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Polymers									
Polyvinyl chloride	9002-86-2	All	Usage ban	See comment				Total chlorine (EN 14582) // FTIR (when chlorine detected)	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.
Solvents									
1,2-Dichloroethane	107-06-2	All	Usage ban	1.0			mg/kg	GC-MS // Headspace	
Benzene	71-43-2	All	Usage ban	5.0			mg/kg	VDA 278 (2011)	
Dichloromethane	75-09-2	All	Usage ban	5.0			mg/kg	GC-MS // Headspace	Usage ban for direct use in manufacturing of articles.
N,N-Dimethylacetamide (DMAc)	127-19-5	Textiles	Usage ban	5.0			mg/kg	EN 17131 (2019)	Exceptions: Textile 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 technologies has the right to make an individual decision.
		Leather	Usage ban	5.0			mg/kg	EN ISO 19070 (2016)	
		Metal parts Polymer parts Down/feather articles	Usage ban	5.0			mg/kg	ISO 16189 (2021)	
N,N-Dimethylformamide (DMF)	68-12-2	Textiles	Usage ban	5.0			mg/kg	EN 17131 (2019)	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. For PAN fibers bluesign has the right to make individual decisions.
		Metal parts Polymer parts Down/feather articles	Usage ban	5.0			mg/kg	ISO 16189 (2021)	
		Leather	Usage ban	5.0			mg/kg	EN ISO 19070 (2016)	
N-Ethyl-2-pyrrolidone (NEP)	2687-91-4	Leather	Usage ban	10	10	100	mg/kg	EN ISO 19070 (2016)	
		Metal parts Polymer parts Down/feather articles	Usage ban	10	10	100	mg/kg	ISO 16189 (2021)	
		Textiles	Usage ban	10	10	100	mg/kg	EN 17131 (2019)	

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Solvents (continued)									
N-Methylpyrrolidone (NMP)	872-50-4	Textiles	Usage ban	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.
		Metal parts Polymer parts Down/feather articles	Usage ban	10	10	100	mg/kg	ISO 16189 (2021)	
		Leather	Usage ban	10	10	100	mg/kg	EN ISO 19070 (2016)	
Trichloroethylene	79-01-6	All	Usage ban		5.0		mg/kg	GC-MS // Headspace	
Tetrachloroethylene	127-18-4	All	Usage ban		1.0		mg/kg	GC-MS // Headspace	
Toluene	108-88-3	All	Usage ban	10	50	50	mg/kg	GC-MS // Headspace	Usage ban not valid for solvent coating, laminating and painting/lacquering.
Xylene, all isomers	1330-20-7	All	Usage ban	50	100	100	mg/kg	GC-MS // Headspace	Sum of all isomers. Usage ban not valid for solvent coating, laminating and painting/lacquering.
Tin-organic Compounds									
Tin-organic Compounds - as mono-, di- and tri-, tetraalkyltin organics	Several	All	Usage ban					CEN ISO/TS 16179 (2012)	Usage ban for all allocated Members/Substances.
Methyltin compounds	Several		Usage ban						
Monomethyltin compounds (MMT)	Several	All	Usage ban		2.0		mg/kg		
Dimethyltin compounds (DMT)	Several	All	Usage ban		0.5		mg/kg		
Trimethyltin compounds (TMT)	Several	All	Usage ban		0.5		mg/kg		
Ethyltin compounds	Several		Usage ban						
Tetraethyltin compounds (TET)	Several	All	Usage ban		1.0		mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
Tin-organic Compounds (continued)									
Propyltin compounds	Several		Usage ban					CEN ISO/TS 16179 (2012)	Usage ban for all allocated Members/Substances.
Dipropyltin compounds (DPT)	Several	All	Usage ban		1.0		mg/kg		
Tripropyltin compounds (TPT)	Several	All	Usage ban		0.5		mg/kg		
Butyltin compounds	Several		Usage ban						
Monobutyltin compounds (MBT)	Several	All	Usage ban		1.0		mg/kg		
Dibutyltin compounds (DBT)	Several	All	Usage ban		1.0		mg/kg		
Tributyltin compounds (TBT)	Several	All	Usage ban		0.5		mg/kg		
Tetrabutyltin compounds (TeBT)	Several	All	Usage ban		0.5		mg/kg		
Hexyltin compounds	Several		Usage ban						
Tricyclohexyltin compounds (TCyHT)	Several	All	Usage ban		0.5		mg/kg		
Octyltin compounds	Several		Usage ban						
Monooctyltin compounds (MOT)	Several	All	Usage ban		2.0		mg/kg		
Dioctyltin compounds (DOT)	Several	All	Usage ban		1.0		mg/kg		
Trioctyltin compounds (TOT)	Several	All	Usage ban		0.5		mg/kg		
Tetraoctyltin compounds (TeOT)	Several	All	Usage ban		0.5		mg/kg		
Phenyltin compounds	Several		Usage ban						
Monophenyltin compounds (MPhT)	Several	All	Usage ban		1.0		mg/kg		
Diphenyltin compounds (DPhT)	Several	All	Usage ban		2.0		mg/kg		
Triphenyltin compounds (TPhT)	Several	All	Usage ban		0.5		mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method// Sample Preparation	Comment
UV stabilizers									
UV 320	3846-71-7	All	Usage ban		1000		mg/kg	ISO 24040 // Extraction with Tetrahydrofuran // GC-MS	
UV 327	3864-99-1	All	Usage ban		1000		mg/kg		
UV 328	25973-55-1	All	Usage ban		1000		mg/kg		
UV 350	36437-37-3	All	Usage ban		1000		mg/kg		

4. Appendices

Chemical Name	CAS Number	Chemical Name	CAS Number
Arylamines		***Xylidines and its salts - with the exception of those specified elsewhere***	Several
2,4-Diaminoanisole and its salts	Several	*2,4-Xylidine and its salts*	Several
2,4-Diaminoanisole	615-05-4	2,4-Xylidine	95-68-1
2,4-Diaminoanisole sulphate	39156-41-7	*2,6-Xylidine and its salts*	Several
2,4-Diaminotoluene and its salts	Several	2,6-Xylidine	87-62-7
2,4-Diaminotoluene	95-80-7	***Nitrotoluidines and its salts***	Several
2-Naphthylamine and its salts	Several	*2-Amino-4-nitrotoluene and its salts*	Several
2-Naphthylamine	91-59-8	2-Amino-4-nitrotoluene	99-55-8
2-Naphthylammoniumacetate	553-00-4	***Anisidines and its salts***	Several
4,4'-Diaminodiphenylmethane and its salts	Several	Anisidine (o-, p-isomers)	29191-52-4
4,4'-Diaminodiphenylmethane	101-77-9	*2-Anisidine and its salts*	Several
4,4'-Methylenebis-(2-chloraniline) and its salts	Several	2-Anisidine	90-04-0
4,4'-Methylenebis-(2-chloraniline)	101-14-4	***Benzidines and its salts***	Several
4-Amino-3-fluorophenol and its salts	Several	*3,3'-Dichlorobenzidine and its salts - with the exception of those specified elsewhere*	Several
4-Amino-3-fluorophenol	399-95-1	3,3'-Dichlorobenzidine	91-94-1
4-Aminobiphenyl and its salts	Several	*o-Dianisidines and its salts - with the exception of those specified elsewhere*	Several
4-Aminobiphenyl	92-67-1	3,3'-Dimethoxybenzidine	119-90-4
4-Chloroaniline and its salts	Several	*3,3'-Dimethylbenzidine and its salts*	Several
4-Chloroaniline	106-47-8	3,3'-Dimethylbenzidine	119-93-7
6-Amino-2-ethoxynaphthalene and its salts	Several	*Benzidine and its salts*	Several
6-Amino-2-ethoxynaphthalene	293733-21-8	Benzidine	92-87-5
o-Aminoazotoluene and its salts	Several	Benzidine acetate	36341-27-2
o-Aminoazotoluene	97-56-3	Benzidine dihydrochloride	531-85-1
p-Aminoazobenzene and its salts	Several	Benzidine, sulfate	21136-70-9
p-Aminoazobenzene	60-09-3	Benzidine, sulfate (1:1)	531-86-2
Trimethylanilines and its salts	Several		
2,4,5-Trimethylaniline and its salts	Several		
2,4,5-Trimethylaniline	137-17-7		
2,4,5-Trimethylaniline hydrochloride	21436-97-5		

Chemical Name	CAS Number	Chemical Name	CAS Number
Arylamines (continued)		**Chlorinated Benzenes and Toluenes (continued)**	
Toluidines and its salts	Several	1,4-Dichlorobenzene	106-46-7
		Trichlorobenzenes, all isomers	Several
4,4'-Methylenedi-o-toluidine and its salts	Several	1,2,3-Trichlorobenzene	87-61-6
4,4'-Methylenedi-o-toluidine	838-88-0	1,2,4-Trichlorobenzene	120-82-1
m-Toluidine and its salts	Several	1,3,5-Trichlorobenzene	108-70-3
m-Toluidine	108-44-1	*Tetrachlorobenzenes, all isomers*	Several
o-Toluidine and its salts	Several	1,2,3,4-Tetrachlorobenzene	634-66-2
o-Toluidine	95-53-4	1,2,3,5-Tetrachlorobenzene	634-90-2
p-Cresidine and its salts	Several	1,2,4,5-Tetrachlorobenzene	95-94-3
p-Cresidine	120-71-8	Pentachlorobenzene	608-93-5
p-Toluidine and its salts	Several	Hexachlorobenzene	118-74-1
p-Toluidine	106-49-0	***Chlorinated Toluenes***	Several
Dianilines and its salts	Several	Chlorotoluene, unspecific mixture	25168-05-2
4,4'-Oxydianiline and its salts	Several	Pentachlorotoluene	877-11-2
4,4'-Oxydianiline	101-80-4	*Trichlorotoluenes, all isomers*	Several
4,4'-Thiodianiline and its salts	Several	2,3,4-Trichlorotoluene	7359-72-0
4,4'-Thiodianiline	139-65-1	2,3,6-Trichlorotoluene	2077-46-5
Chlorotoluidines and its salts	Several	2,4,5-Trichlorotoluene	6639-30-1
4-Chloro-2-toluidine and its salts	Several	2,4,6-Trichlorotoluene	23749-65-7
4-Chloro-2-toluidine	95-69-2	3,4,5-Trichlorotoluene	21472-86-6
4-chloro-2-toluidine hydrochloride	3165-93-3	a,a,a-Trichlorotoluene	98-07-7
Biocides		*Dichlorotoluenes, all isomers*	Several
o-Phenylphenol	90-43-7	2,3-Dichlorotoluene	32768-54-0
Chlorinated Benzenes and Toluenes		2,4-Dichlorotoluene	95-73-8
Chlorinated Benzenes	Several	2,5-Dichlorotoluene	19398-61-9
Monochlorobenzene	108-90-7	2,6-Dichlorotoluene	118-69-4
Dichlorobenzenes, all isomers	Several	3,4-Dichlorotoluene	95-75-0
1,2-Dichlorobenzene	95-50-1	3,5-Dichlorotoluene	25186-47-4
1,3-Dichlorobenzene	541-73-1	*Monochlorotoluenes, all isomers*	Several

Chemical Name	CAS Number
Dioxins and Furans (continued), Group 4 and 5	
Dioxins and Furans - Group 5	Several
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin	110999-44-5
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin	110999-45-6
1,2,3,7,8,9-Hexabromodibenzo-p-dioxin	110999-46-7
1,2,3,7,8-Pentabromodibenzofuran	107555-93-1
Dioxins and Furans - Group 4	Several
1,2,3,7,8-Pentabromodibenzo-p-dioxin	109333-34-8
2,3,4,7,8-Pentabromodibenzofuran	131166-92-2
2,3,7,8-Tetrabromodibenzofuran	67733-57-7
2,3,7,8-Tetrabromodibenzo-p-dioxin	50585-41-6
Dioxins and Furans - Group 1 and 2	Several
Dioxins and Furans - Group 2	Several
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5
Dioxins and Furans - Group 1	Several
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
Fibers	
Asbestos	Several
Actinolite	77536-66-4
Amosite	12172-73-5
Anthophyllite	77536-67-5
Chrysotile	12001-29-5 132207-32-0
Crocidolite	12001-28-4
Tremolite	77536-68-6
Flame retardants	
Brominated alkyl alcohols	Several
2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0
1-Propanol, 2,2-dimethyl-, tribromo derivates	36483-57-5 1522-92-5
2,3-Dibromopropan-1-ol-(2,3-DBPA)	96-13-9
Bis(2,3-dibromopropyl) phosphate	5412-25-9
Tetrabromobisphenol A	79-94-7
Tetrabromobisphenol A bis(2,3-dibromopropylether)	21850-44-2
Tri(aziridin-1-yl) phosphine oxide	545-55-1
Trimethyl phosphate	512-56-1
Tri-o-cresyl phosphate	78-30-8
Tris(2,3-dibromopropyl) phosphate	126-72-7
Tris-(2-chloro-1-methylethyl) phosphate	13674-84-5
Tris(2-chloroethyl) phosphate	115-96-8
Tris(methylphenyl) phosphate	1330-78-5
Tris-[2-chloro-1-(chloromethyl)ethyl] phosphate	13674-87-8
Trixylyl phosphate	25155-23-1
Hexabromocyclododecan, all isomers - group for all major diastereoisomers identified	Several
µ-Hexabromocyclododecane	134237-52-8
1,2,5,6,9,10-Hexabromocyclododecane	3194-55-6
Hexabromocyclododecane	25637-99-4
α-Hexabromocyclododecane	134237-50-6
β-Hexabromocyclododecane	134237-51-7

Chemical Name	CAS Number
Flame retardants (continued)	
Chlorinated Paraffins, all chain lengths	Several
Paraffin wax, chlorinated	63449-39-8
Paraffin, C10-C13, chlorinated	85535-84-8
Paraffin, C14-C17, chlorinated	85535-85-9
Paraffin, C18-C28, chlorinated	85535-86-0
Polybrominated diphenyl ethers	Several
Monobromodiphenyl ether (MonoBDE)	Several
2-Bromodiphenyl ether	7025-06-1
3-Bromodiphenyl ether	6876-00-2
4-Bromodiphenyl ether	101-55-3
Tribromodiphenyl ether (TriBDE)	49690-94-0
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9
Pentabromodiphenyl ether (PentaBDE)	32534-81-9
Hexabromodiphenyl ether	36483-60-0
Heptabromodiphenyl ether	68928-80-3
Octabromodiphenyl ether	32536-52-0
Nonabromodiphenyl ether	63936-56-1
Decabromodiphenyl ether	1163-19-5
Polybrominated diphenyl ethanes	Several
Decabromodiphenylethane	84852-53-9

Chemical Name	CAS Number
Halogenated Diarylalkanes	
Monomethyl-dibromo-diphenyl methane	99688-47-8
Monomethyl-dichloro-diphenyl methane	81161-70-8
Monomethyl-tetrachloro-diphenyl methane	76253-60-6
Isocyanates	
1,3-bis(isocyanatomethyl)benzene	3634-83-1
Hexamethylene-di-isocyanate	822-06-0
Isophorone-di-isocyanate	4098-71-9
Tetramethylxylene-di-isocyanate	2778-42-9
Diphenylmethane-di-isocyanates	Several
Diphenylmethane-2,2-di-isocyanate	2536-05-2
Diphenylmethane-2,4-di-isocyanate	5873-54-1
Diphenylmethane-4,4-di-isocyanate	101-68-8
Methylenediphenyl diisocyanate - mixed isomers	26447-40-5
Toluene-di-isocyanates	Several
Toluene-2,4-di-isocyanate	584-84-9
Toluene-2,6-di-isocyanate	91-08-7

Chemical Name	CAS Number
Pesticides	
Aldrin	309-00-2
Azinphos ethyl	2642-71-9
Azinphos methyl	86-50-0
Bromophos-ethyl	4824-78-6
Captafol	2425-06-1
Carbaryl	63-25-2
Chlordane	57-74-9
Chlordecone	143-50-0
Chlordimeform	6164-98-3
Chlorfenvinphos	470-90-6
Chlorobenzilate	510-15-6
Clothianidin	210880-92-5
Coumaphos	56-72-4
Cyfluthrin	68359-37-5
Cyhalothrin, lambda	91465-08-6
Cypermethrin	52315-07-8
Deltamethrin	52918-63-5
Diazinon	333-41-5
Dichlorprop	120-36-5
Dicrotophos	141-66-2
Dieldrine	60-57-1
Dimethoate	60-51-5
Dinotefuran	165252-70-0
Endosulfan, alpha	959-98-8
Endosulfan, beta	33213-65-9
Endrin	72-20-8

Chemical Name	CAS Number
Pesticides (continued)	
Esfenvalerate	66230-04-4
Ethyl parathion	56-38-2
Fenvalerate	51630-58-1
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
Imidacloprid (ISO)	105827-78-9 138261-41-3
Isodrin	465-73-6
Kelevan	4234-79-1
Lindane (ISO)	58-89-9
Malathion	121-75-5
MCPA	94-74-6
MCPB	94-81-5
Mecoprop	93-65-2
Methamidophos	10265-92-6
Methoxychlor	72-43-5
Methyl parathion	298-00-0
Mevinophos	7786-34-7
Mirex	2385-85-5
Monocrotophos	6923-22-4
o,p'-Dichlorodiphenyl-dichloroethane	53-19-0
o,p'-Dichlorodiphenyl-dichloroethylene	3424-82-6
o,p'-Dichlorodiphenyl-trichloroethane and its isomers - preparations containing DDT and its isomers	789-02-6
p,p'-Dichlorodiphenyldichloroethane	72-54-8
p,p'-Dichlorodiphenyl-dichloroethylene	72-55-9
p,p'-Dichlorodiphenyl-trichloroethane and its isomers - preparations containing DDT and its isomers	50-29-3
Perthane	72-56-0
Phosphamidon	13171-21-6
Profenophos	41198-08-7
Propetamphos	31218-83-4
Quinalphos	13593-03-8
Strobane	8001-50-1
Telodrin	297-78-9
Thiamethoxam	153719-23-4
Tiacloprid	111988-49-9
Toxaphene	8001-35-2
Tribufos (DEF)	78-48-8
Trifluralin - containing < 0.5 ppm NPDA	1582-09-8
Hexachlorocyclohexane, all isomers	608-73-1
Acetamipirid, its salts, esters and compounds	Several
Acetamipirid (ISO)	135410-20-7
Acetamipirid [2]	160430-64-8
Dinoseb, its salts, esters and acetate	Several
Dinoseb	88-85-7
2,4-Dichlorophenoxyacetic acid, salts, esters and compounds	Several
2,4-Dichlorophenoxy acetic acid	94-75-7
Nitenpyram, its salts, esters and compounds	Several
Nitenpyram [1]	150824-47-8
Nitenpyram [2]	120738-89-8
2,4,5-Trichlorophenoxyacetic acid, its salts, esters and compounds	Several
2,4,5-Trichlorophenoxy acetic acid	93-76-5

Chemical Name	CAS Number
PFAS (Poly- and perfluoroalkyl substances)	
Perfluorooctane sulfonic acid and its derivatives	Several
Perfluorooctane sulphonic acid and its salts	Several
Ammonium perfluorooctane sulfonate	29081-56-9
Diethanolamine perfluorooctane sulfonate	70225-14-8
Lithium perfluorooctane sulfonate	29457-72-5
Perfluorooctane sulfonate	45298-90-6
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium heptadecafluoro-octane-1-sulphonate	2795-39-3
Perfluorooctane sulfon amidoethanols	Several
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	4151-50-2
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)-	1691-99-2
Heptadecafluoro-N-methyloctane sulfonamideoethanol	24448-09-7
Perfluorooctane sulfon polymers	Several
Perfluorooctane sulfon halides	Several
1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	307-35-7
Perfluorooctane sulfon amides	Several
Heptadecafluoro-N-methyloctane sulfonamide	31506-32-8
Perfluorooctane sulfonamide	754-91-6
Perfluorooctane sulfon amidoethyl (meth)acrylates	Several
Perfluorohexanoic acid and its salts	Several
Perfluorohexanoic acid (PFHxA)	307-24-4
Perfluorooctanoic acid and its salts	Several
Ammonium pentadecafluoro octanoate	3825-26-1
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)	335-95-5
Perfluorooctanoic acid (PFOA)	335-67-1
Potassium perfluorooctanoate	2395-00-8
Perfluorooctanoic acid related substances	Several
Methyl perfluorooctanoate	376-27-2
Ethyl perfluorooctanoate	3108-24-5
Perfluorooctylethyl alcohols	Several
Perfluorooctylethanol	678-39-7
Perfluorooctylethyl olefins	Several
Perfluorooctylethene	21652-58-4
Perfluorooctylethyl halides	Several
1H,1H,2H,2H-Perfluorodecyliodide	2043-53-0
Heptadecafluoro-1-iodooctane	507-63-1
Pentadecafluorooctyl fluoride	335-66-0
Perfluorooctylethyl acrylate or methacrylate	Several
Perfluorooctylethyl polymers	Several
Perfluorocarboxylic acids (C9-C14) related substances	Several
Perfluorodecanoic acid related substances	Several
10:2 Fluorotelomer alcohol - (10:2 FTOH)	865-86-1

Chemical Name	CAS Number
PFAS (Poly- and perfluoroalkyl substances)	
Perfluorooctane sulfonic acid and its derivatives	Several
Perfluorooctane sulphonic acid and its salts	Several
Ammonium perfluorooctane sulfonate	29081-56-9
Diethanolamine perfluorooctane sulfonate	70225-14-8
Lithium perfluorooctane sulfonate	29457-72-5
Perfluorooctane sulfonate	45298-90-6
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium heptadecafluoro-octane-1-sulphonate	2795-39-3
Perfluorooctane sulfon amidoethanols	Several
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	4151-50-2
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)-	1691-99-2
Heptadecafluoro-N-methyloctane sulfonamideoethanol	24448-09-7
Perfluorooctane sulfon polymers	Several
Perfluorooctane sulfon halides	Several
1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	307-35-7
Perfluorooctane sulfon amides	Several
Heptadecafluoro-N-methyloctane sulfonamide	31506-32-8
Perfluorooctane sulfonamide	754-91-6
Perfluorooctane sulfon amidoethyl (meth)acrylates	Several
Perfluorohexanoic acid and its salts	Several
Perfluorohexanoic acid (PFHxA)	307-24-4
Perfluorooctanoic acid and its salts	Several
Ammonium pentadecafluoro octanoate	3825-26-1
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)	335-95-5
Perfluorooctanoic acid (PFOA)	335-67-1
Potassium perfluorooctanoate	2395-00-8
Perfluorooctanoic acid related substances	Several
Methyl perfluorooctanoate	376-27-2
Ethyl perfluorooctanoate	3108-24-5
Perfluorooctylethyl alcohols	Several
Perfluorooctylethanol	678-39-7
Perfluorooctylethyl olefins	Several
Perfluorooctylethene	21652-58-4
Perfluorooctylethyl halides	Several
1H,1H,2H,2H-Perfluorodecyliodide	2043-53-0
Heptadecafluoro-1-iodooctane	507-63-1
Pentadecafluorooctyl fluoride	335-66-0
Perfluorooctylethyl acrylate or methacrylate	Several
Perfluorooctylethyl polymers	Several
Perfluorocarboxylic acids (C9-C14) related substances	Several
Perfluorodecanoic acid related substances	Several
10:2 Fluorotelomer alcohol - (10:2 FTOH)	865-86-1

Chemical Name	CAS Number
Plasticizers	
Phthalic acid esters	Several
Bis-(2-methoxyethyl) phthalate	117-82-8
Butylbenzyl phthalate	85-68-7
Dibutyl phthalate	84-74-2
Di-cyclohexyl phthalate	84-61-7
Diethyl phthalate	84-66-2
Diethylhexyl phthalate	117-81-7
Di-iso-butyl phthalate	84-69-5
Di-iso-hexyl phthalate	71850-09-4
Di-iso-octyl phthalate	27554-26-3
Di-iso-pentyl phthalate	605-50-5
Dimethyl phthalate	131-11-3
Di-n-hexyl phthalate	84-75-3
Di-n-octyl phthalate	117-84-0
Dinonyl phthalate	84-76-4
Di-n-pentyl phthalate	131-18-0
Di-n-propyl phthalate	131-16-8
n-Pentyl-isopentyl phthalate	776297-69-9
1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters	68515-40-2
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	71888-89-6
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkylesters	68515-42-4
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	Several
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1
Di-iso-nonyl phthalate - (DINP)	Several
Di-iso-nonyl phthalate - iso & n-Butene based	68515-48-0
Di-iso-decyl phthalate	Several
Di-iso-decyl phthalate [1]	26761-40-0
Di-iso-decyl phthalate [2]	68515-49-1
Polyaromatic hydrocarbons (PAHs)	
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Anthracene	120-12-7
Benzo[rst]pentaphene	189-55-9
Dibenzo[b,def]chrysene	189-64-0
Dibenzo[def,p]chrysene	191-30-0
Cyclopenta[c,d]pyrene	27208-37-3
Benzo(ghi)perylene	191-24-2
Fluoranthene	206-44-0
Fluorene	86-73-7
Indeno(1,2,3-cd) pyrene	193-39-5
Methylpyrene, 1-	2381-21-7
Naphthalene	91-20-3
Naphtho[1,2,3,4-def]chrysene	192-65-4
Phenanthrene	85-01-8
Pyrene	129-00-0

5. Usage range

Consumer goods	Usage range A	Usage range B	Usage range C	
Automotive			x	Seat fabric - usage range B
Baby wear and textile articles (0 – 3 years)	x			
Backpack			x	Shoulder straps, harness and backrest that have contact with the skin must be usage range A
Bed linen	x			
Bike shorts	x			
Blouse		x		
Bra	x			
Camping Chair		x		
Carpet		x		
Cleaning cloth		x		
Curtain			x	
Dress		x		
Furnishing fabric		x		e.g. Seat cover
Geo textiles			x	e.g. building-/construction textiles, erosion protective textiles
Gloves/Mittens	x			
Harness		x		

Consumer goods	Usage range A	Usage range B	Usage range C	
Headdress	x			
Hammock		x		
Jacket		x		
Leggings	x			
Long sleeve t-shirt	x			
Luggage			x	
Mattress		x		
Mosquito net			x	
Pants		x		
Personal Flotation Device (PFD)		x		
Pullover		x		
Ropes & slings		x	x	Depends on use
Scarf	x			
Shirt		x		

Consumer goods	Usage range A	Usage range B	Usage range C	
Shoe components:				
- Insole	x			
- Midsole foams		x		
- Outsole			x	
- Trim & accessories			x	
- Upper & lining materials	x			
- Outer part of upper			x	
Skirt		x		
Sleeping bag		x		Lining must be usage range A
Socks	x			
Sport shirt	x			
Sweatshirt		x		
Swim wear	x			
Tent			x	Tent floor must be usage range B
Tie		x		
Tights	x			
Towel		x		
T-Shirt	x			
Umbrella			x	
Underpants (long/short)	x			
Undershirt	x			

6. Test items

Test Item	Textiles from natural fibres	Textiles from synthetic fibres	Additional testing for coated or printed textiles	Leather	Plastics and other synthetic materials (PU, PVC, Rubber, TPU, TPR, EVA, etc.)	Metal parts
Colorants						
with carcinogenic potential	●	●		●	–	–
with allergenous potential	○	●		○	–	–
banned for other reasons	●	●		●	–	–
Flame Retardants (Required if sample declared with functional finishing)	○	○		–	○	–
Fluorinated Substances						
Perfluorooctane sulfonic acid / Perfluorooctane sulfonate (PFOS) (Required if sample declared with stain/water repellent finishing)	○	○		○	–	–
Perfluorocarboxylic acids and salts [PFHxA, PFOA] (Required if sample declared with stain/water repellent finishing)	○	○		○	–	–

Test Item	Textiles from natural fibres	Textiles from synthetic fibres	Additional testing for coated or printed textiles	Leather	Plastics and other synthetic materials (PU, PVC, Rubber, TPU, TPR, EVA, etc.)	Metal parts
Glycols	–	–		–	–	–
Halogenated Biphenyls, Terphenyls and Naphthalenes	○	○		○	○	–
Halogenated Diarylalkanes	○	○		–	○	–
Isocyanates (Required for PU and for relevant functional finishes)	○	○	**PU ●**	–	**PU ●**	–
Monomers						
Acrylamide	○	○		–	○	–
Other Chemical Substances						
Bisphenol A	○	○		–	●	–
Cresol, all isomers	○	○		○	–	–
Dimethylfumarate (Material with direct skin contact; required if the product is packaged with any form of anti-mold agent)	○	○		○	○	–
o-Phenylphenol	○	○		●	–	–
2-Phenyl-2-propanol	–	–		–	**EVA ●**	–
Pesticides	○	–		○	–	–
Plasticizers	–	–	●	–	●	–
Polyaromatic Hydrocarbons (PAHs) incl. Benzo(a)pyrene	–	–	●	–	●	–

Test Item	Textiles from natural fibres	Textiles from synthetic fibres	Additional testing for coated or printed textiles	Leather	Plastics and other synthetic materials (PU, PVC, Rubber, TPU, TPR, EVA, etc.)	Metal parts
Polymers						
Polyvinylchloride (PVC)	–	–	●	–	●	–
Solvents						
Benzene	–	–		–	–	–
1,2-Dichloroethane	–	–		–	–	–
Dichloromethane	–	–		–	–	–
N,N-Dimethylacetamide [DMAc]	–	○	○	○ 1	○	–
N,N-Dimethylformamide [DMF]	–	–	●	● 1	○	–
N-Ethyl-2-pyrrolidone [NEP]	○	○		○	○	–
N-Methylpyrrolidone [NMP]	○	○		○	○	–
Tetrachloroethylene	○	○		○	○	–
Toluene	–	–	●	● 1	●	–
Trichloroethylene	○	○		●	○	–
Xylene, all isomers	–	–		–	–	–
Tin Organic Compounds	○	○	●	● 1	●	–

CAS-numbers, test methods, complete chemicals list: see RSL

●	Testing strongly recommended
○	Testing recommended
–	Substances or group of substances with high probability not relevant
1	Only if finishing of leather includes coating with solvents