

A cluster of small, dark blue cubes and dots in the top left corner of the page.

bluesign[®] system substances list (BSSL)

Consumer safety limits

Version 13.0 | 01 July 2022



Table of Contents

1	Introduction	5
2	Definitions and Abbreviations	5
2.1	Accessory	5
2.2	Article	5
2.3	BSSL	5
2.4	CAS Number	5
2.5	Chemical Substance	5
2.6	Component	6
2.7	Limit Value	6
2.7.1	Detection Limit (DL)	6
2.7.2	Quantification Limit (QL)	6
2.7.3	Limitation	6
2.8	Member	6
2.9	Mixture	6
2.10	Monitoring	6
2.11	Sector of Use	7
2.12	Several	7
2.13	Substance Groups	7
2.14	Usage Ban	8
2.15	Usage Range	8
3	Testing Methods	8
4	Scope and Validity	10
4.1	Scope	10
4.2	Validity	10
5	Consumer Safety Limits	11
5.1	pH-Value	11
5.2	Odor	11



5.3	Sensitizing Disperse Dyes	11
5.4	Textiles Dyed with Disperse or Metal Complex Dyes	11
5.5	Color Fastness to Saliva and Perspiration	11
5.6	Restrictions and Bans for Chemical Substances	12
	Restrictions and Bans for PFAS based Chemicals and Articles	12
	Aldehydes	13
	Alkylphenoethoxylates (APEOs)	14
	Alkylphenols (APs)	15
	Amines	17
	Arylamines	19
	Biocides	25
	Chlorinated Benzenes and Toluenes	28
	Chlorinated Phenols	29
	Colorants	31
	Dioxins and Furans	36
	Fibers	36
	Flame Retardants	37
	Glycols	41
	Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	44
	Halogenated Diarylalkanes	45
	Isocyanates	46
	Metals	47
	Monomers	53
	Nitrosamines - (as substance and as reaction product from secondary amines for example in elastomers or rubbers)	56
	Other Chemical Substances	57
	Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	64
	Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA	65
	Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	69



	Pesticides	73
	Plasticizers	74
	Polyaromatic Hydrocarbons (PAHs)	80
	Polymers	81
	Solvents	82
	Tin-Organic Compounds - as Mono-, Di-, Tri- and Tetraalkyltin Organics	86
	UV Stabilizers	87
Annex I	Compilation of Individual Substances	88
Annex II	Usage Ranges	122



1 Introduction

This document specifies the limits for chemical substances in articles. It also defines usage bans for chemical substances prohibited from the manufacturing of articles. It is important to know that due to quantity and range of listed substances and substance groups the consumer safety limits cannot be controlled by testing of articles alone and/or by confirmation declarations from suppliers (conventional RSL and/or testing approach).

This is the reason why the bluesign® SYSTEM integrates the up-stream parts of the manufacturing chain including chemical suppliers. Only an input-stream management with an appropriate network of bluesign® SYSTEM PARTNERS leads to comprehensive knowledge on chemical products and assures that restrictions and bans are achieved.

2 Definitions and Abbreviations

2.1 Accessory

A component of a consumer product which is not classified as textile fabric (e.g. button, label, zipper, etc.).

2.2 Article

An object which during production is given a special shape, surface or design, which determines its function to a greater degree than does its chemical composition (fibers, textile fabrics, buttons, zippers, etc.).

2.3 BSSL

bluesign® system substances list. Consumer safety limits.

A list that specifies consumer safety limits for chemical substances in articles. It also defines usage bans for chemical substances prohibited from the manufacturing of articles.

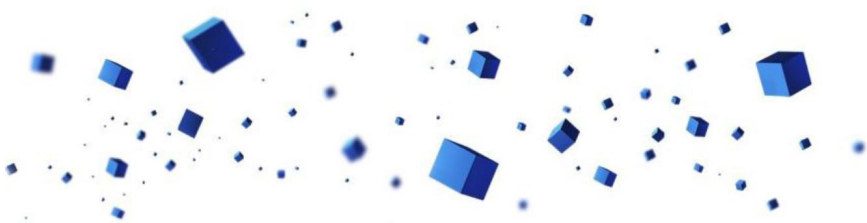
2.4 CAS Number

CAS numbers are unique numerical identifiers for chemical elements, compounds, polymers, biological sequences, mixtures or alloys.

Chemical Abstracts Service (CAS), a division of the American Chemical Society, assigns these identifiers to every chemical that has been described in the literature. The intention is to make database searches more convenient, as chemicals often have many names. Almost all molecule databases today allow searching by CAS numbers.

2.5 Chemical Substance

A chemical element and its compounds with constant composition and properties. It is defined by the CAS number.



2.6 Component

A part of an article that can be distinguished according to the material composition, the functionality and / or the color and is easily, mechanically separated from the other components.

2.7 Limit Value

The maximum amount of chemical substances permitted in articles for the usage ranges A, B and C.

2.7.1 Detection Limit (DL)

The lowest quantity of a substance that can be distinguished from the absence of that substance with a stated confidence level.

2.7.2 Quantification Limit (QL)

The lowest analyte concentration, that can be quantitatively detected with a stated accuracy and precision.

2.7.3 Limitation

For several substances or substance groups a limitation is defined. For these substances or substance group a usage ban is not given but only a consumer safety limit.

2.8 Member

This term describes a member of a group of restricted substances. It can be a chemical substance, or a subgroup of substances. See also section 2.13.

2.9 Mixture

A chemical product composed of two or more substances. It can be, for example, a colorant or an auxiliary.

2.10 Monitoring

For some chemical substances toxicological and / or ecological properties are not yet well defined. Therefore, the risk assessment is not complete. For some substances sufficient information on possible / typical contamination of articles and chemical products is not available now. Those substances are under observation. Exact restrictions will be defined as soon as more information exists. In cases where monitoring status is accompanied by a limit value, the limit value should be the goal.



2.11 Sector of Use

This is part of an innovative concept for the assessment of chemical products, where bluesign uses an approach, similar to the REACH system for the risk-based evaluation of chemical substances and transfers this to the evaluation of chemical products. This allows a product, process and industry specific assessment of risks to human and the environment, that can be adapted to all kind of industries. Some Sectors of Use are combined to groups. These are the applied Sectors of Use:

Sector of Use Group	Sector of Use
Textile	Fibers / yarns
	Textile articles including fabrics, laminates and non-woven fabrics
	Garments and other finished textile articles
Down/feather	Down and feather articles
Leather	Leather articles
Polymer parts	Plastic articles
	Rubber articles
Metal parts	Basic metals, including alloys
	Fabricated metal articles

2.12 Several

When a substance group is not defined by a single CAS number, the field CAS Number contain the entry "Several". Several does not in every case mean that the whole substance group is restricted (e.g. aldehydes, amines), in case of a restriction on the whole substance group, this is reflected by an entry for the limit or a corresponding comment. For substance groups, especially for big ones, some or all members are listed in Annex I. When group members are listed in Annex I, this is indicated in the comment for the group.

2.13 Substance Groups

For better readability and to show the hierarchy of substance groups the BSSL lists:

- **Main substance groups** (bold, normal letter)
- ***Subgroups*** (bold, italic letter)
- *Subsubgroup* (italic letter)
- Single substances (normal letter)



2.14 Usage Ban

For several chemical substances or substance groups a usage ban is defined. For these substances or substance groups intentional use in manufacturing of articles is prohibited. This means that chemical products (e.g. colorants or textile auxiliaries) used for manufacturing of articles must not intentionally contain these substances or substance groups.

The aim of a usage ban is to avoid release of harmful substances to workers, the environment and to avoid occurrence in the manufactured article by applying the precautionary principle.

2.15 Usage Range

Usage ranges 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 / bans:

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

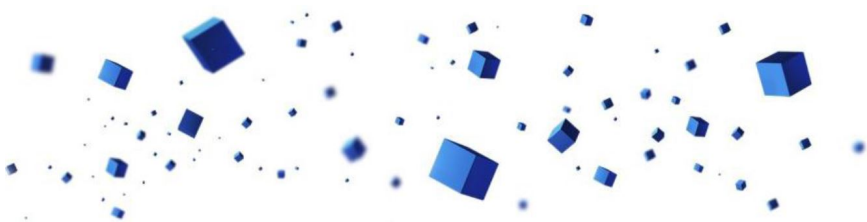
Annex II lists common consumer goods and allocates usage ranges.

3 Testing Methods

The testing methods listed in the table in chapter 5 are the recommended ones. The testing methods column consists of two entries: sample preparation, e.g. extraction, digestion, derivatization, and the test method, e.g. GC-MS, LC-MS, etc.

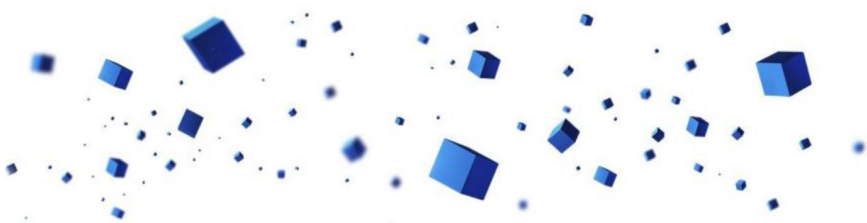
Depending on their availability international or national standards are also given for several substances and these methods may be applied. Other accredited methods can only be applied if it can be verified that equivalent results are obtained.

If not stated otherwise all test methods shall define the total content of the substance in the article. High recovery rate and low uncertainty shall be obtained. Robustness of method shall be given.



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

Sample preparation	Solvent(s)	Temperature (°C)	Time (min)	Other requirements
Extraction with KOH	Potassiumhydroxide (1M)	90	12-15h	Derivatization with Aceticanhydride
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 Potassiumcarbonate Solution	Potassiumcarbonate 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	Ethylacetate	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



4 Scope and Validity

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

- Articles and accessories made for different sectors of use (like textile and leather); see chapter 2.11.

4.1 Scope

The limits and restrictions have to be applied for each individual component of an article.

A component is any part of an article that can be distinguished by its material composition and / or functionality and / or color and can be easily separated mechanically from other components.

4.2 Validity

BSSL version 13.0 comes into force on 01 July 2022. It replaces the bluesign® system substances list (BSSL) version 12.0 from 01 July 2021.

This document is revised annually and in line with the latest legislation and research. It is supported by the opinions of the bluesign® SYSTEM PARTNER experts.

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



5 Consumer Safety Limits

This section informs on all consumer safety limits.

In addition to the restrictions and bans for chemical substances mentioned in Section 5.6, the restrictions defined in Sections 5.1 to 5.5 apply.

5.1 pH-Value

Test method: ISO 3071 (2020) (non-leather products), ISO 4045 (2018) (leather products).

Range: 4.0 to 7.5 (non-leather products), 3.2 to 4.5 (leather products).

5.2 Odor

No unpleasant odor shall be emitted from the products. Test method: SNV 195 651.

5.3 Sensitizing Disperse Dyes

Disperse dyes (mainly used in PES dyeing) which are sensitizing and classified with the risk phrase H317 are not allowed for the usage range A.

5.4 Textiles Dyed with Disperse or Metal Complex Dyes

Disperse dyes and metal complex dyes may have a relevant consumer safety risk.

Therefore, special restrictions concerning color fastness to perspiration are defined: for textiles dyed with disperse or metal complex dyes, fastness to perspiration must be at least between 3 and 4. The goal should be ≥ 4 . Test method: ISO 105-E04 (2013).

5.5 Color Fastness to Saliva and Perspiration

Testing of color fastness to saliva and perspiration can be relevant for articles with potential risk for mouthing and / or exposure to babies. Colors must be fast to saliva and perspiration. This corresponds to level 5 of the currently valid standard DIN 53160-1 (2010) (test with artificial saliva) and DIN 53160-2 (2010) (test with artificial sweat). The 5-step grey scale and its use for determining changes in color of textiles in color fastness tests are described in ISO 105-A02 (1993). Test methods: § 64 LFGB BVL B 82.10-1 in combination with DIN 53160-1 and -2.



5.6 Restrictions and Bans for Chemical Substances

For easier comprehension and overview, the substances are grouped according to:

- Chemical composition (e.g. amines, isocyanates)
- Functionality (e.g. flame retardants, solvents)
- EHS-properties / risks (e.g. ozone depleting substances)

Restrictions and Bans for PFAS based Chemicals and Articles:

- From July 2022 no new registration of PFAS based chemical products in bluesign® FINDER. Exception: Chemical products (based on C6 chemistry) that are intended for essential use as defined in coming EU regulation (confirmed by supplier in TDS and product description in bluesign® TOOL).
- From July 2022 all PFSA / PFCA listed in BSSL / BSBL with monitoring or limitation will change to usage ban.
- From July 2023 all PFAS based chemicals will be phased out from bluesign® FINDER. Exception: Chemical products (based on C6 chemistry) that are intended for essential use as defined in coming EU regulation (confirmed by supplier in TDS and product description in bluesign® TOOL).
- From July 2023 no new registration of articles finished with PFAS based chemicals. Exception: Articles that are intended for essential use as defined in coming EU regulation (confirmed by manufacturer).
- From July 2024 all articles finished with PFAS chemistry will be phased out from the bluesign® GUIDE. Exception: Articles that are intended for essential use as defined in coming EU regulation (confirmed by manufacturer).

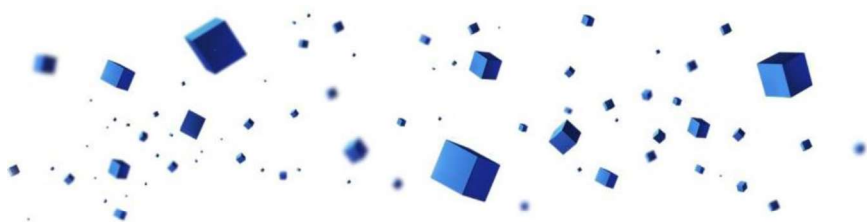
Analytical proof that PFAS chemicals are not used intentionally: Combustion ion chromatography (Quantification Limit: 50 mg/kg).

Note:

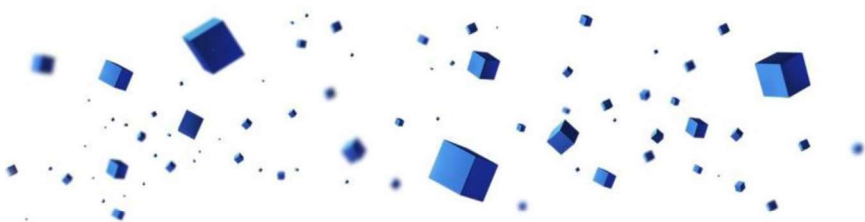
Some of the substances may be relevant for more than one group; in such cases the substance is listed in the most likely group.

Annex I lists individual substances that belong to substance groups.

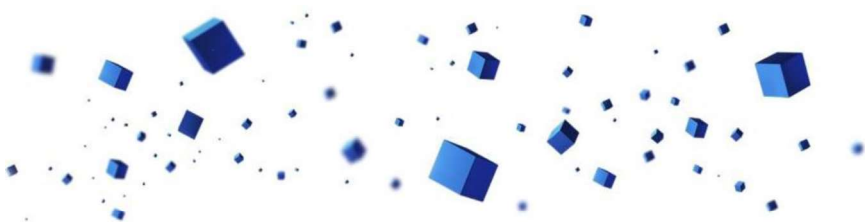
Annex II describes the usage ranges applicable under the bluesign® SYSTEM and how they classify consumer goods according to their relevance to consumer safety.



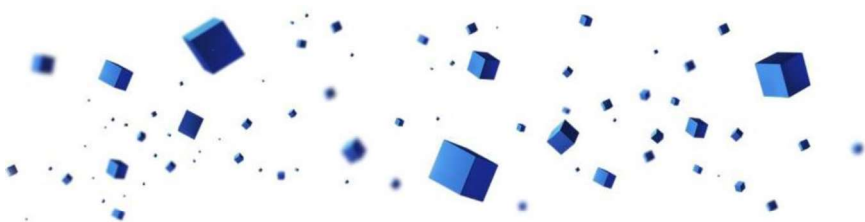
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Aldehydes									
Acrolein	107-02-8	All	Usage ban	20			mg/kg	LC-MS // Extraction with Methanol	
Acetaldehyde	75-07-0	All	Usage ban	10			mg/kg		
Formaldehyde	50-00-0	Textiles Down/feather Polymer parts Metal parts	Limitation	15	75	300	mg/kg	ISO 14184-1 (2011)	Test method: Alternatively EN ISO 17226-1 (2021) can be used on its own.
		Leather	Limitation	15	75	300	mg/kg	EN ISO 17226 (2019) with EN ISO 17226-1 (2021) confirmation method in case of interferences	
Glutaraldehyde	111-30-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	50			mg/kg	EN ISO 17226-1 (2019)	Articles need to comply latest 01 July 2024.
		Leather	Limitation	50			mg/kg		
Glyoxal	107-22-2	Textiles Down/feather Polymer parts Metal parts	Limitation	5	10	10	mg/kg	LC-MS // Extraction with Methanol	
		Leather	Monitoring	5	10	10	mg/kg		



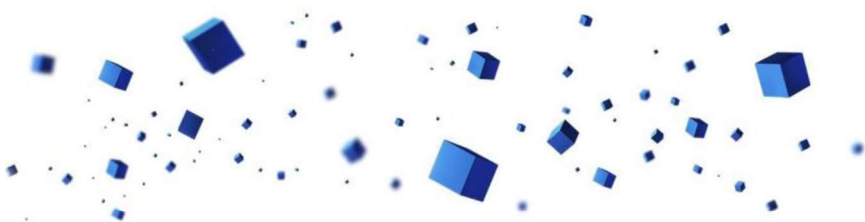
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Alkylphenolethoxylates (APEOs)									
<i>Nonylphenol ethoxylates (NPEO)</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	100			mg/kg	EN ISO 18254-1:2016 with determination of APEO using LC/MS or LC/MS/MS	For sum of all allocated Members/Substances. Single Members/Substances listed in Annex. (If traces above 10 mg/kg 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 acc. to EN ISO 18254-1:2016	
<i>Octylphenol ethoxylates (OPEO)</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	100			mg/kg	EN ISO 18254-1:2016 with determination of APEO using LC/MS or LC/MS/MS	
		Leather	Usage ban	100			mg/kg	Sample prep. and analysis using EN ISO 18218-1:2015 with quantification acc. to EN ISO 18254-1:2016	



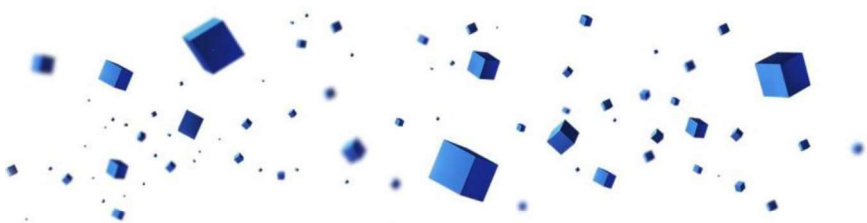
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Alkylphenols (APs)									
4-tert-Butylphenol	98-54-4	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	
		Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	
p-(1,1-Dimethylpropyl) phenol	80-46-6	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	
		Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	
4-Heptylphenol branched and linear	Several	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	For sum of all allocated Members/Substances. Single Members/Substances listed in Annex.
		Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	
Nonylphenol (NP) mixed isomers	Several	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	
		Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	
Octylphenol (OP) mixed isomers	Several	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	
		Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	



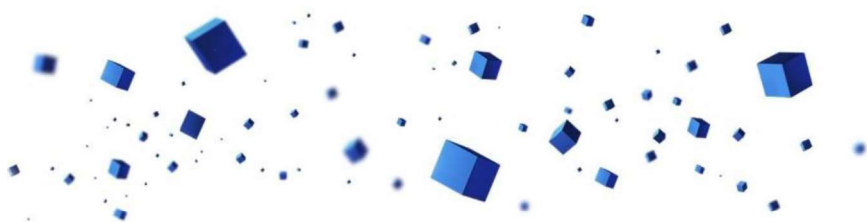
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Alkylphenols (APs)									
<i>Dodecylphenol mixed isomers</i>	27193-86-8	Textiles Leather	Usage ban	10			mg/kg	EN ISO 21084 (2019)	For sum of all allocated Members/Substances. Single Members/Substances listed in Annex. Articles need to comply latest 01 July 2024.
		Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	
<i>Tris(4-nonylphenyl, branched and linear) phosphite</i>	Several	Textiles Leather	Usage ban	100			mg/kg	EN ISO 21084 (2019)	For sum of all allocated Members/Substances. Single Members/Substances listed in Annex.
		Down/feather Polymer parts Metal parts	Usage ban	100			mg/kg	EN ISO 21084 (2019), modified // 1 g sample / 20 ml Tetrahydrofuran with Sonication for 60 min at 70°C	



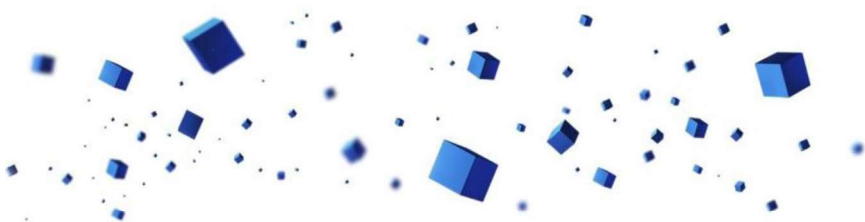
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Amines									
2-Aminoethanol	141-43-5	All	Limitation	100	200	200	mg/kg	GC-MS // Extraction with Methanol	
Aminoethylethanolamine - (AEEA)	111-41-1	All	Usage ban	10			mg/kg		
Fatty acid condensation products with AEEA which may cleave to AEEA		All	Usage ban	10			mg/kg	LC-MS // Extraction with Methanol and derivatization with Acetylacetone/Water	
Anilines its salts and compounds - with the exception of those specified elsewhere	Several								
Aniline - free content	62-53-3	Textiles Polymer parts	Usage ban	30			mg/kg	EN ISO 14362-1 (2017)	In case aniline is detected, the test needs to be repeated without addition of sodium dithionite.
		Leather	Usage ban	30			mg/kg	EN ISO 17234-1 (2015)	
N-Methylaniline	100-61-8	All	Limitation	30			mg/kg	GC-MS // Extraction with Methanol	
Diethanolamine	111-42-2	All	Limitation	10			mg/kg	GC-MS // Extraction with Methanol	
Diethylenetriamine	111-40-0	All	Monitoring	1.0	10	50	mg/kg		
Diphenylamine	122-39-4	All	Monitoring	100			mg/kg		
Dipropylenetriamine	56-18-8	All	Monitoring	50			mg/kg		
Ethylenediamine	107-15-3	All	Usage ban	10			mg/kg		
Hexamethylenetetramine	100-97-0	All	Limitation	10	50	50	mg/kg		
Imidazole	288-32-4	All	Usage ban	10			mg/kg		
2-Naphthylphenylamine	135-88-6	All	Usage ban	1.0			mg/kg		



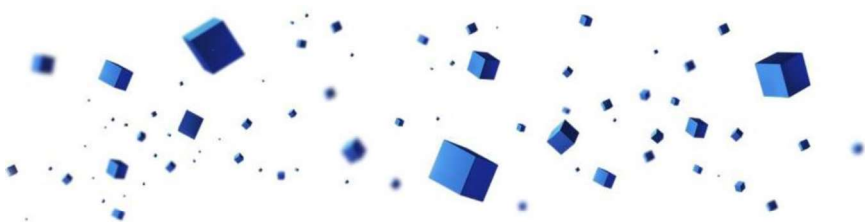
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Amines									
Phenylenediamines and its salts	Several								
<i>p</i> -Phenylenediamine and its salts	Several	All	Usage ban		20		mg/kg	GC-MS // Extraction with Methanol	
p-Phenylenediamine	106-50-3								
p-Phenylenediamine-dihydrochloride	624-18-0								
Triethylamine	121-44-8	All	Limitation	2.0	10	10	mg/kg	GC-MS // Extraction with Methanol	
Trimethylamine	75-50-3	All	Limitation		10		mg/kg		



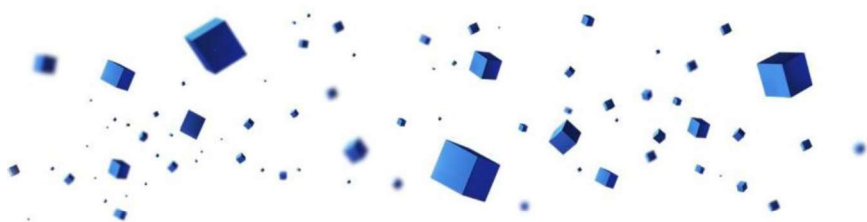
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Arylamines									
Arylamines	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban					EN ISO 14362-1 (2017) EN ISO 14362-3 (2017) // for azo colorants which may release 4- Aminoazobenzene	Usage ban 20 mg/kg for every allocated arylamine and its corresponding salts. (As substance for example in PU or by reductive cleavage of azo colorants.)
		Leather	Usage ban					EN ISO 17234-1 (2015) EN ISO 17234-2 (2011) // for azo colorants which may release 4- Aminoazobenzene	
<i>p</i> -Aminoazobenzene and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-3 (2017) // for azo colorants which may release 4- Aminoazobenzene	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-2 (2011) // for azo colorants which may release 4- Aminoazobenzene	
<i>o</i> -Aminoazotoluene and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
4-Aminobiphenyl and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
6-Amino-2- ethoxynaphthalene and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	



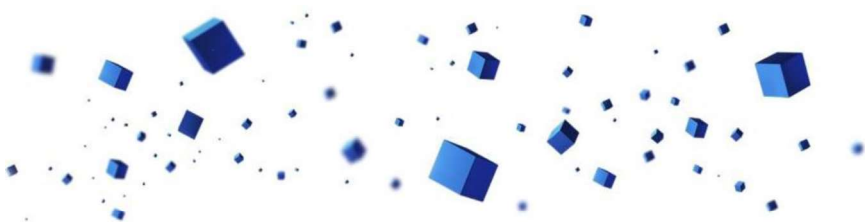
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Arylamines									
<i>4-Amino-3-fluorophenol and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
Anisidines and its salts	Several								
<i>2-Anisidine and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
2-Anisidine	90-04-0								
Anisidine (o-, p-isomers)	29191-52-4	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
Benzidines and its salts	Several								
<i>Benzidine and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>3,3'-Dimethylbenzidine and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	



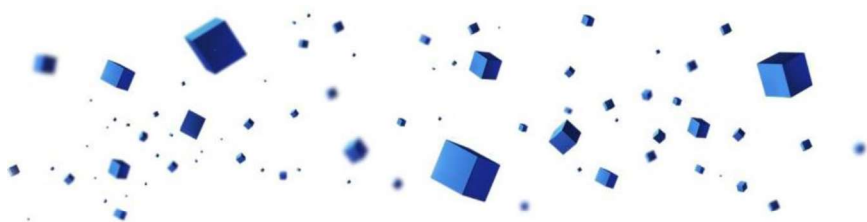
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Arylamines									
<i>3,3'-Dichlorobenzidine and its salts - with the exception of those specified elsewhere</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>o-Dianisidines and its salts - with the exception of those specified elsewhere</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>4-Chloroaniline and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>2,4-Diaminoanisole and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>4,4'-Diaminodiphenylmethane and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>2,4-Diaminotoluene and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	



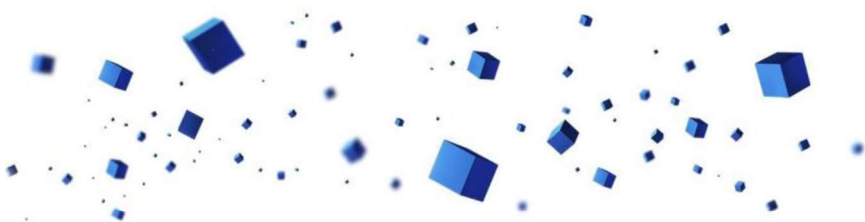
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Arylamines									
<i>4,4'-Methylenebis-(2-chloraniline) and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>2-Naphthylamine and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>Dianilines and its salts</i>	Several								
<i>4,4'-Thiodianiline and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>4,4'-Oxydianiline and its salts - with the exception of those specified elsewhere</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>Toluidines and its salts</i>	Several								
<i>p-Cresidine and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	



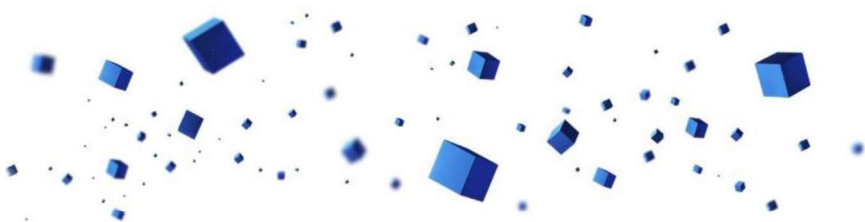
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Arylamines									
<i>m</i> -Toluidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>o</i> -Toluidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>p</i> -Toluidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
<i>4,4'</i> -Methylenedi- <i>o</i> -toluidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	
Nitrotoluidines and its salts	Several								
<i>2</i> -Amino-4-nitrotoluene and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.
		Leather	Usage ban	20			mg/kg	EN ISO 17234-1 (2015)	



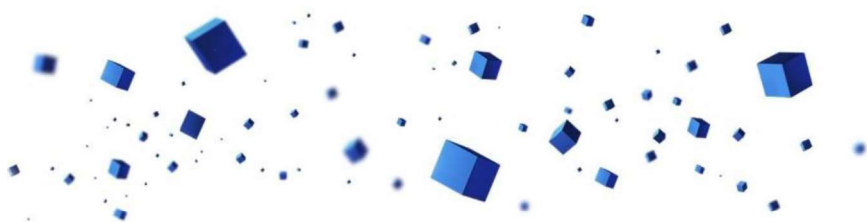
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Arylamines									
Chlorotoluidines and its salts	Several								
4-Chloro-2-toluidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20	mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.		
		Leather	Usage ban	20	mg/kg	EN ISO 17234-1 (2015)			
Xylidines and its salts	Several								
2,4-Xylidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20	mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.		
		Leather	Usage ban	20	mg/kg	EN ISO 17234-1 (2015)			
2,6-Xylidine and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20	mg/kg	EN ISO 14362-1 (2017)			
		Leather	Usage ban	20	mg/kg	EN ISO 17234-1 (2015)			
Trimethylanilines and its salts	Several								
2,4,5-Trimethylaniline and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20	mg/kg	EN ISO 14362-1 (2017)	Single Substances listed in Annex.		
		Leather	Usage ban	20	mg/kg	EN ISO 17234-1 (2015)			



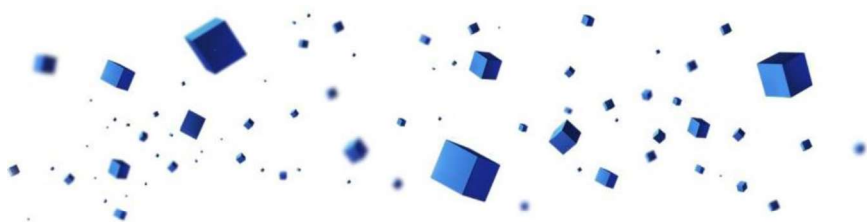
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Biocides									
2-Chloroacetamide	79-07-2	All	Usage ban	1.0			mg/kg	GC-MS // Extraction with Methanol	
4-Chloro-3-methylphenol (CMK/CMC)	59-50-7	Leather	Monitoring					prEN ISO 13365-1 (2019)	
Chlorinated and non-chlorinated isothiazolinone-derivatives	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban					LC-MS // Extraction with Methanol	Usage ban with exception of usage as preservative (in chemical products).
		Leather	Usage ban					prEN ISO 13365-1 (2019)	
5-Chloro-2-methyl-4-isothiazolin-3-one (CIT)	26172-55-4	Textiles Down/feather Polymer parts Metal parts	Usage ban	1			mg/kg	LC-MS // Extraction with Methanol	Traces from preservatives.
		Leather	Usage ban	1			mg/kg	prEN ISO 13365-1 (2019)	
2-Methyl-4-isothiazolin-3-one (MIT)	2682-20-4	Textiles Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	LC-MS // Extraction with Methanol	
		Leather	Usage ban	10			mg/kg	prEN ISO 13365-1 (2019)	
Mixture (3:1) of CIT and MIT	55965-84-9	Textiles Down/feather Polymer parts Metal parts	Usage ban	1			mg/kg	LC-MS // Extraction with Methanol	
		Leather	Usage ban	1			mg/kg	prEN ISO 13365-1 (2019)	



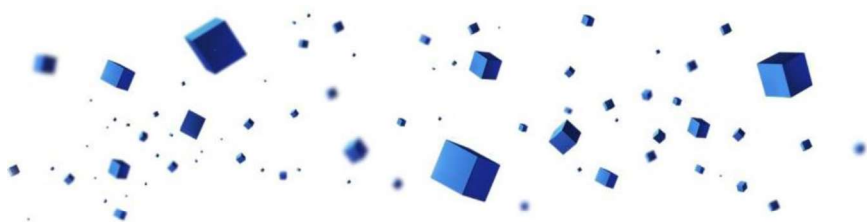
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Biocides									
2-Methyl-1,2-benzothiazol-3(2H)-one (MBIT)	2527-66-4	Textiles Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	LC-MS // Extraction with Methanol	Traces from preservatives. Articles need to comply latest 01 July 2023.
		Leather	Usage ban	10			mg/kg	prEN ISO 13365-1 (2019)	
2-n-Octyl-4-isothiazolin-3-one (OIT)	26530-20-1	Textiles Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	LC-MS // Extraction with Methanol	
		Leather	Usage ban	10			mg/kg	prEN ISO 13365-1 (2019)	
1,2-Benzoisothiazol-3(2H)-one (BIT)	2634-33-5	Textiles Down/feather Polymer parts Metal parts	Usage ban	25			mg/kg	LC-MS // Extraction with Methanol	Traces from preservatives.
		Leather	Usage ban	25			mg/kg	prEN ISO 13365-1 (2019)	
Dichlorooctyl isothiazolinone (DCOIT)	64359-81-5	Textiles Down/feather Polymer parts Metal parts	Usage ban	10	10	10	mg/kg	LC-MS // Extraction with Methanol	
		Leather	Usage ban	10			mg/kg	prEN ISO 13365-1 (2019)	
Dichlorophen	97-23-4	All	Usage ban	1.0			mg/kg	GC-MS // Derivatisation with Acetic anhydride	
Dimethylfumarate	624-49-7	All	Usage ban	0.1			mg/kg	ISO 16186 (2021)	



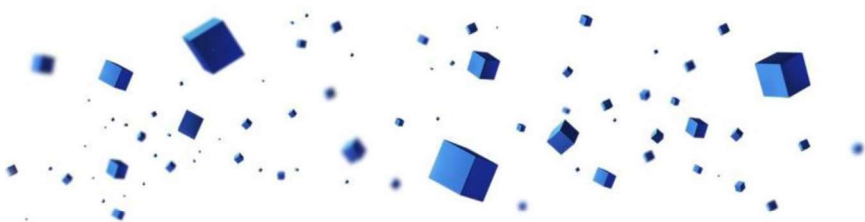
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Biocides									
N-Methylol-chloroacetamide	2832-19-1	All	Usage ban	1.0			mg/kg	GC-MS // Extraction with Methanol	
Permethrin	52645-53-1	All	Usage ban	1.0	1.0		mg/kg	GC-MS // ASE with Acetone/Hexane GC-MS // Soxhlet extraction with Acetone/Hexane LC-MS // ASE with Acetone/Hexane LC-MS // Soxhlet extraction with Acetone/Hexane	Usage range C // See bluesign® CRITERIA for biocidal products and antimicrobial active substances.
<i>o</i>-Phenylphenol and its salts	Several	Textiles	Limitation	50			mg/kg	DIN 50009 (2021)	
		Leather	Limitation	50	100	200	mg/kg		
o-Phenylphenol	90-43-7								
Sodium 2-biphenylate	132-27-4								
Pyrithione zinc	13463-41-7	All	Usage ban	10			mg/kg	DIN EN 16711-1 (2016) // Total content	Articles need to comply latest 01 July 2023. Testing: Zn metal content, in case of positive result further testing with CE/ICP-MS.
2-(Thiocyanatomethylthio) benzothiazol	21564-17-0	Leather	Monitoring					prEN ISO 13365-1 (2019)	
Triclosan	3380-34-5	Textiles	Usage ban	1.0	1.0		mg/kg	EN 17134 (2019)	Usage range C // See bluesign® CRITERIA for biocidal products and antimicrobial active substances.
		Leather	Usage ban	1.0	1.0		mg/kg	prEN ISO 13365-1 (2019)	



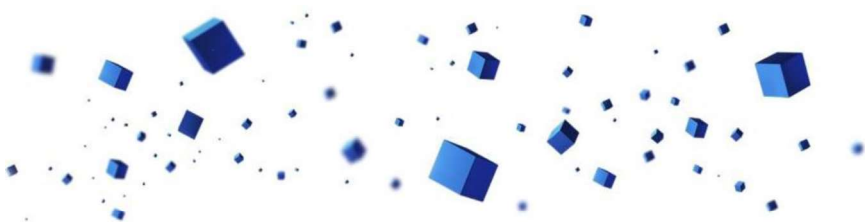
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Chlorinated Benzenes and Toluenes									
Chlorinated benzenes and toluenes	Several	All	Usage ban	5.0			mg/kg	EN 17137 (2018)	For sum of all allocated chlorinated benzenes and toluenes // additional regulation for each allocated Member/Substance. Usage ban 1.0 mg/kg.
Chlorinated benzenes	Several								
Monochlorobenzene	108-90-7	All	Usage ban	1.0			mg/kg	EN 17137 (2018)	Usage ban 1.0 mg/kg for every allocated Member/Substance. Single Substances listed in Annex.
Dichlorobenzenes all isomers	Several	All	Usage ban						
Trichlorobenzenes all isomers	Several	All	Usage ban						
Tetrachlorobenzenes all isomers	Several	All	Usage ban						
Pentachlorobenzene	608-93-5	All	Usage ban	1.0			mg/kg		
Hexachlorobenzene	118-74-1	All	Usage ban	1.0			mg/kg		
Chlorinated toluenes	Several								
Monochlorotoluenes all isomers	Several	All	Usage ban					EN 17137 (2018)	Usage ban 1.0 mg/kg for every allocated Member/Substance. Single Substances listed in Annex.
Dichlorotoluenes all isomers	Several	All	Usage ban						
Trichlorotoluenes all isomers	Several	All	Usage ban						
Tetrachlorotoluenes all isomers	Several	All	Usage ban						
Pentachlorotoluene	877-11-2	All	Usage ban	1.0			mg/kg		
Chlorotoluene unspecific mixture	25168-05-2	All	Usage ban	1.0			mg/kg		



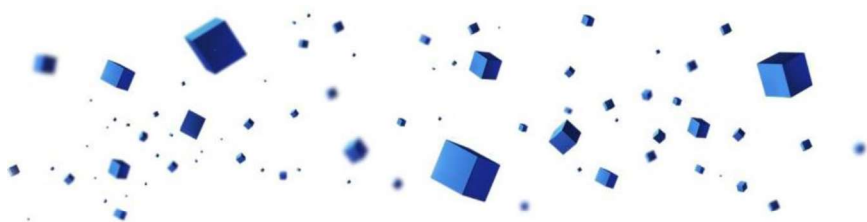
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Chlorinated Phenols									
Mono- and dichlorophenols	Several	All	Usage ban	1.0			mg/kg	DIN 50009 (2021)	For sum of all allocated Mono- and DiCPs.
<i>Monochlorophenols all isomers</i>	25167-80-0								
2-Chlorophenol	95-57-8								
3-Chlorophenol	108-43-0								
4-Chlorophenol	106-48-9								
<i>Dichlorophenols all isomers</i>	25167-81-1								
2,3-Dichlorophenol	576-24-9								
2,4-Dichlorophenol	120-83-2								
2,5-Dichlorophenol	583-78-8								
2,6-Dichlorophenol	87-65-0								
3,4-Dichlorophenol	95-77-2								
3,5-Dichlorophenol	591-35-5								
<i>Trichlorophenol all isomers</i>	25167-82-2	All	Usage ban	0.05	0.5	0.5	mg/kg	DIN 50009 (2021)	For sum of all allocated TriCPs.
2,3,4-Trichlorophenol	15950-66-0								
2,3,5-Trichlorophenol	933-78-8								
2,3,6-Trichlorophenol	933-75-5								
2,4,5-Trichlorophenol	95-95-4								
2,4,6-Trichlorophenol	88-06-2								



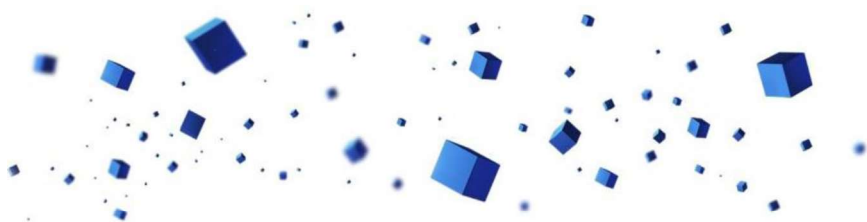
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Chlorinated Phenols									
3,4,5-Trichlorophenol	609-19-8								
<i>Tetrachlorophenol its salts and compounds</i>	25167-83-3	All	Usage ban	0.05	0.5	0.5	mg/kg	DIN 50009 (2021)	For sum of all allocated TeCPs.
2,3,4,5-Tetrachlorophenol	4901-51-3								
2,3,4,6-Tetrachlorophenol	58-90-2								
2,3,5,6-Tetrachlorophenol	935-95-5								
<i>Pentachlorophenol its salts, esters and compounds</i>	Several	All	Usage ban	0.05	0.5	0.5	mg/kg	DIN 50009 (2021)	For sum of all allocated PCPs.
Pentachlorophenol	87-86-5								



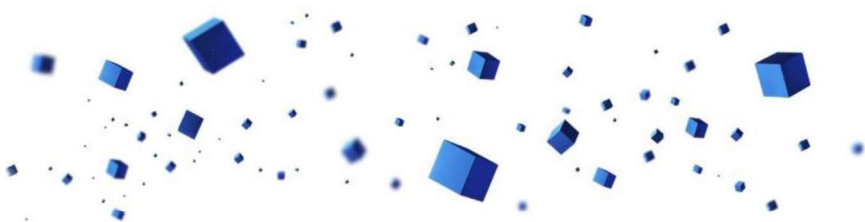
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Colorants									
Colorants with carcinogenic potential	Several	All	Usage ban					DIN 54231 (2005)	Usage ban 20 mg/kg for every allocated Member/Substance.
Acid Red 26	3761-53-3	All	Usage ban	20	mg/kg				
Basic Green 4 (Malachite Green)	Several	All	Usage ban	20	mg/kg				
Malachite Green	10309-95-2								
Malachite Green chloride	569-64-2								
Malachite Green oxalate	2437-29-8								
Leucomalachite Green	129-73-7	All	Usage ban	20	mg/kg			DIN 54231 (2005)	
Basic Red 9	569-61-9	All	Usage ban	20	mg/kg				
Basic Violet 14	632-99-5	All	Usage ban	20	mg/kg				
Direct Black 38	1937-37-7	All	Usage ban	20	mg/kg				
Direct Blue 6	2602-46-2	All	Usage ban	20	mg/kg				
Direct Brown 95	16071-86-6	All	Usage ban	20	mg/kg				
Direct Red 28	573-58-0	All	Usage ban	20	mg/kg				
Disperse Blue 1	2475-45-8	All	Usage ban	20	mg/kg				
Disperse Orange 11	82-28-0	All	Usage ban	20	mg/kg				
Disperse Yellow 3	2832-40-8	All	Usage ban	20	mg/kg				
Pigment Yellow 34	1344-37-2	All	Usage ban	20	mg/kg				
Pigment Red 104	12656-85-8	All	Usage ban	20	mg/kg				
Solvent Red 80	6358-53-8	All	Usage ban	20	mg/kg				Articles need to comply latest 01 July 2024.



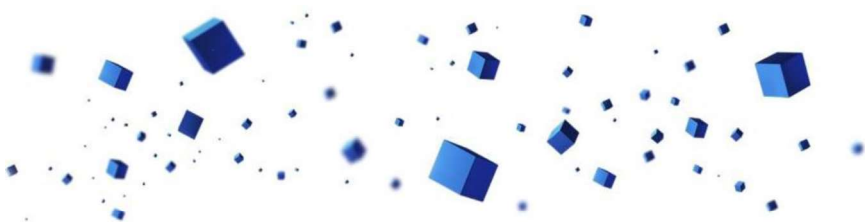
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Colorants									
Solvent Violet 8 with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202- 959-2)	561-41-1	All	Usage ban		20		mg/kg	DIN 54231 (2005)	
Solvent Yellow 2	60-11-7	All	Usage ban		20		mg/kg		
Colorants with allergenic potential	Several	All	Usage ban						Usage ban 20 mg/kg for every allocated Member/Substance.
Disperse Blue 3	2475-46-9	All	Usage ban		20		mg/kg		
Disperse Blue 7	3179-90-6	All	Usage ban		20		mg/kg		
Disperse Blue 26	3860-63-7	All	Usage ban		20		mg/kg		
Disperse Blue 35	Several	All	Usage ban		20		mg/kg		
Disperse Blue 35 [1]	12222-75-2								
Disperse Blue 35 [2]	56524-77-7								
Disperse Blue 35 B	56524-76-6								
Disperse Blue 102	12222-97-8	All	Usage ban		20		mg/kg	DIN 54231 (2005)	
Disperse Blue 106	12223-01-7	All	Usage ban		20		mg/kg		
Disperse Blue 124	61951-51-7	All	Usage ban		20		mg/kg		
Disperse Brown 1	23355-64-8	All	Usage ban		20		mg/kg		
Disperse Orange 1	2581-69-3	All	Usage ban		20		mg/kg		
Disperse Orange 3	730-40-5	All	Usage ban		20		mg/kg		
Disperse Orange 37/59/76	Several	All	Usage ban		20		mg/kg		



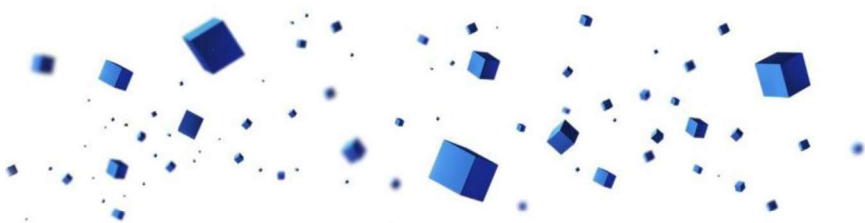
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Colorants									
Disperse Orange 37/59/76 [1]	12223-33-5								
Disperse Orange 37/59/76 [2]	13301-61-6								
Disperse Orange 37/59/76 [3]	51811-42-8								
Disperse Red 1	2872-52-8	All	Usage ban	20			mg/kg	DIN 54231 (2005)	Usage ban 20 mg/kg for every allocated Member/Substance.
Disperse Red 11	2872-48-2	All	Usage ban	20			mg/kg		
Disperse Red 17	3179-89-3	All	Usage ban	20			mg/kg		
Disperse Yellow 1	119-15-3	All	Usage ban	20			mg/kg		
Disperse Yellow 9	6373-73-5	All	Usage ban	20			mg/kg		
Disperse Yellow 39	12236-29-2	All	Usage ban	20			mg/kg		
Disperse Yellow 49	54824-37-2	All	Usage ban	20			mg/kg		
Solvent Yellow 14	842-07-9	All	Usage ban	20			mg/kg		
Colorants banned for other reasons	Several	All	Usage ban						
Acid Orange 24	1320-07-6	All	Usage ban	20			mg/kg		
Acid Violet 49	1694-09-3	All	Usage ban	20			mg/kg		
Basic Blue 26 with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	2580-56-5	All	Usage ban	20			mg/kg		
Basic Violet 1	8004-87-3	All	Usage ban	20			mg/kg		
<i>Basic Violet 3</i>	Several	All	Usage ban	20			mg/kg		



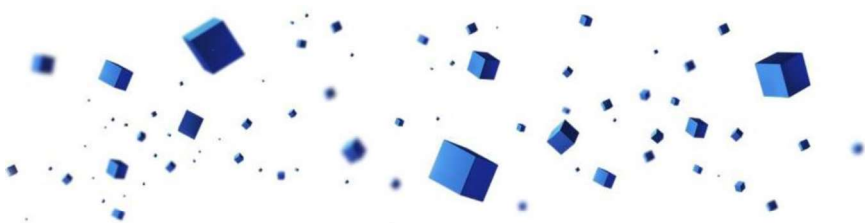
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Colorants									
Basic Violet 3 [1]	548-62-9								
Basic Violet 3 [2]	603-48-5								
Basic Violet 3 [3]	14426-25-6								
Basic Violet 3 with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202- 959-2)	548-62-9	All	Usage ban		20		mg/kg	DIN 54231 (2005)	
Direct Black 91	6739-62-4	All	Usage ban		20		mg/kg		
Direct Blue 76	16143-79-6	All	Usage ban		20		mg/kg		
Direct Blue 218	28407-37-6	All	Usage ban		20		mg/kg		
Direct Yellow 1	6472-91-9	All	Usage ban		20		mg/kg		
Disperse Yellow 23	6250-23-3	All	Usage ban		20		mg/kg		
Disperse Orange 149	85136-74-9	All	Usage ban		20		mg/kg		
<i>Navy Blue:</i> <i>A mixture of: disodium (6-(4-</i> <i>anisidino)-3-sulfonato-2-(3,5-</i> <i>dinitro-2-oxidophenylazo)-1-</i> <i>naphtholato)(1-(5-chloro-2-</i> <i>oxidophenylazo)-2-</i> <i>naphtholato)chromate(1-);</i> <i>trisodium bis(6-(4-anisidino)-</i> <i>3-sulfonato-2-(3,5-dinitro-2-</i> <i>oxidophenylazo)-1-</i> <i>naphtholato)chromat</i>	Several	All	Usage ban		20		mg/kg		



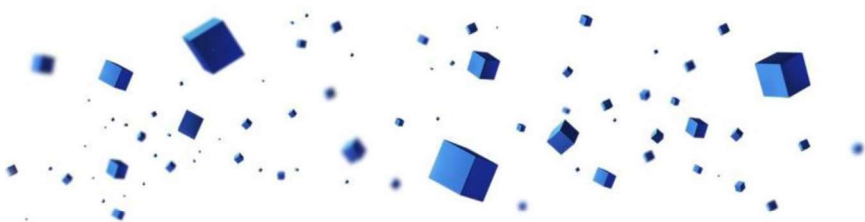
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Colorants									
Disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-)	118685-33-9								
Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromat									
Solvent Blue 4	6786-83-0	All	Usage ban		20		mg/kg	DIN 54231 (2005)	
Colorants which can cleave in carcinogenic amines	Several	All	Usage ban						Usage ban 20 mg/kg for every allocated Member/Substance. Single Substances listed in Annex.



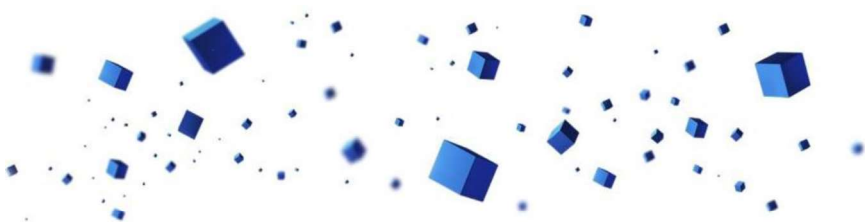
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Dioxins and Furans									
Dioxins and furans Group 1 and 2	Several	All	Usage ban	5.0			µg/kg	EPA 8290A	For sum of all allocated Members/Substances to Group 1 and 2. Single Substances listed in Annex.
Dioxins and furans 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					REM/EDX BGI 505-46 U.S. EPA/600/R-93/116	For all allocated Substances/Members. Usage ban // Not detected. Single Substances listed in Annex.



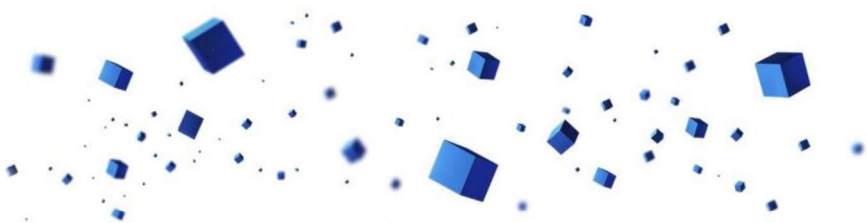
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Flame Retardants									
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	All	Usage ban	5.0			mg/kg	EN ISO 17881-2 (2016)	
Brominated alkyl alcohols	Several								
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	All	Usage ban	5.0			mg/kg	EN ISO 17881-1 (2016)	Articles need to comply latest 01 July 2024.
2,3-Dibromopropan-1-ol (2,3-DBPA)	96-13-9	All	Usage ban	5.0			mg/kg		
1-Propanol, 2,2-dimethyl-, tribromo deriv.	36483-57-5 1522-92-5	All	Usage ban	5.0			mg/kg		
Chlorinated paraffins all chain lengths	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban					ISO 22818 (2021)	Usage ban 5.0 mg/kg for every allocated group.
		Leather	Usage ban					ISO 18219 (2021)	Usage ban 100 mg/kg for every allocated group.
Paraffin wax chlorinated	63449-39-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	5.0			mg/kg	ISO 22818 (2021)	
		Leather	Usage ban	100			mg/kg	ISO 18219 (2021)	
Paraffin, C10-C13, chlorinated (SCCP)	85535-84-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	5.0			mg/kg	ISO 22818 (2021)	
		Leather	Usage ban	100			mg/kg	ISO 18219 (2021)	
Paraffin, C14-C17, chlorinated (MCCP)	85535-85-9	Textiles Down/feather Polymer parts Metal parts	Usage ban	5.0			mg/kg	ISO 22818 (2021)	
		Leather	Usage ban	100			mg/kg	ISO 18219 (2021)	



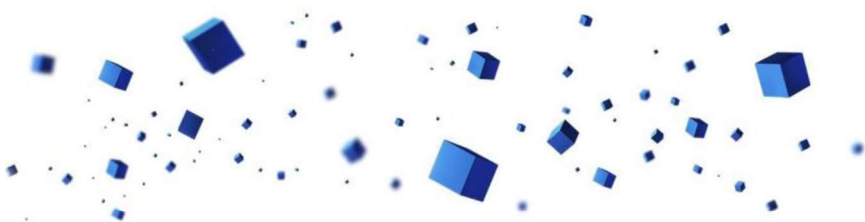
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Flame Retardants									
Alkanes, C14-16, chloro	1372804-76-6								
Di-, tri- and tetrachlorotetradecane									
Tetradecane, chloro derivs.	198840-65-2								
Paraffin, C18-C28, chlorinated (LCCP)	85535-86-0	Textiles Down/feather Polymer parts Metal parts	Usage ban	5.0			mg/kg	ISO 22818 (2021)	
		Leather	Usage ban	100			mg/kg	ISO 18219 (2021)	
Hexabromocyclododecan all isomers - group for all major diastereoisomers identified	Several	All	Usage ban	5.0			mg/kg	EN ISO 17881-1 (2016)	
Hexabromocyclododecane	25637-99-4								
1,2,5,6,9,10-Hexabromocyclododecane	3194-55-6								
α-Hexabromocyclododecane	134237-50-6								
β-Hexabromocyclododecane	134237-51-7								
μ-Hexabromocyclododecane	134237-52-8								
Polybrominated diphenyl ethanes	Several								
Decabromodiphenylethane (DBDPE)	84852-53-9	All	Usage ban	5.0			mg/kg	EN ISO 17881-1 (2016)	
Polybrominated diphenyl ethers	Several	All	Usage ban						Usage ban 5.0 mg/kg for every allocated Member/Substance.
Monobromodiphenyl ether (MonoBDE)	Several	All	Usage ban	5.0			mg/kg		
2-Bromodiphenyl ether	7025-06-1								



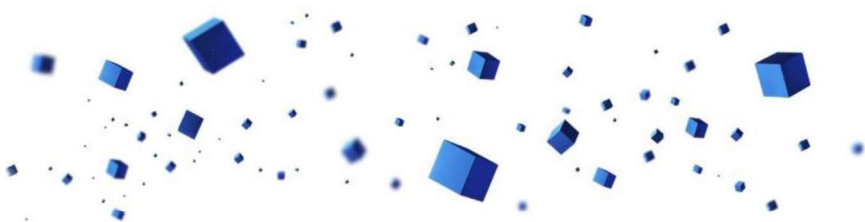
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Flame Retardants									
3-Bromodiphenyl ether	6876-00-2								
4-Bromodiphenyl ether	101-55-3								
<i>Tetrabromodiphenyl ether (TetraBDE)</i>	40088-47-9	All	Usage ban		5.0		mg/kg	EN ISO 17881-1 (2016)	
<i>Pentabromodiphenyl ether (PentaBDE)</i>	32534-81-9	All	Usage ban		5.0		mg/kg		
<i>Hexabromodiphenyl ether (HexaBDE)</i>	36483-60-0	All	Usage ban		5.0		mg/kg		
<i>Heptabromodiphenyl ether (HeptaBDE)</i>	68928-80-3	All	Usage ban		5.0		mg/kg		
<i>Octabromodiphenyl ether (OctaBDE)</i>	32536-52-0	All	Usage ban		5.0		mg/kg		
<i>Nonabromodiphenyl ether (NonaBDE)</i>	63936-56-1	All	Usage ban		5.0		mg/kg		
Decabromodiphenyl ether (DecaBDE)	1163-19-5	All	Usage ban		5.0		mg/kg		
Tetrabromobisphenol A (TBBP A)	79-94-7	All	Usage ban		5.0		mg/kg		
Tetrabromobisphenol A bis(2,3-dibromopropylether)	21850-44-2	All	Usage ban		5.0		mg/kg		
Tri(aziridin-1-yl) phosphine oxide (TEPA)	545-55-1	All	Usage ban		5.0		mg/kg		
Trimethyl phosphate	512-56-1	All	Usage ban		5.0		mg/kg		
Tri-o-cresyl phosphate	78-30-8	All	Usage ban		5.0		mg/kg		
Tris(methylphenyl) phosphate	1330-78-5	All	Usage ban		5.0		mg/kg		
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	All	Usage ban		5.0		mg/kg	ISO 17881-2 (2016)	
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	All	Usage ban		5.0		mg/kg		



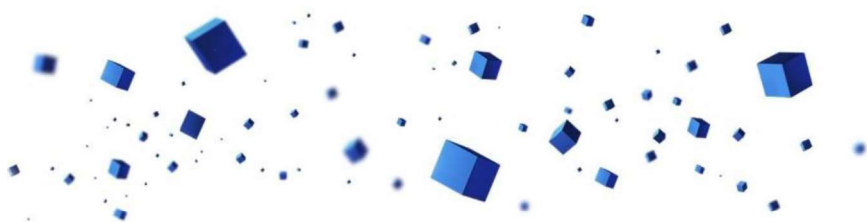
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Flame Retardants									
Tris-[2-chloro-1-(chloromethyl)ethyl] phosphate - (TDCP or TDCPP)	13674-87-8	All	Usage ban	5.0			mg/kg	ISO 17881-2 (2016)	
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	All	Usage ban	5.0			mg/kg		
Trixylyl phosphate (TXP)	25155-23-1	All	Usage ban	5.0			mg/kg		



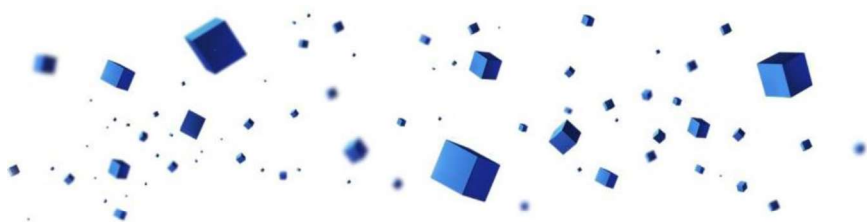
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Glycols									
Bis(2-methoxyethyl) ether	111-96-6	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Butoxyethanol	111-76-2	Textiles Down/feather Leather Metal parts Rubber articles	Limitation	50	100	100	mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Limitation	50	100	100	mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Butoxyethyl acetate	112-07-2	Textiles Down/feather Leather Metal parts Rubber articles	Limitation	10	100	100	mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Limitation	10	100	100	mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Ethoxyethanol	110-80-5	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Ethoxyethyl acetate	111-15-9	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	



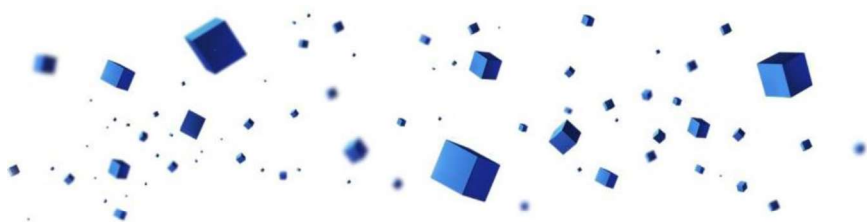
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Glycols									
Ethylene glycol dimethyl ether	110-71-4	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Methoxyethanol	109-86-4	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Methoxyethyl acetate	110-49-6	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-(2-Methoxyethoxy) ethanol	111-77-3	Textiles Down/feather Leather Metal parts Rubber articles	Limitation	1.0	10	100	mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Limitation	1.0	10	100	mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
1-Methoxy-2-propanol	107-98-2	Textiles Down/feather Leather Metal parts Rubber articles	Limitation	50	200	200	mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Limitation	50	200	200	mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	



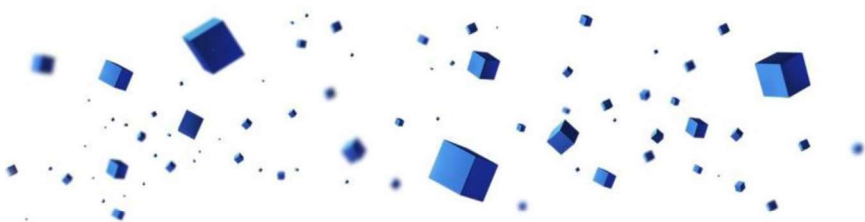
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Glycols									
2-Methoxy-1-propanol	1589-47-5	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
2-Methoxypropyl acetate	70657-70-4	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	
Triethylene glycol dimethyl ether	112-49-2	Textiles Down/feather Leather Metal parts Rubber articles	Usage ban	5.0			mg/kg	GC-MS // Extraction with Methanol	
		Plastic article	Usage ban	5.0			mg/kg	GC-MS // 2-Step extraction with Tetrahydrofuran and Methanol	



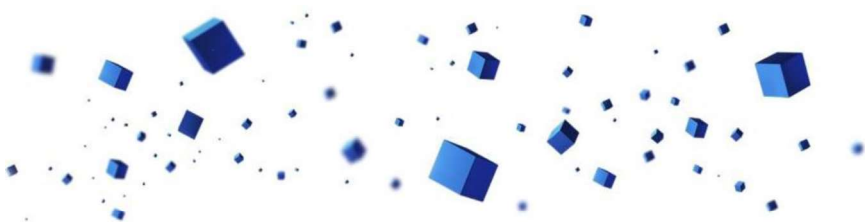
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes									
Polybrominated biphenyls	59536-65-1	All	Usage ban		5.0		mg/kg	EN ISO 17881-1 (2016)	For sum of all allocated Members/Substances.
Monobromo biphenyl	26264-10-8								
Hexabromo biphenyl	36355-01-8								
Decabromo-1,1'-biphenyl	13654-09-6								
Polychlorinated biphenyls	1336-36-3	All	Usage ban		1.0		mg/kg	ISO/TR 17881-3 (2018)	For sum of all allocated Members/Substances.
Polychlorinated terphenyls	61788-33-8	All	Usage ban		1.0		mg/kg		
Polybrominated terphenyls	Several	All	Usage ban		1.0		mg/kg	EN ISO 17881-1 (2016)	
Polychlorinated naphthalenes	Several	All	Usage ban					ISO/TR 17881-3 (2018)	Usage ban 1.0 mg/kg for every allocated Member/Substance.
Monochloro naphthalene	25586-43-0	All	Usage ban		1.0		mg/kg		For sum of all allocated Members/Substances. Single Substances listed in Annex.
Dichloro naphthalene	28699-88-9	All	Usage ban		1.0		mg/kg		For sum of all allocated Members/Substances.
Trichloro naphthalene	1321-65-9	All	Usage ban		1.0		mg/kg		
Tetrachloro naphthalene	1335-88-2	All	Usage ban		1.0		mg/kg		
Pentachloro naphthalene	1321-64-8	All	Usage ban		1.0		mg/kg		
Hexachloro naphthalene	1335-87-1	All	Usage ban		1.0		mg/kg		
Heptachloro naphthalene	32241-08-0	All	Usage ban		1.0		mg/kg		
Octachloro naphthalene	2234-13-1	All	Usage ban		1.0		mg/kg		
Polybrominated naphthalenes	Several	All	Usage ban		1.0		mg/kg	EN ISO 17881-1 (2016)	



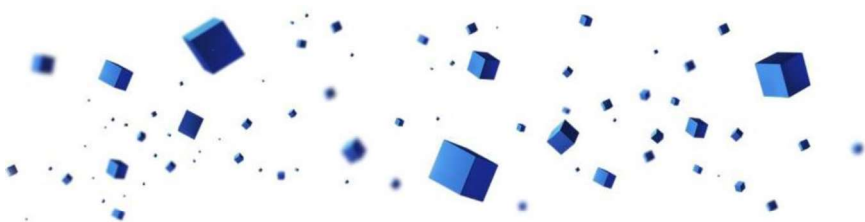
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Halogenated Diarylalkanes									
Halogenated diarylalkanes	Several	All	Usage ban					GC-MS // Extraction following DIN EN 62321-6 (2016)	Usage ban // 1.0 mg/kg for every allocated Member/Substance.
Monomethyl-dibromo-diphenyl methane	99688-47-8	All	Usage ban		1.0		mg/kg	GC-MS // Extraction following DIN EN 62321-6 (2016)	For sum of all allocated Members/Substances.
Monomethyl-dichloro-diphenyl methane	81161-70-8	All	Usage ban		1.0		mg/kg		
Monomethyl-tetrachloro-diphenyl methane	76253-60-6	All	Usage ban		1.0		mg/kg		



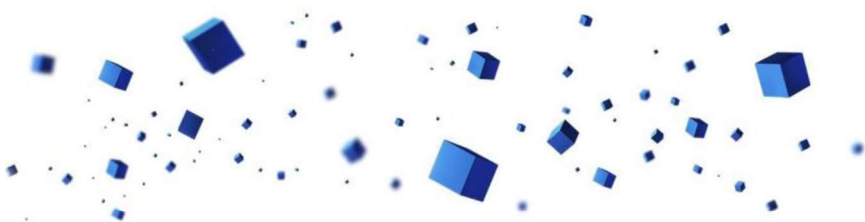
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Isocyanates									
Isocyanates	Several	All	Limitation	1.0			mg/kg	EN 13130-8 (2004)	Free content applies to sum of all allocated isocyanates.
1,3-bis(isocyanatomethyl) benzene	3634-83-1								
Diphenylmethane-di-isocyanates	Several								
Diphenylmethane-4,4-di-isocyanate	101-68-8								
Diphenylmethane-2,2-di-isocyanate	2536-05-2								
Diphenylmethane-2,4-di-isocyanate	5873-54-1								
Methylenediphenyl diisocyanate, mixed isomers	26447-40-5								
Methylenediphenyl diisocyanate, techn. grade	9016-87-9								
Hexamethylene-di-isocyanate	822-06-0								
Isophorone-di-isocyanate	4098-71-9								
Tetramethylxylene-di-isocyanate	2778-42-9								
Toluene-di-isocyanates	Several								
Toluene-2,4-di-isocyanate	584-84-9								
Toluene-2,6-di-isocyanate	91-08-7								
2,4-/2,6-TDI mixture	26471-62-5								
2,6-Diisopropylphenyl-isocyanate	28178-42-9								
Dicyclohexylmethane-4,4-di-isocyanate	5124-30-1								
Napthylene-1,5-di-isocyanate	3173-72-6								
Phenylisocyanate	103-71-9								



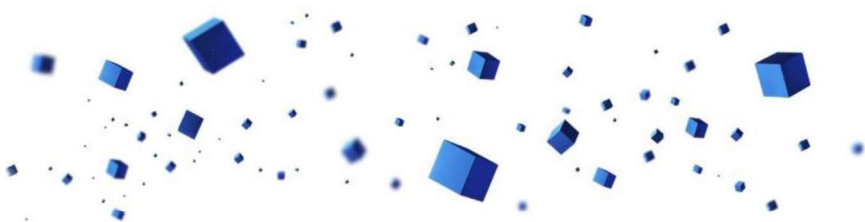
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Metals									
Antimony its salts and compounds	Several								
Antimony - as content	7440-36-0	Textiles	Limitation	5	10	10	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content // Usage as flame retardant: bluesign® CRITERIA for flame retardants have to be followed.
		Fibers/yarns	Limitation	260			mg/kg	DIN EN 16711-1 (2016) // Total content	As total metal content // valid for Polyester raw fiber.
		Down/feather Polymer parts Metal parts	Limitation	60			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 // Usage as flame retardant: bluesign® CRITERIA for flame retardants have to be followed.
		Leather	Limitation	5	10	10	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
Antimony	7440-36-0								
Arsenic its salts and compounds	Several								
Arsenic - as content	7440-38-2	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.2			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content. Single Substances listed in Annex.
		Textiles Down/feather Polymer parts Metal parts	Usage ban	10			mg/kg	DIN EN 16711-1 (2016) // Total content	As total metal content. Single Substances listed in Annex.
		Leather	Usage ban	0.2			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content. Single Substances listed in Annex.
		Leather	Usage ban	10			mg/kg	EN ISO 17072-2 (2019) // Total content	As total metal content. Single Substances listed in Annex.
Arsenic	7440-38-2								



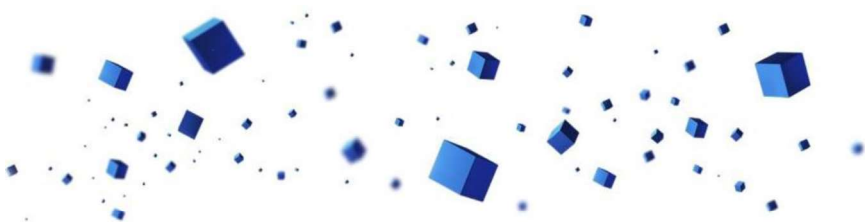
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Metals									
Barium its salts and compounds	Several								
Barium - as content	7440-39-3	Textiles	Limitation	100	mg/kg	DIN EN 16711-1 (2016) // Total content		As total metal content. Single Substances listed in Annex.	
		Down/feather Leather Polymer parts Metal parts	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. Single Substances listed in Annex.	
Barium	7440-39-3								
Cadmium its salts and compounds	Several								
Cadmium - as content	7440-43-9	Textiles Down/feather Polymer parts	Usage ban	0.1	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution		As extractable metal content. Single Substances listed in Annex.	
		Textiles Down/feather Polymer parts	Usage ban	40	mg/kg	DIN EN 16711-1 (2016) // Total content		As total metal content. Single Substances listed in Annex.	
		Metal parts	Usage ban	40	mg/kg				
		Leather	Usage ban	0.1	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution		As extractable metal content. Single Substances listed in Annex.	
		Leather	Usage ban	40	mg/kg	EN ISO 17072-2 (2019) // Total content		As total metal content. Single Substances listed in Annex.	
Cadmium	7440-43-9								



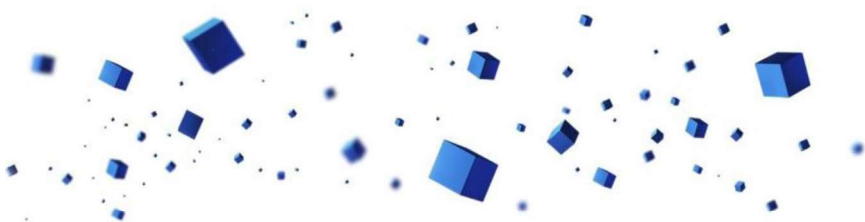
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Metals									
Chromium its salts and compounds - except Chromium VI, its salts and compounds	Several								
Chromium - as content	7440-47-3	Textiles	Limitation	0.5	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution		As extractable metal content // for textiles dyed with chromium containing metal complex dyes A: 1.0 // B: 2.0 // C: 2.0 mg/kg.	
		Down/feather Leather Polymer parts Metal parts	Limitation	60	mg/kg	EN 71-3 (2019) // Acidic solution migration simulating gastric juices DIN EN ISO 17294-2 (2017) DIN EN ISO 11885 (2009)		If products are covered with a metal layer, including a chromium layer, coating must be constantly in good condition // As extractable metal content.	
Chromium	7440-47-3								
Chromium VI its salts and compounds	Several								
Chromium VI - as content	18540-29-9	Textiles Down/feather Polymer parts	Usage ban	0.5	mg/kg	EN ISO 17075-1 (2017)		As extractable metal content. Single Substances listed in Annex.	
		Metal parts	Usage ban	0.5	mg/kg	EN 62321-7-1 (2016)			
		Leather	Usage ban	3.0	mg/kg	DIN EN ISO 4044 (2017) EN ISO 17075-1 (2017) EN ISO 17075-2 (2017)			
Chromium VI	18540-29-9								



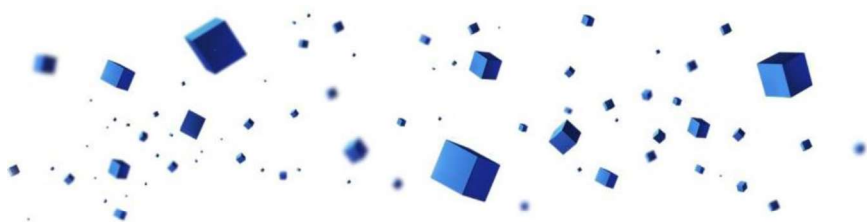
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Metals									
Cobalt its salts and compounds	Several								
Cobalt - as content	7440-48-4	Textiles	Limitation	1.0			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content // exception for articles dyed with cobalt containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg Single Substances listed in Annex.
		Down/feather Polymer parts Metal parts	Limitation	1.0	4.0	4.0	mg/kg		As extractable metal content.
		Leather	Limitation	1.0			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content // exception for articles dyed with cobalt containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg Single Substances listed in Annex.
Cobalt	7440-48-4								
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	
Copper	7440-50-8								



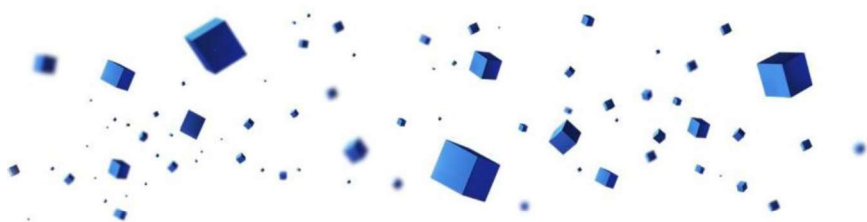
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Metals									
Lead its salts and compounds	Several								
Lead - as content	7439-92-1	Textiles Down/feather Polymer parts	Usage ban	0.2	1.0	1.0	mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content. Single Substances listed in Annex.
		Textiles Down/feather Polymer parts	Usage ban	40			mg/kg	DIN EN 16711-1 (2016) // Total content	As total metal content. Single Substances listed in Annex.
		Metal parts	Usage ban	90			mg/kg		
		Leather	Usage ban	0.2	1.0	1.0	mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content. Single Substances listed in Annex.
		Leather	Usage ban	40			mg/kg	EN ISO 17072-2 (2019) // Total content	As total metal content. Single Substances listed in Annex.
Lead	7439-92-1								
Mercury its salts and compounds	Several								
Mercury - as content	7439-97-6	Textiles Down/feather Polymer parts	Usage ban	0.02			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content.
		Metal parts	Usage ban	60			mg/kg	EN 71-3 (2019) // Acidic solution migration simulating gastric juices EN ISO 12846 (2012)	
		Leather	Usage ban	0.02			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
Mercury	7439-97-6								



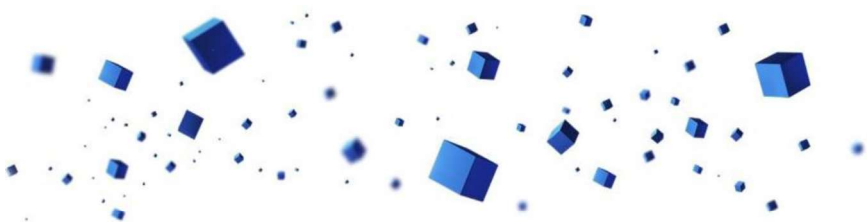
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Metals									
Nickel its salts and compounds	Several								
Nickel - as content	7440-02-0	Textiles	Limitation	1.0			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content // exception for articles dyed with nickel containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg.
		Polymer parts Metal parts	Usage ban	0.5	0.5		µg/cm ² /week	EN 12472 (2020) EN 1811 (2011) + A1 (2015) // Release	Usage ban for A and B // Release // as metal content.
		Down/feather Leather	Limitation	1.0			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	As extractable metal content // exception for articles dyed with nickel containing metal complex dyes A: 1.0 // B: 4.0 // C: 4.0 mg/kg.
Nickel	7440-02-0								
Selenium its salts and compounds	Several								
Selenium - as content	7782-49-2	Textiles Down/feather Polymer parts Metal parts	Limitation	500			mg/kg	DIN EN 16711-2 (2016) // Acidic sweat solution	As extractable metal content.
		Leather	Limitation	500			mg/kg	EN ISO 17072-1 (2019) // Acidic sweat solution	
Selenium	7782-49-2								
Silver its salts and compounds	Several								
Silver - as content	7440-22-4	Textiles Leather	Limitation						If used as antimicrobial active compound relevant bluesign® CRITERIA have to be followed.
Silver	7440-22-4								



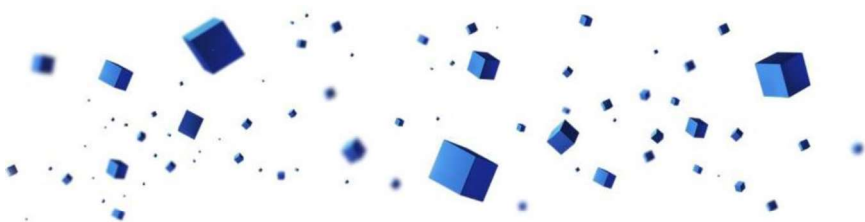
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Monomers									
Acrylamide	79-06-1	All	Usage ban	1.0			mg/kg	CEN/TS 13130-10 (2005)	
Acrylates	Several	All	Limitation					GC-MS // Headspace LC-MS // Extraction with Methanol	
Acrylic acid	79-10-7	All	Limitation	5			mg/kg	LC-MS // Extraction with Methanol	
Butyl acrylate	141-32-2	All	Limitation	10	50	100	mg/kg	GC-MS // Headspace	
tert-Butylacrylate	1663-39-4	All	Limitation	10	10	100	mg/kg		
Butyl methacrylate	97-88-1	All	Limitation	10	10	100	mg/kg		
Ethyl acrylate	140-88-5	All	Limitation	1.0			mg/kg		
2-Ethylhexyl acrylate	103-11-7	All	Limitation	50	50	100	mg/kg		
Ethyl methacrylate	97-63-2	All	Limitation	10	10	100	mg/kg		
2-Hydroxyethyl methacrylate	868-77-9	All	Limitation	50	50	100	mg/kg		
Methacrylic acid	79-41-4	All	Limitation	10	50	100	mg/kg	LC-MS // Extraction with Methanol	
2-Methoxyethyl acrylate	3121-61-7	All	Limitation	10	50	50	mg/kg	GC-MS // Headspace	Articles need to comply latest 01 July 2023.
Methyl acrylate	96-33-3	All	Limitation	5	20	20	mg/kg		
Methyl methacrylate	80-62-6	All	Limitation	10	10	100	mg/kg		
Octadecyl acrylate	4813-57-4	All	Limitation	50	50	100	mg/kg		
2-Phenoxyethyl acrylate	48145-04-6	All	Limitation	50	50	100	mg/kg		
Acrylonitrile	107-13-1	All	Usage ban	1.0			mg/kg	EN 13130-3 (2004)	
2-Chlorobuta-1,3-diene	126-99-8	All	Monitoring	1.0			mg/kg	According to BVL B 80.30-22	Usage ban.



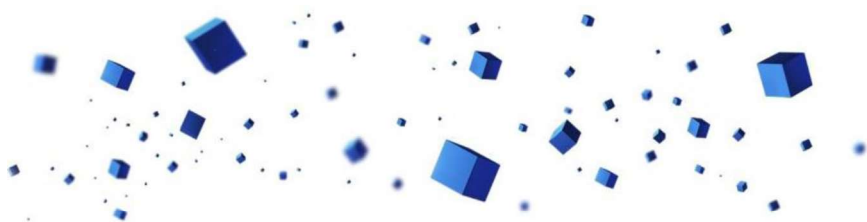
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Monomers									
4-Cyanocyclohexene	100-45-8	All	Monitoring	50			mg/kg	GC-MS // Headspace	Limit.
Epichlorohydrin	106-89-8	All	Usage ban	1.0			mg/kg	CEN/TS 13130-20 (2005)	
Methacrylamide	79-39-0	Textiles	Limitation	1.0	10	50	mg/kg	GC-MS // 2-Step extraction with Acetone/Hexane and Methanol LC-MS // 2-Step extraction with Acetone/Hexane and Methanol	
		Down/feather Leather Polymer parts Metal parts	Limitation	1.0	10	50	mg/kg	GC-MS // 3-Step extraction with Tetrahydrofuran, Acetone/Hexane (ASE or Soxhlet) and Methanol LC-MS // 3-Step extraction with Tetrahydrofuran, Acetone/Hexane (ASE or Soxhlet) and Methanol	
N-Methylolacrylamide	924-42-5	Textiles	Usage ban	1.0	10	10	mg/kg	GC-MS // 2-Step extraction with Acetone/Hexane and Methanol LC-MS // 2-Step extraction with Acetone/Hexane and Methanol	
		Down/feather Leather Polymer parts Metal parts	Usage ban	1.0	10	10	mg/kg	GC-MS // 3-Step extraction with Tetrahydrofuran, Acetone/Hexane (ASE or Soxhlet) and Methanol LC-MS // 3-Step extraction with Tetrahydrofuran, Acetone/Hexane (ASE or Soxhlet) and Methanol	
Styrene	100-42-5	All	Limitation	10	10	100	mg/kg	GC-MS // Extraction with Methanol	
N-Vinyl-2-pyrrolidone	88-12-0	Textiles	Limitation	1.0			mg/kg	EN 17131 (2019) CEN ISO/TS 16189 (2013)	
		Down/feather Polymer parts Metal parts	Limitation	1.0			mg/kg	CEN ISO/TS 16189 (2013)	
		Leather	Limitation	1.0			mg/kg	EN ISO 19070 (2016)	



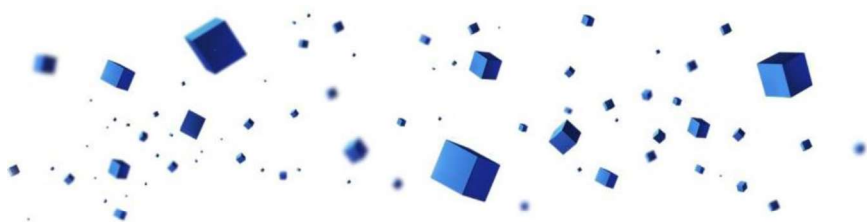
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Monomers									
Vinyl acetate	108-05-4	All	Limitation	10	50	50	mg/kg	GC-MS // Headspace	
Vinyl chloride	75-01-4	All	Usage ban	0.1			mg/kg	ISO 6401 (2008)	
Vinylidene chloride	75-35-4	All	Limitation	10			mg/kg	EN 13130-6 (2004) // Headspace GC-ECD EN 13130-6 (2004) // Headspace GC-FID	
1-Vinylimidazole	1072-63-5	All	Usage ban	50	200	200	mg/kg	GC-MS // Extraction with Acetone	Articles need to comply latest 01 July 2023.



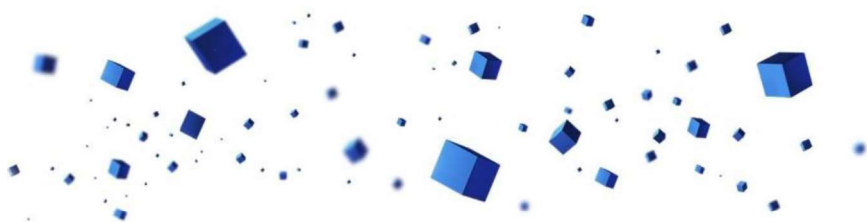
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Nitrosamines									
Nitrosamines	Several	All	Usage ban					GB/T 24513 (2009) EN ISO 19577 (2019)	As substance and as reaction product from secondary amines for example in elastomers or rubbers. Usage ban 0.5 mg/kg for every allocated Member/Substance.
N-Nitroso-di-n-butylamine	924-16-3	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-ethanolamine	1116-54-7	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-ethylamine	55-18-5	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-isopropylamine	601-77-4	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-methylamine	62-75-9	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-benzylamine	5336-53-8	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-isobutylamine	997-95-5	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-isononylamine	1207995-62-7	All	Usage ban		0.5		mg/kg		
N-Nitroso-di-n-propylamine	621-64-7	All	Usage ban		0.5		mg/kg		
N-Nitroso-ethylphenylamine	612-64-6	All	Usage ban		0.5		mg/kg		
N-Nitroso-methylphenylamine	614-00-6	All	Usage ban		0.5		mg/kg		
N-Nitrosomethyl-n-butylamine	7068-83-9	All	Usage ban		0.5		mg/kg		Articles need to comply latest 01 July 2024.
N-Nitrosomethyl-n-propylamine	924-46-9	All	Usage ban		0.5		mg/kg		
N-Nitroso-morpholine	59-89-2	All	Usage ban		0.5		mg/kg		
N-Nitroso-piperidine	100-75-4	All	Usage ban		0.5		mg/kg		
N-Nitroso-pyrrolidine	930-55-2	All	Usage ban		0.5		mg/kg		



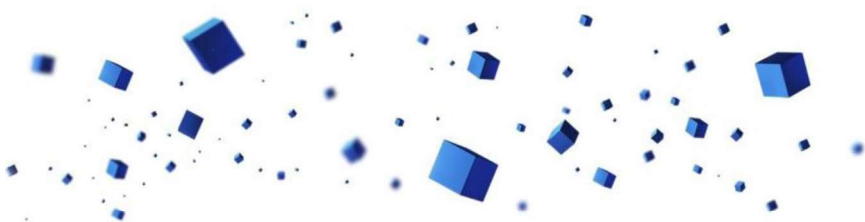
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
Acetone oxime	127-06-0	All	Limitation	20	100	100	mg/kg	GC-MS // Extraction with Methanol	
Acetophenone	98-86-2	All	Limitation	20			mg/kg		
Alkyl naphthalenes all derivatives	Several	All	Usage ban	1.0			mg/kg	GC-MS // Extraction following DIN EN 62321-6 (2016)	
Ammonia	7664-41-7	All	Limitation	10	50	50	mg/kg	IC // Extraction with Deionized Water	
Azobenzene	103-33-3	All	Monitoring	1.0			mg/kg	GC-MS // Extraction with Methanol LC-MS // Extraction with Methanol	Usage ban.
Azodicarbonamide	123-77-3	All	Limitation	100	200	200	mg/kg	GC-MS // Solvent extraction LC-MS // Solvent extraction LC-DAD // Solvent extraction	
Benzyl alcohol	100-51-6	All	Limitation	10	100	100	mg/kg	GC-MS // Extraction with Acetone	
Benzyl chloride	100-44-7	All	Usage ban	1.0			mg/kg	GC-MS // Extraction with Dichloromethane	
Biphenyl	92-52-4	All	Limitation	100	100	500	mg/kg	GC-MS // Extraction following DIN EN 62321-6 (2016)	
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 Tetrahydrofuran	
Bisphenol AF	1478-61-1	All	Monitoring	10			mg/kg		Reporting limit (RL) 10 mg/kg.
Bisphenol B	77-40-7	All	Usage ban	10			mg/kg		Articles need to comply latest 01 July 2024.
Bisphenol F	620-92-8	All	Monitoring	10			mg/kg		Reporting limit (RL) 10 mg/kg.
Bisphenol S	80-09-1	All	Monitoring	10			mg/kg	EN ISO 18857-2 (2012) // Extraction with Tetrahydrofuran	



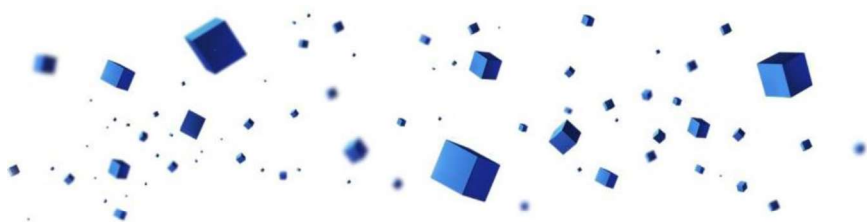
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
Boric acid and derivatives	Several	All	Usage ban				mg/kg	ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)	Limit: 100 mg/kg for every allocated substance or group.
Borate, zinc salt	1332-07-6	All	Usage ban		100		mg/kg		
Boron zinc oxide	12767-90-7	All	Usage ban		100		mg/kg		
Boric acid	10043-35-3 11113-50-1	All	Usage ban		100		mg/kg		
Diboron trioxide	1303-86-2	All	Usage ban		100		mg/kg		
Disodium tetraborate	Several	All	Usage ban		100		mg/kg		
Disodium tetraborate, decahydrate	1303-96-4								
Disodium tetraborate, anhydrous	1330-43-4								
Disodium tetraborate, pentahydrate	12179-04-3								
Disodium octaborate	Several	All	Usage ban		100		mg/kg	ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)	
Disodium octaborate, anhydrous	12008-41-2								
Disodium octaborate, tetrahydrate	12280-03-4								
Orthoboric acid, sodium salt	13840-56-7 1333-73-9 25747-83-5	All	Usage ban		100		mg/kg	ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)	
Boric acid, monosodium salt	14890-53-0								
Boric acid, disodium salt	22454-04-2								
Boric acid, trisodium salt	14312-40-4								



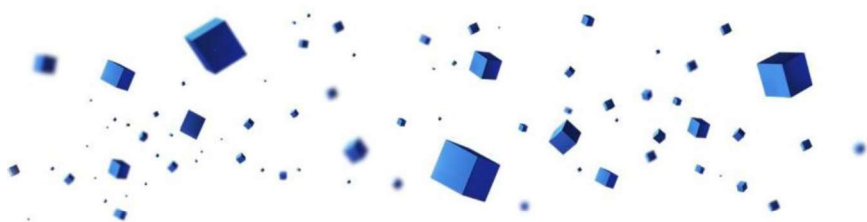
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
<i>Perboric acid, sodium salt</i>	11138-47-9	All	Usage ban	100			mg/kg	ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)	For every allocated Member/Substance.
Perboric acid (HBO(O ₂)), sodium salt, monohydrate	10332-33-9								
Perboric acid, sodium salt, monohydrate	12040-72-1								
Perboric acid, sodium salt, tetrahydrate	37244-98-7								
<i>Sodium perborate derivatives</i>	Several	All	Usage ban	100			mg/kg	ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)	
Sodium perborate	15120-21-5								
Sodium perborate, anhydrous	7632-04-4								
Tetraboron disodium heptaoxide, hydrate	12267-73-1	All	Usage ban	100			mg/kg	ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg)	
2-Butanone oxime	96-29-7	All	Limitation	1.0	10	100	mg/kg	GC-MS // Extraction with Methanol	Limitation.
4-tert-Butyltoluene	98-51-1	All	Usage ban	1.0			mg/kg		
2-Butyne-1,4-diol	110-65-6	All	Monitoring	1.0			mg/kg		
ε-Caprolactam	105-60-2	All	Limitation	100	1000	1000	mg/kg	LC-MS // Extraction with Methanol	Not in force for PA 6 containing polymers (fibers, hot melt etc.).
2-Chloroethanol	107-07-3	All	Limitation	1.0	10	50	mg/kg	GC-MS // Extraction with Methanol GC-MS // Headspace	
Colophony	8050-09-7 8052-10-6	All	Limitation	10			mg/kg	GC-MS // Extraction with tert-Butyl methyl ether (MTBE), derivatization	Analysed as abiatic or hydroabiatic acid.



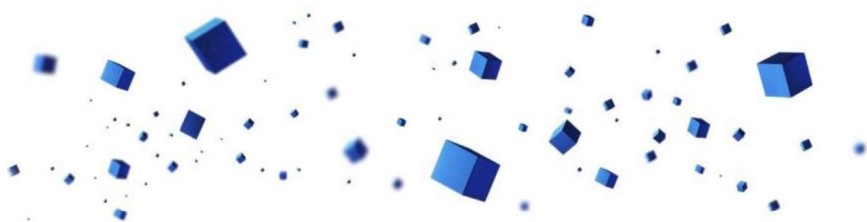
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
Cresol all isomers	1319-77-3	All	Usage ban					BVL B 82.02-8 (2001) // Extraction with Potassium hydroxide DIN EN ISO 17070 (2015) // Extraction with Potassium hydroxide	Usage ban 10 mg/kg for each isomer.
o-Cresol	95-48-7	All	Usage ban		10		mg/kg		
m-Cresol	108-39-4	All	Usage ban		10		mg/kg		
p-Cresol	106-44-5	All	Usage ban		10		mg/kg		
Cyclohexanol	108-93-0	All	Limitation		10		mg/kg	GC-MS // Headspace	
Cyclohexanone	108-94-1	All	Limitation		10		mg/kg		
1,3-Dichloro-2-propanol	96-23-1	All	Usage ban		1.0		mg/kg		
3,5-Dimethylpyrazole	67-51-6	All	Monitoring	50	200	200	mg/kg	GC-MS // Extraction with Methanol	
Dimethyl sulfate	77-78-1	All	Usage ban		1.0		mg/kg	GC-MS // Headspace	
2,4-Dinitrotoluene	121-14-2	All	Usage ban		10		mg/kg	GC-MS // Extraction with Toluene	
1,4-Dioxane	123-91-1	All	Usage ban		10		mg/kg	GC-MS // Headspace	
Ethylbenzene	100-41-4	All	Limitation	500	500	1000	mg/kg		
Ethyleneimine	151-56-4	All	Usage ban		1.0		mg/kg		
2-Ethylhexanol	104-76-7	All	Limitation	50	200	500	mg/kg		
Formaldehyde oligomeric reaction product with aniline	25214-70-4	All	Usage ban		20		mg/kg	LC-MS // Indirect testing via Diaminodiphenylmethane	
Formamide	75-12-7	Textiles	Usage ban	50	50	100	mg/kg	EN 17131 (2019)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50	50	100	mg/kg	CEN ISO/TS 16189 (2013)	



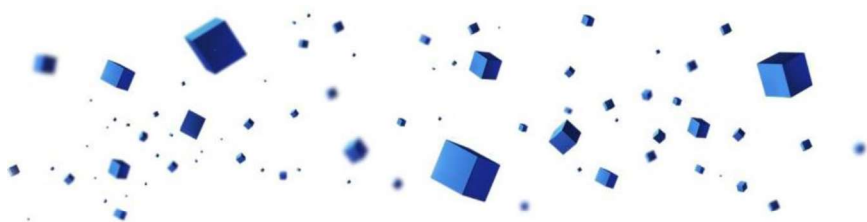
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
Formic acid	64-18-6	All	Limitation	10	10	100	mg/kg	LC-MS // Extraction with Methanol	
Hydrazine its salts and hydrates	Several	All	Usage ban	1.0			mg/kg	GC-MS // Extraction with Tetrahydrofuran/Acetone	
Hydrazine	302-01-2								
Hydrazine hydrates	7803-57-8								
Hydrazine sulfate	10034-93-2								
Hydrofluoric acid	7664-39-3	All	Limitation	1.0			mg/kg	GC-MS // Extraction with Water and measurement of Fluorine IC // Extraction with Water and measurement of Fluoride	
4-Hydroxy-4-methylpentane-2-one	123-42-2	All	Limitation	20	100	100	mg/kg	GC-MS // Headspace	
Isoquinoline	119-65-3	All	Usage ban	50			mg/kg	LC-MS/MS // Extraction with Methanol LC-DAD // Extraction with Tetrahydrofuran LC-MS/MS // Extraction with Tetrahydrofuran LC-DAD // Extraction with Methanol	
Mercaptobenzothiazole and its salts	Several	All	Limitation	5.0	200	200	mg/kg	LC-MS // DIN EN ISO 105-E04 (2013) (acidic sweat solution)	Limitation also valid for natural and synthetic rubber.
Mercaptobenzothiazole	149-30-4								
Methanol	67-56-1	All	Limitation	200	1000	1000	mg/kg	GC-MS // Headspace	
2-Methylaziridine	75-55-8	All	Usage ban	1.0			mg/kg		
N-Cyclohexyl-2-pyrrolidone	6837-24-7	All	Limitation	20	200	200	mg/kg	GC-MS // Extraction with Methanol	



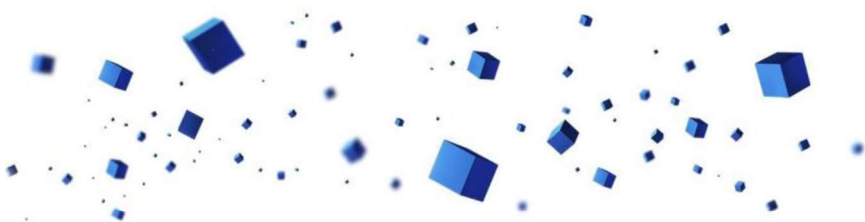
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
Nitropropane derivatives	Several	All	Limitation					GC-MS // Headspace	Limitation for 1-Nitropropane. Usage ban for 2-Nitropropane. See also default limits for specific substances.
1-Nitropropane	108-03-2	All	Limitation	1.0			mg/kg		
2-Nitropropane	79-46-9	All	Usage ban	1.0			mg/kg		
Phenol	108-95-2	All	Limitation	10	50	100	mg/kg	GC-MS // Extraction with Methanol LC-MS // Extraction with Methanol	
4-Phenylcyclohexene	4994-16-5	All	Limitation	10	10	50	mg/kg	GC-MS // Extraction with Methanol GC-MS // Headspace	
2-Phenyl-2-propanol	617-94-7	All	Limitation	10	50	50	mg/kg	GC-MS // Extraction with Methanol	
Potassium bromate	7758-01-2	All	Usage ban	10			mg/kg	IC // Extraction with Potassium carbonate solution	
Quinoline	91-22-5	All	Usage ban	50			mg/kg	LC-MS/MS // Extraction with Methanol LC-DAD // Extraction with Tetrahydrofuran LC-MS/MS // Extraction with Tetrahydrofuran LC-DAD // Extraction with Methanol	
Siloxanes	Several	All	Usage ban					GC // With reference to TEGEWA method	Usage ban for every allocated Member/Substance.
D4-Siloxane (Octamethylcyclotetrasiloxane)	556-67-2	All	Usage ban	30			mg/kg		
D5-Siloxane (Decamethylcyclopentasiloxane)	541-02-6	All	Usage ban	50			mg/kg		
D6-Siloxane (Dodecamethylcyclohexasiloxane)	540-97-6	All	Usage ban	50			mg/kg		
Sodium bromate	7789-38-0	All	Usage ban	10			mg/kg	IC // Extraction with Potassium carbonate solution	



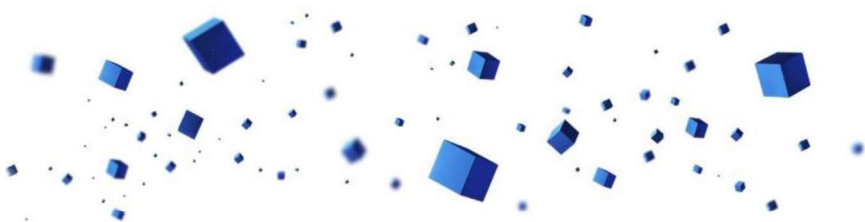
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Other Chemical Substances									
Terpene hydrocarbons	Several	All	Usage ban					GC-MS // Headspace	Usage ban 10 mg/kg for every allocated Member/Substance.
D-Limonene	5989-27-5	All	Usage ban		10		mg/kg		
DL-Limonene	138-86-3	All	Usage ban		10		mg/kg		
L-Limonene	5989-54-8	All	Usage ban		10		mg/kg		
Thiourea	62-56-6	All	Usage ban		5		mg/kg	LC-MS // Extraction with Methanol	
Tri-iso-butyl phosphate	126-71-6	All	Limitation	10	50	50	mg/kg	GC-MS // Extraction following IEC 62321-6 (2015)	
Tri-n-butyl phosphate	126-73-8	All	Limitation	10	50	50	mg/kg		
4-Vinylcyclohexene	100-40-3	All	Limitation		1.0		mg/kg	GC-MS // Headspace	
Sodium borohydride	16940-66-2	All	Usage ban		100		mg/kg	ICP-MS // Indirect testing via Boron (DL for Boron 10 mg/kg) ICP-OES // Indirect testing via Boron (DL for Boron 10 mg/kg)	



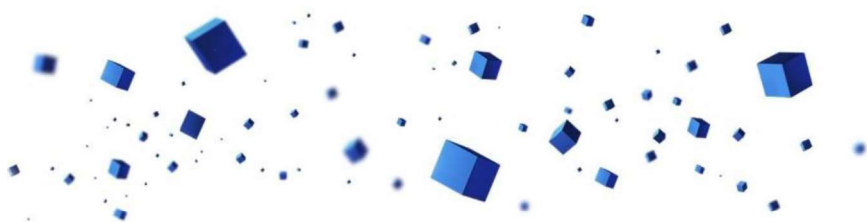
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)									
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	Several	All	Usage ban					GC-MS // Headspace	Usage ban for direct use in manufacturing of articles // 0.1 mg/kg for every allocated Member/Substance.
<i>Ozone depleting substances (CFCs) class I</i>	Several	All	Usage ban						Usage ban for direct use in manufacturing of articles // 0.1 mg/kg for every allocated Member/Substance. Single Substances listed in Annex.
<i>Ozone depleting substances (CFCs) class II</i>	Several	All	Usage ban						



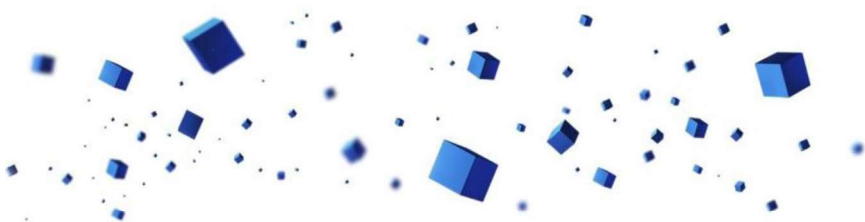
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA									
Perfluoroalkyl carboxylic acids and derivatives - PFCA	Several	All	Usage ban						General usage ban for all PFCA chemicals. Exceptions only possible for chemical products, based on C6 chemistry, that are intended for essential use as defined in coming EU regulation. Articles need to comply latest 01 July 2024. See also PFAS statement in section 5.6.
Perfluorocarboxylic acids and its salts	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.1			mg/kg	CEN/TS 15968 (2014)	For sum of all allocated Members/Substances.
		Leather	Usage ban	0.1			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorobutanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	Usage ban. Single Substances listed in Annex.
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorohexanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluoroheptanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	



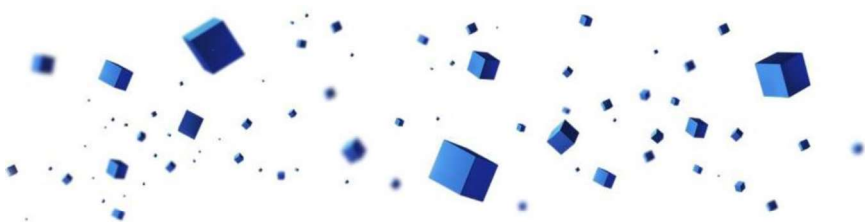
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA									
<i>Perfluorooctanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	25			µg/kg	CEN/TS 15968 (2014)	Usage ban. Single Substances listed in Annex.
		Leather	Usage ban	25			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorononanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorodecanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluoroundecanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorododecanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	



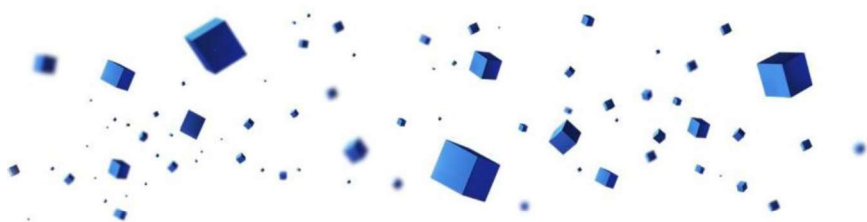
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA									
<i>Perfluorotridecanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	Usage ban. Single Substances listed in Annex.
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorotetradecanoic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorohexanoic acid related substances</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	1000			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	1000			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorooctanoic acid related substances</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	1000			µg/kg	CEN/TS 15968 (2014)	For the sum of PFOA-related substances. Single Substances listed in Annex.
		Leather	Usage ban	1000			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorooctylethyl olefins</i>	Several								
Perfluorooctylethene	21652-58-4								
Heptadecafluoro-1-iodooctane	507-63-1								
1H,1H,2H,2H-Perfluorodecyl iodide	2043-53-0								
Pentadecafluorooctyl fluoride	335-66-0								



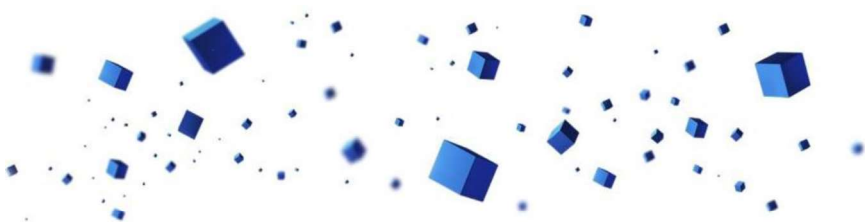
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA									
Perfluoroisobutylene	382-21-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.1			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	0.1			mg/kg	EN ISO 23702-1 (2018)	
Tetrafluoroethylene	116-14-3	Textiles Down/feather Polymer parts Metal parts	Usage ban	1.0			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	1.0			mg/kg	EN ISO 23702-1 (2018)	
Perfluoroalkyl compounds, branched	Several								
<i>2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	0.05			mg/kg	CEN/TS 15968 (2014)	Single Substances listed in Annex.
		Leather	Usage ban	0.05			mg/kg	EN ISO 23702-1 (2018)	



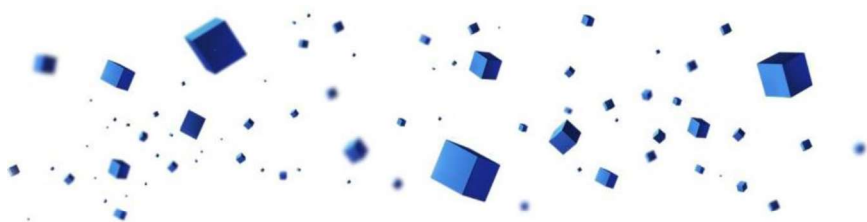
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA									
Perfluoroalkyl sulfonic acids and derivatives - PFSA	Several	All	Usage ban						General usage ban for all PFSA chemicals. Exceptions only possible for chemical products intended for essential use as defined in coming EU regulation. Articles need to comply latest 01 July 2024. See also PFAS statement in section 5.6.
Perfluorobutane sulfonic acid and its derivatives	Several								
<i>Perfluorobutane sulfonic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	1.0			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	1.0			mg/kg	EN ISO 23702-1 (2018)	
Perfluorobutane sulfonic acid	375-73-5								
Perfluorobutane sulfonates	45187-15-3								
<i>Perfluorobutane sulfon amides</i>	30334-69-1	Textiles Down/feather Polymer parts Metal parts	Usage ban	50			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	50			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorobutane sulfon amido ethanols</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	15			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	15			mg/kg	EN ISO 23702-1 (2018)	



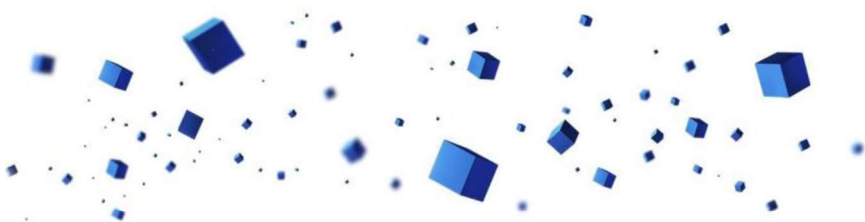
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA									
<i>Perfluorobutane sulfon amidoethyl (meth)acrylates</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	15			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	15			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorobutane sulfon halides</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	15			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	15			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorobutane sulfon polymers</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	15			mg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	15			mg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorohexane sulfonic acid and its derivatives</i>	Several	All	Usage ban						Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher). Single Substances listed in Annex.
<i>Perfluorohexane sulphonic acid and its salts</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	Single Substances listed in Annex.
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	



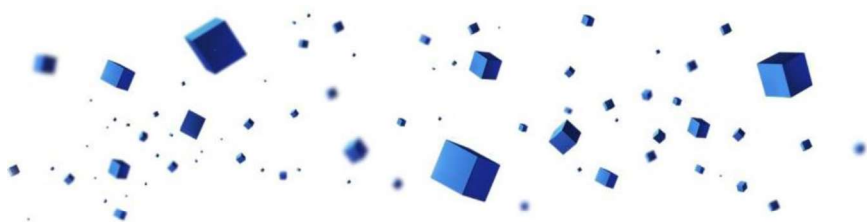
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA									
<i>Perfluorohexane sulfon amides</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
Perfluorohexane sulfon amide	41997-13-1								
<i>Perfluorohexane sulfon amidoethanols</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorohexane sulfon amidoethyl (meth)acrylates</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorohexane sulfon halides</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluorohexane sulfon polymers</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	



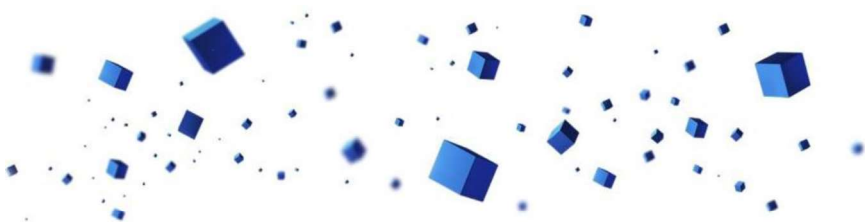
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA									
Perfluorooctane sulfonic acid and its derivatives	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	1.0			µg/m ²	CEN/TS 15968 (2014)	Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher). Single Substances listed in Annex.
		Leather	Usage ban	1.0			µg/m ²	EN ISO 23702-1 (2018)	
<i>Perfluorooctane sulphonic acid and its salts</i>	Several								
<i>Perfluorooctane sulfon amides</i>	Several								
<i>Perfluorooctane sulfon amidoethanols</i>	Several								
<i>Perfluorooctane sulfon amidoethyl (meth)acrylates</i>	Several								
<i>Perfluorooctane sulfon halides</i>	Several								
<i>Perfluorooctane sulfon polymers</i>	Several								
Perfluoroalkyl sulfonic acid and its derivatives F(CF₂)_n [n>8]	Several	All	Usage ban						Usage ban 20 µg/kg for every allocated group.
<i>Perfluoroalkyl sulphonic acid and its salts F(CF₂)_n [n>8]</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
<i>Perfluoroalkyl sulfon amides F(CF₂)_n [n>8]</i>	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	



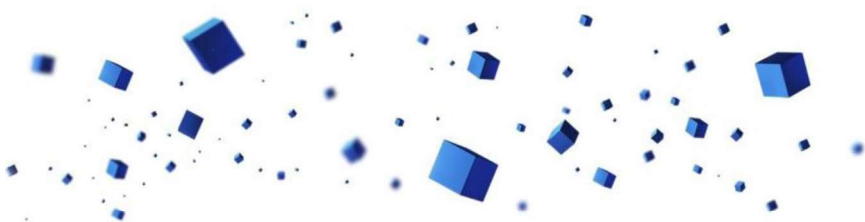
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA									
Perfluoroalkyl sulfon amidoethanols F(CF2)n [n>8]	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
Perfluoroalkyl sulfon amidoethyl (meth)acrylates F(CF2)n [n>8]	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
Perfluoroalkyl sulfon halides F(CF2)n [n>8]	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
Perfluoroalkyl sulfon polymers F(CF2)n [n>8]	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban	20			µg/kg	CEN/TS 15968 (2014)	
		Leather	Usage ban	20			µg/kg	EN ISO 23702-1 (2018)	
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.



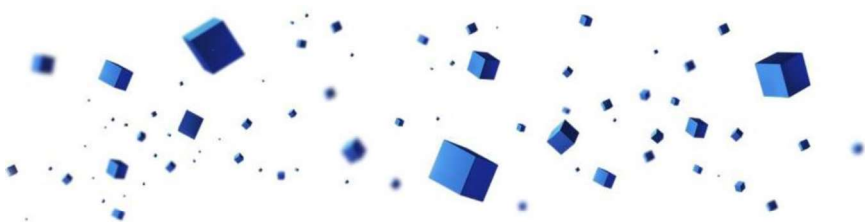
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Plasticizers									
Di-(2-ethylhexyl) adipate - (DEHA)	103-23-1	All	Monitoring					ISO 14389 (2014)	
Phthalic acid esters	Several	Textiles	Usage ban					CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	Usage ban 50 mg/kg for every allocated Member/Substance.
		Down/feather Leather Polymer parts Metal parts	Usage ban					CPSC-CH-C1001-09.4	
<i>1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich</i>	71888-89-6	Textiles	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4	
<i>1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters</i>	68515-40-2	Textiles	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4	
<i>1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkylesters</i>	68515-42-4	Textiles	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4	
<i>1,2-Benzenedicarboxylic acid, dipentylester, branched and linear</i>	84777-06-0	Textiles	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban		50		mg/kg	CPSC-CH-C1001-09.4	



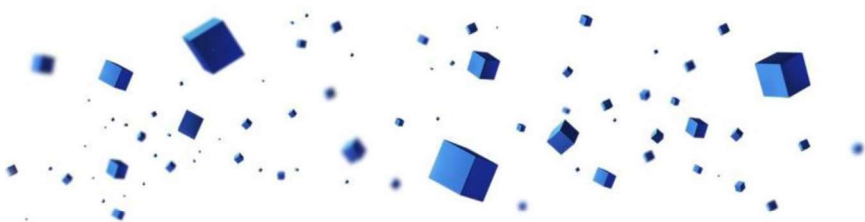
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Plasticizers									
<i>1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear</i>	68515-50-4	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
<i>1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters</i>	Several	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
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								
Bis-(2-methoxyethyl) phthalate (DMEP)	117-82-8	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Butylbenzyl phthalate (BBP)	85-68-7	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Dimethyl phthalate (DMP)	131-11-3	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	



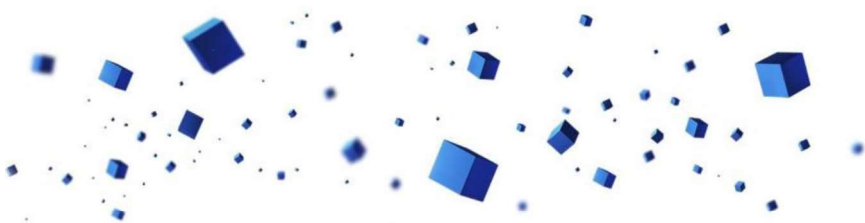
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Plasticizers									
Diethyl phthalate (DEP)	84-66-2	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Dibutyl phthalate (DBP)	84-74-2	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Dinonyl phthalate (DNP)	84-76-4	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Diethylhexyl phthalate (DEHP)	117-81-7	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-iso-butyl phthalate (DIBP)	84-69-5	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-iso-pentyl phthalate (DIPP)	605-50-5	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	



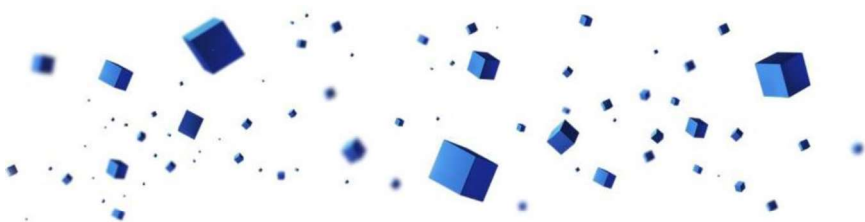
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Plasticizers									
Di-iso-hexyl phthalate (DIHxP)	71850-09-4	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-iso-octyl phthalate (DIOP)	27554-26-3	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
<i>Di-iso-nonyl phthalate (DINP)</i>	Several	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-iso-nonyl phthalate polygas based	28553-12-0								
Di-iso-nonyl phthalate iso & n-Butene based	68515-48-0								
<i>Di-iso-decyl phthalate (DIDP)</i>	Several	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-iso-decyl phthalate [1]	26761-40-0								
Di-iso-decyl phthalate [2]	68515-49-1								



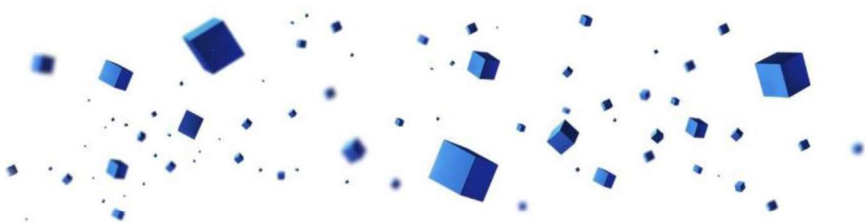
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Plasticizers									
Di-n-propyl phthalate (DPRP)	131-16-8	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-n-pentyl phthalate (DnPP)	131-18-0	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-n-hexyl phthalate (DnHP)	84-75-3	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-n-octyl phthalate (DnOP)	117-84-0	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
Di-cyclohexyl phthalate (DCHP)	84-61-7	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	
n-Pentyl-isopentyl phthalate	776297-69-9	Textiles	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4 EN ISO 14389 (2014)	
		Down/feather Leather Polymer parts Metal parts	Usage ban	50			mg/kg	CPSC-CH-C1001-09.4	



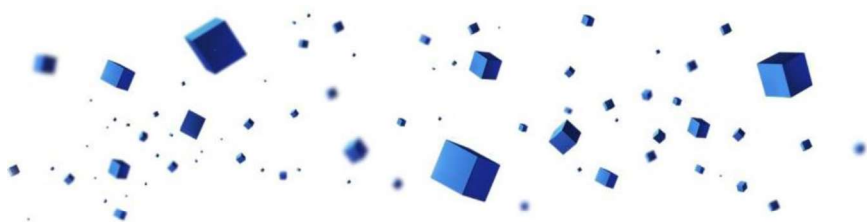
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Plasticizers									
<i>Phthalic acid and derivatives others than esters</i>	Several	All	Limitation					EN ISO 14389 (2014)	
Phthalic acid anhydride	85-44-9	All	Limitation	200	1000	1000	mg/kg		



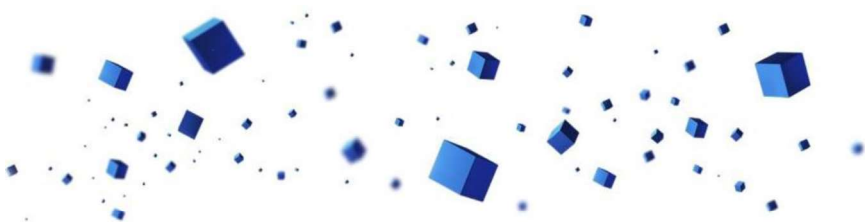
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Polyaromatic Hydrocarbons (PAHs)									
Polyaromatic hydrocarbons (PAHs)	Several	All	Usage ban	10			mg/kg	AfPS GS 2019	For sum of all allocated PAHs.
Benzo(a)pyrene	50-32-8	All	Usage ban	0.2			mg/kg		
Benzo(e)pyrene	192-97-2	All	Usage ban	0.5	1.0	1.0	mg/kg		
Benzo(a)anthracene	56-55-3	All	Usage ban	0.5	1.0	1.0	mg/kg		
Benzo(b)fluoroanthene	205-99-2	All	Usage ban	0.5	1.0	1.0	mg/kg		
Benzo(j)fluoroanthene	205-82-3	All	Usage ban	0.5	1.0	1.0	mg/kg		
Benzo(k)fluoroanthene	207-08-9	All	Usage ban	0.5	1.0	1.0	mg/kg		
Chrysene	218-01-9	All	Usage ban	0.5	1.0	1.0	mg/kg		
Dibenzo(a,h)anthrene	53-70-3	All	Usage ban	0.5	1.0	1.0	mg/kg		
Acenaphthene	83-32-9								
Acenaphthylene	208-96-8								
Anthracene	120-12-7								
Benzo[<i>rst</i>]pentaphene	189-55-9								
Benzo(ghi)perylene	191-24-2								
Cyclopenta[<i>c,d</i>]pyrene	27208-37-3								
Fluoranthene	206-44-0								
Fluorene	86-73-7								
Indeno(1,2,3- <i>cd</i>) pyrene	193-39-5								



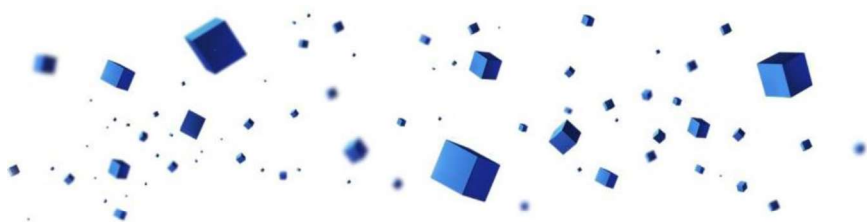
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Polyaromatic Hydrocarbons (PAHs)									
Naphthalene	91-20-3								
Phenanthrene	85-01-8								
Pyrene	129-00-0								
Dibenzo[def,p]chrysene	191-30-0								
Methylpyrene, 1-	2381-21-7								
Naphtho[1,2,3,4-def]chrysene	192-65-4								
Dibenzo[b,def]chrysene	189-64-0								
Polymers									
Polyvinyl chloride	9002-86-2	All	Usage ban					Beilstein test // FTIR measurement only if result of Beilstein test was positive	Usage ban for usage range A and B - Not detected // for usage range C: for special applications bluesign technologies has the right to make an individual decision.
Polyvinyliden chloride	9002-85-1	All	Usage ban						



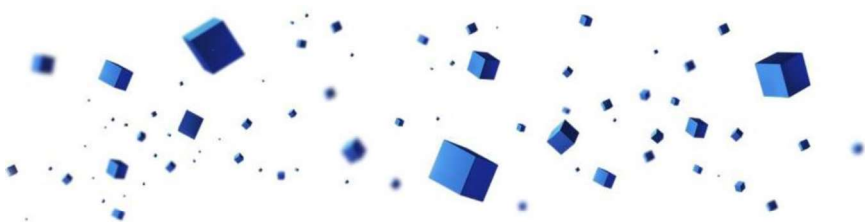
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Solvents									
Acetone	67-64-1	All	Limitation	10	10	100	mg/kg	GC-MS // Headspace	
Benzene	71-43-2	All	Usage ban	5.0			mg/kg	VDA 278 (2011)	
Carbon disulfide	75-15-0	All	Limitation	5.0	10	10	mg/kg	GC-MS // Headspace	
Chlorinated ethanes all isomers	Several	All	Usage ban						Usage ban 1.0 mg/kg for each isomer.
1,1,1-Trichloroethane	71-55-6	All	Usage ban	1.0			mg/kg		Is an Ozone Depleting Substance.
1,1,2-Trichloroethane	79-00-5	All	Usage ban	1.0			mg/kg		
1,1,1,2-Tetrachloroethane	630-20-6	All	Usage ban	1.0			mg/kg		
1,1,2,2-Tetrachloroethane	79-34-5	All	Usage ban	1.0			mg/kg		
Pentachloroethane	76-01-7	All	Usage ban	1.0			mg/kg		
Hexachloroethane	67-72-1	All	Usage ban	1.0			mg/kg		
Cyclohexane	110-82-7	All	Limitation	10			mg/kg		
1,2-Dichloroethane	107-06-2	All	Usage ban	1.0			mg/kg		
Dichloromethane	75-09-2	All	Usage ban	5.0			mg/kg		
Dimethyl sulfoxide (DMSO)	67-68-5	All	Limitation	500	1000	1000	mg/kg	GC-MS // Extraction with Methanol	
Hexachlorobutadiene	87-68-3	All	Usage ban	10			mg/kg	GC-MS // Extraction with Dichloromethane	



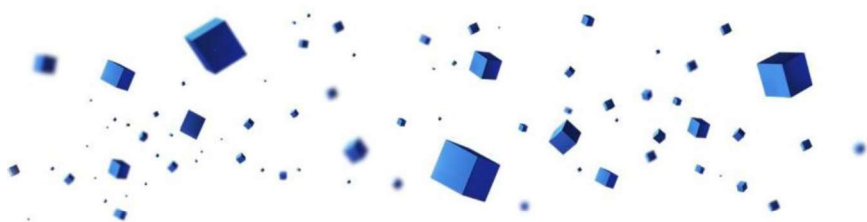
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Solvents									
2-Pyrrolidone	616-45-5	Textiles	Limitation	50	100	100	mg/kg	EN 17131 (2019)	Articles need to comply latest 01 July 2023.
		Down/feather Polymer parts Metal parts	Limitation	50	100	100	mg/kg	CEN ISO/TS 16189 (2013)	
		Leather	Limitation	50	100	100	mg/kg	EN ISO 19070 (2016)	
N-Ethyl-2-pyrrolidone (NEP)	2687-91-4	Textiles	Usage ban	10	10	100	mg/kg	EN 17131 (2019)	
		Down/feather Polymer parts Metal parts	Usage ban	10	10	100	mg/kg	CEN ISO/TS 16189 (2013)	
		Leather	Usage ban	10	10	100	mg/kg	EN ISO 19070 (2016)	
n-Hexane	110-54-3	All	Limitation	10	50	50	mg/kg	GC-MS // Headspace	
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 technologies has the right to make an individual decision.
		Down/feather Polymer parts Metal parts	Usage ban	10	10	100	mg/kg	CEN ISO/TS 16189 (2013)	
		Leather	Usage ban	10	10	100	mg/kg	EN ISO 19070 (2016)	



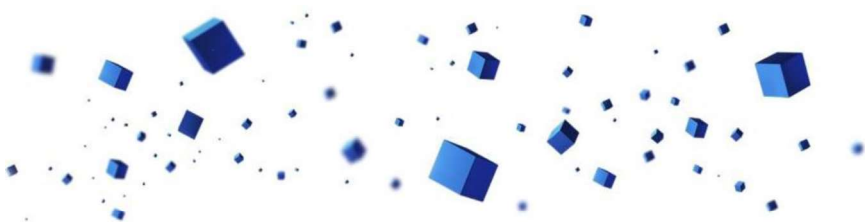
Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Solvents									
N,N-Dimethylacetamide (DMAC)	127-19-5	Textiles	Usage ban	5.0			mg/kg	EN 17131 (2019)	Exceptions defined: Articles produced by solvent coating, lamination or fiber manufacturing - A/B/C 50 mg/kg. As residual 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.
		Down/feather Polymer parts Metal parts	Usage ban	5.0			mg/kg	CEN ISO/TS 16189 (2013)	
		Leather	Usage ban	5.0			mg/kg	EN ISO 19070 (2016)	
N,N-Dimethylformamide (DMF)	68-12-2	Textiles	Usage ban	5.0			mg/kg	EN 17131 (2019)	Exceptions: Specific limits are defined for articles produced by solvent coating, lamination or fiber manufacturing - A/B/C 50 mg/kg. Exception is valid for PAN fibers.
		Down/feather Polymer parts Metal parts	Usage ban	5.0			mg/kg	CEN ISO/TS 16189 (2013)	
		Leather	Usage ban	5.0			mg/kg	EN ISO 19070 (2016)	
n-Pentane	109-66-0	All	Limitation	10	50	50	mg/kg	GC-MS // Headspace	
Tetrachloroethylene	127-18-4	All	Usage ban	1.0			mg/kg		Exception is valid for articles produced by dry cleaning process. Limit when used as solvent in dry cleaning: 10 mg/kg.



Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Solvents									
Tetrahydrofuran (THF)	109-99-9	All	Limitation	100			mg/kg	GC-MS // Headspace	
Toluene	108-88-3	All	Usage ban	10	50	50	mg/kg		Exception valid for solvent coating, laminating and painting/lacquering.
Trichloroethylene	79-01-6	All	Usage ban	5.0			mg/kg		
Trichloromethane	67-66-3	All	Usage ban	5.0			mg/kg		
1,2,3-Trichloropropane	96-18-4	All	Usage ban	5.0			mg/kg		
Trimethylbenzenes all isomers	25551-13-7	All	Limitation						For each isomer.
1,2,3-Trimethylbenzene	526-73-8	All	Limitation	50	100	100	mg/kg		
1,2,4-Trimethylbenzene	95-63-6	All	Limitation	50	100	100	mg/kg		
1,3,5-Trimethylbenzene	108-67-8	All	Limitation	50	100	100	mg/kg		
Xylene all isomers	1330-20-7	All	Usage ban	50	100	100	mg/kg		For sum of all isomers. Exception valid for solvent coating, laminating and painting/lacquering.
m-Xylene	108-38-3								
o-Xylene	95-47-6								
p-Xylene	106-42-3								



Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Tin-Organic Compounds									
Methyltin compounds	Several								
<i>Monomethyltin compounds (MMT)</i>	Several	All	Usage ban		2.0		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
<i>Dimethyltin compounds (DMT)</i>	Several	All	Usage ban		0.5		mg/kg		
<i>Trimethyltin compounds (TMT)</i>	Several	All	Usage ban		0.5		mg/kg		
Butyltin compounds	Several								
<i>Monobutyltin compounds (MBT)</i>	Several	All	Usage ban		1.0		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
<i>Dibutyltin compounds (DBT)</i>	Several	All	Usage ban		1.0		mg/kg		
<i>Tributyltin compounds (TBT)</i>	Several	All	Usage ban		0.5		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
<i>Tetrabutyltin compounds (TeBT)</i>	Several	All	Usage ban		0.5		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
Ethyltin compounds	Several								
<i>Tetraethyltin compounds (TeET)</i>	Several	All	Usage ban		1.0		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
Hexyltin compounds	Several								
<i>Tricyclohexyltin compounds (TCyHT)</i>	Several	All	Usage ban		0.5		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
Octyltin compounds	Several								
<i>Monooctyltin compounds (MOT)</i>	Several	All	Usage ban		2.0		mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
<i>Diocetyl tin compounds (DOT)</i>	Several	All	Usage ban		1.0		mg/kg		



Chemical Name	CAS Number	Sector of Use	Limit Type	A	B	C	Unit	Test Method	Comment
Tin-Organic Compounds									
Trioctyltin compounds (TOT)	Several	All	Usage ban	0.5			mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
Tetraoctyltin compounds (TeOT)	Several	All	Usage ban	0.5			mg/kg		
Phenyltin compounds	Several								
Monophenyltin compounds (MPhT)	Several	All	Usage ban	1.0			mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
Diphenyltin compounds (DPhT)	Several	All	Usage ban	2.0			mg/kg		
Triphenyltin compounds (TPhT)	Several	All	Usage ban	0.5			mg/kg		
Propyltin compounds	Several								
Dipropyltin compounds (DPT)	Several	All	Usage ban	1.0			mg/kg	CEN ISO/TS 16179 (2012) EN ISO 22744-1 (2020)	
Tripropyltin compounds (TPT)	Several	All	Usage ban	0.5			mg/kg		
UV Stabilizers									
UV-320	3846-71-7	All	Usage ban	1000			mg/kg	DIN EN 62321-6 (2016) // Extraction with Tetrahydrofuran	
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		

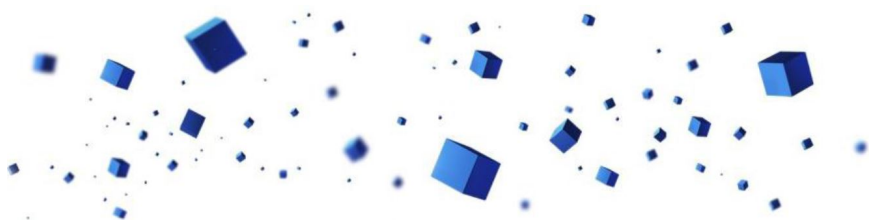


Annex I Compilation of Individual Substances

The tables from Annex I list individual substances that belong to the following substance groups:

- Alkylphenolethoxylates (APEOs)
- Alkylphenols (APs)
- Arylamines
- Chlorinated Benzenes and Toluenes
- Colorants
- Dioxins and Furans
- Fibers (Asbestos)
- Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes
- Metals
- Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)
- Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA
- Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA
- Pesticides
- Tin-Organic Compounds

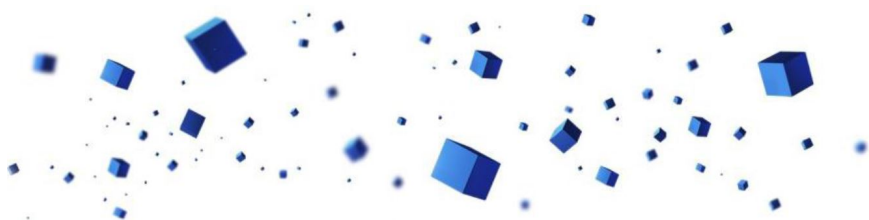
Limit values and test methods for the substance groups are provided in section 5.6.



Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
<i>Nonylphenol ethoxylates (NPEO)</i>	Several
<i>Isononylphenol, ethoxylated</i>	37205-87-1
Isononylphenol, ethoxylated ≥ 2.5 < 5 EO	37205-87-1
Isononylphenol, ethoxylated ≥ 5 < 8 EO	37205-87-1
Isononylphenol, ethoxylated ≥ 8 < 11 EO	37205-87-1
Isononylphenol, ethoxylated ≥ 11 < 15 EO	37205-87-1
Isononylphenol, ethoxylated ≥ 15 < 30 EO	37205-87-1
Isononylphenol, ethoxylated 30 EO	37205-87-1
Isononylphenol, ethoxylated > 30 EO	37205-87-1
<i>Nonylphenol, ethoxylated</i>	9016-45-9
Nonylphenol, ethoxylated 4 EO	9016-45-9
Nonylphenol, ethoxylated 6.5 EO	9016-45-9

Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
Nonylphenol, ethoxylated 8 EO	9016-45-9
Nonylphenol, ethoxylated 10 EO	9016-45-9
Nonylphenol, ethoxylated 15 EO	9016-45-9
Nonylphenol, ethoxylated 30 EO	9016-45-9
Nonylphenol, ethoxylated ≥ 2.5 < 5 EO	9016-45-9
Nonylphenol, ethoxylated ≥ 5 < 8 EO	9016-45-9
Nonylphenol, ethoxylated ≥ 8 < 11 EO	9016-45-9
Nonylphenol, ethoxylated ≥ 11 < 15 EO	9016-45-9
Nonylphenol, ethoxylated ≥ 15 < 30 EO	9016-45-9
Nonylphenol, ethoxylated > 30 EO	9016-45-9
26-(Nonylphenoxy)- 3,6,9,12,15,18,21,24- octaoxahexacosan-1-ol	26571-11-9
<i>Nonylphenol, branched, ethoxylated</i>	68412-54-4

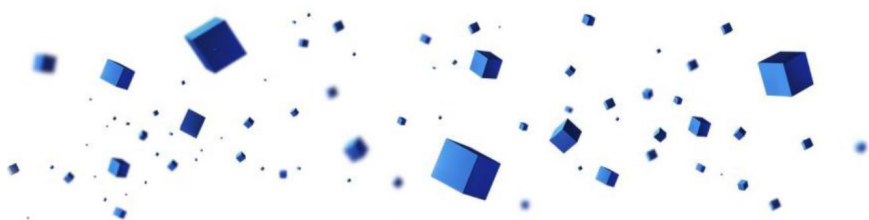
Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
Nonylphenol, branched, ethoxylated 1 < 2.5 EO	68412-54-4
Nonylphenol, branched, ethoxylated ≥ 2.5 < 5 EO	68412-54-4
Nonylphenol, branched, ethoxylated ≥ 5 < 8 EO	68412-54-4
Nonylphenol, branched, ethoxylated ≥ 8 < 11 EO	68412-54-4
Nonylphenol, branched, ethoxylated ≥ 11 < 15 EO	68412-54-4
Nonylphenol, branched, ethoxylated ≥ 15 < 30 EO	68412-54-4
Nonylphenol, branched, ethoxylated 30 EO	68412-54-4
Nonylphenol, branched, ethoxylated > 30 EO	68412-54-4
<i>Nonylphenol, branched, ethoxylated, phosphated</i>	68412-53-3
Polyoxy-1,2-ethanediyl, α-nonylphenyl- ω-hydroxy-, branched, phosphates, ≥ 6 ≤ 12 EO	68412-53-3
Polyoxy-1,2-ethanediyl, α-nonylphenyl- ω-hydroxy-, branched, phosphates, > 12 EO	68412-53-3
<i>4-Nonylphenol, ethoxylated</i>	26027-38-3



Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
4-Nonylphenol, ethoxylated 1 < 2.5 EO	26027-38-3
4-Nonylphenol, ethoxylated ≥ 2.5 < 5 EO	26027-38-3
4-Nonylphenol, ethoxylated ≥ 5 < 8 EO	26027-38-3
4-Nonylphenol, ethoxylated ≥ 8 < 11 EO	26027-38-3
4-Nonylphenol, ethoxylated ≥ 11 < 15 EO	26027-38-3
4-Nonylphenol, ethoxylated ≥ 15 < 30 EO	26027-38-3
4-Nonylphenol, ethoxylated 30 EO	26027-38-3
4-Nonylphenol, ethoxylated > 30 EO	26027-38-3
26-(4-Nonylphenoxy)- 3,6,9,12,15,18,21,24- Octaoxahexacosan-1-ol	14409-72-4
<i>4-Nonylphenol, branched, ethoxylated</i>	127087-87-0
4-Nonylphenol, branched, ethoxylated 1 < 2.5 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated ≥ 2.5 < 5 EO	127087-87-0

Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
4-Nonylphenol, branched, ethoxylated ≥ 5 < 8 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated ≥ 8 < 11 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated ≥ 11 < 15 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated ≥ 15 < 30 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated 30 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated > 30 EO	127087-87-0
2-{2-[4-(3,6-Dimethylheptan-3-yl) phenoxy]ethoxy} ethanol	1119449-38-5
<i>4-Nonylphenol, branched and linear, ethoxylated</i>	1442463-06-0
4-Nonylphenol, branched and linear, ethoxylated ≥ 2.5 < 5 EO	1442463-06-0
4-Nonylphenol, branched and linear, ethoxylated ≥ 5 < 8 EO	1442463-06-0
4-Nonylphenol, branched and linear, ethoxylated ≥ 8 < 11 EO	1442463-06-0
4-Nonylphenol, branched and linear, ethoxylated ≥ 11 < 15 EO	1442463-06-0

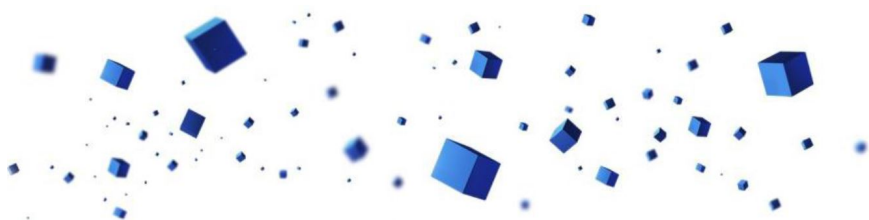
Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
4-Nonylphenol, branched and linear, ethoxylated ≥ 15 < 30 EO	1442463-06-0
4-Nonylphenol, branched and linear, ethoxylated 30 EO	1442463-06-0
4-Nonylphenol, branched and linear, ethoxylated > 30 EO	1442463-06-0
2-[2-[2-[2-(4-Nonylphenoxy) ethoxy] ethoxy] ethoxy] ethanol	7311-27-5
20-(4-Nonylphenoxy)-3,6,9,12,15,18- hexaoxacosan-1-ol	27942-27-4
2-[2-(4-Nonylphenoxy) ethoxy] ethanol	20427-84-3
2-[4-(3,6-Dimethylheptan-3-yl) phenoxy] ethanol	1119449-37-4
Octylphenol ethoxylates (OPEO)	Several
<i>Octylphenol branched, ethoxylated</i>	68987-90-6
Octylphenol branched, ethoxylated 9.5 EO	68987-90-6
<i>tert-Octylphenol, ethoxylated</i>	9036-19-5
tert-Octylphenol, ethoxylated ≥ 2.5 < 5 EO	9036-19-5



Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
tert-Octylphenol, ethoxylated ≥ 5 < 8 EO	9036-19-5
tert-Octylphenol, ethoxylated ≥ 8 < 11 EO	9036-19-5
tert-Octylphenol, ethoxylated ≥ 11 < 15 EO	9036-19-5
tert-Octylphenol, ethoxylated ≥ 15 < 30 EO	9036-19-5
tert-Octylphenol, ethoxylated 30 EO	9036-19-5
tert-Octylphenol, ethoxylated > 30 EO	9036-19-5
<i>4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated - cov. well-defined subs. and UVCB subs., polym. and homol.</i>	Several
20-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]- 3,6,9,12,15,18-hexaoxaicosan-1-ol	2497-59-8
4-tert-Octylphenol monoethoxylate	2315-67-5
4-tert-Octylphenol diethoxylate	2315-61-9
<i>4-tert-Octylphenol, ethoxylated</i>	9002-93-1
4-tert-Octylphenol, ethoxylated ≥ 2.5 < 5 EO	9002-93-1

Chemical Name	CAS Number
Alkylphenoethoxylates (APEOs)	
4-tert-Octylphenol, ethoxylated ≥ 5 < 8 EO	9002-93-1
4-tert-Octylphenol, ethoxylated ≥ 8 < 11 EO	9002-93-1
4-tert-Octylphenol, ethoxylated ≥ 11 < 15 EO	9002-93-1
4-tert-Octylphenol, ethoxylated ≥ 15 < 30 EO	9002-93-1
4-tert-Octylphenol, ethoxylated 30 EO	9002-93-1
4-tert-Octylphenol, ethoxylated > 30 EO	9002-93-1

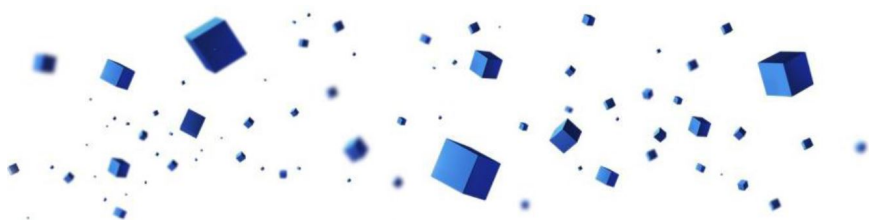
Chemical Name	CAS Number
Alkylphenols (APs)	
<i>4-Heptylphenol branched and linear</i>	Several
4-Heptylphenol	1987-50-4
<i>Phenol, heptyl derivatives</i>	72624-02-3
<i>Nonylphenol (NP) mixed isomers</i>	Several
Phenol, nonyl- branched	90481-04-2
Nonylphenol mixed isomers	25154-52-3
Isononylphenol	11066-49-2
<i>4-Nonylphenol branched and linear</i>	Several
p-Nonylphenol	104-40-5
4-(1-Ethyl-1-methylhexyl)phenol	52427-13-1
4-(3,5-Dimethyl-3-heptyl)phenol	186825-36-5
4-(3,6-Dimethyl-3-heptyl)phenol	142731-63-3



Chemical Name	CAS Number
Alkylphenols (APs)	
Phenol, 4-nonyl-branched	84852-15-3
p-(1,1-Dimethylheptyl)phenol	30784-30-6
p-(1-Methyloctyl)phenol	17404-66-9
p-Isononylphenol	26543-97-5
4-(2,6-Dimethyl-2-heptyl)phenol	521947-27-3
4-(3-Ethylheptan-2-yl)phenol	186825-39-8
Phenol, 4-tert-nonyl-	58865-77-3
Phenol, 4-(1,1,3-trimethylhexyl)-	174305-83-0
Phenol, 4-(1,3-dimethyl-1-propylbutyl)-	142731-65-5
Phenol, 4-(1,2,5-trimethylhexyl)-	142731-55-3
Octylphenol (OP) mixed isomers	Several
Octylphenol	27193-28-8

Chemical Name	CAS Number
Alkylphenols (APs)	
4-Octylphenol	1806-26-4
4-tert-Octylphenol	140-66-9
Dodecylphenol mixed isomers	27193-86-8
Phenol, dodecyl-branched	121158-58-5
Phenol, 4-dodecyl-branched	210555-94-5
Phenol, 4-isododecyl	27459-10-5 27147-75-7
Phenol, tetrapropylene	57427-55-1
Phenol, (tetrapropenyl) derivatives	74499-35-7
Phenol, 4-dodecyl-	104-43-8
Tris(4-nonylphenyl, branched and linear) phosphite	Several
Tris(4-nonylphenyl, branched) phosphite	
Tris(nonylphenyl) phosphite	26523-78-4

Chemical Name	CAS Number
Alkylphenols (APs)	
Phenol, 4-nonyl-, phosphite (3:1)	3050-88-2



Chemical Name	CAS Number
Arylamines	
<i>p</i> -Aminoazobenzene and its salts	Several
p-Aminoazobenzene	60-09-3
<i>o</i> -Aminoazotoluene and its salts	Several
o-Aminoazotoluene	97-56-3
4-Aminobiphenyl and its salts	Several
4-Aminobiphenyl	92-67-1
6-Amino-2-ethoxynaphthalene and its salts	Several
6-Amino-2-ethoxynaphthalene	293733-21-8
4-Amino-3-fluorophenol and its salts	Several
4-Amino-3-fluorophenol	399-95-1
Benzidines and its salts	Several
Benzidine and its salts	Several

Chemical Name	CAS Number
Arylamines	
Benzidine	92-87-5
Benzidine dihydrochloride	531-85-1
Benzidine sulfate (1:1)	531-86-2
Benzidine sulfate	21136-70-9
Benzidine acetate	36341-27-2
3,3'-Dimethylbenzidine and its salts	Several
3,3'-Dimethylbenzidine	119-93-7
3,3'-Dichlorobenzidine and its salts - with the exception of those specified elsewhere	Several
3,3'-Dichlorobenzidine	91-94-1
<i>o</i> -Dianisidines and its salts - with the exception of those specified elsewhere	Several
3,3'-Dimethoxybenzidine	119-90-4
4-Chloroaniline and its salts	Several

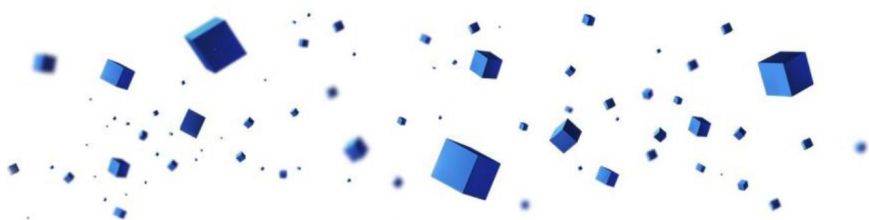
Chemical Name	CAS Number
Arylamines	
4-Chloroaniline	106-47-8
2,4-Diaminoanisole and its salts	Several
2,4-Diaminoanisole	615-05-4
2,4-Diaminoanisole sulphate	39156-41-7
4,4'-Diaminodiphenylmethane and its salts	Several
4,4'-Diaminodiphenylmethane	101-77-9
2,4-Diaminotoluene and its salts	Several
2,4-Diaminotoluene	95-80-7
4,4'-Methylenebis-(2-chloraniline) and its salts	Several
4,4'-Methylenebis-(2-chloraniline)	101-14-4
2-Naphthylamine and its salts	Several
2-Naphthylamine	91-59-8



Chemical Name	CAS Number
Arylamines	
2-Naphthylammonium acetate	553-00-4
Dianilines and its salts	Several
<i>4,4'-Thiodianiline and its salts</i>	Several
4,4'-Thiodianiline	139-65-1
<i>4,4'-Oxydianiline and its salts - with the exception of those specified elsewhere</i>	Several
4,4'-Oxydianiline	101-80-4
Toluidines and its salts	Several
<i>p-Cresidine and its salts</i>	Several
p-Cresidine	120-71-8
<i>m-Toluidine and its salts</i>	Several
m-Toluidine	108-44-1
m-Toluidine hydrochloride	638-03-9

Chemical Name	CAS Number
Arylamines	
<i>o-Toluidine and its salts</i>	Several
o-Toluidine	95-53-4
<i>p-Toluidine and its salts</i>	Several
p-Toluidine	106-49-0
<i>4,4'-Methylenedi-o-toluidine and its salts</i>	Several
4,4'-Methylenedi-o-toluidine	838-88-0
Nitrotoluidines and its salts	Several
<i>2-Amino-4-nitrotoluene and its salts</i>	Several
2-Amino-4-nitrotoluene	99-55-8
Chlorotoluidines and its salts	Several
<i>4-Chloro-2-toluidine and its salts</i>	Several
4-Chloro-2-toluidine	95-69-2

Chemical Name	CAS Number
Arylamines	
4-Chloro-2-toluidine hydrochloride	3165-93-3
Xylidines and its salts	Several
<i>2,4-Xylidine and its salts</i>	Several
2,4-Xylidine	95-68-1
<i>2,6-Xylidine and its salts</i>	Several
2,6-Xylidine	87-62-7
Trimethylanilines and its salts	Several
<i>2,4,5-Trimethylaniline and its salts</i>	Several
2,4,5-Trimethylaniline	137-17-7
2,4,5-Trimethylaniline hydrochloride	21436-97-5



Chemical Name	CAS Number
Chlorinated Benzenes and Toluenes	
Chlorinated benzenes	Several
<i>Dichlorobenzenes all isomers</i>	Several
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
<i>Trichlorobenzenes all isomers</i>	Several
1,2,3-Trichlorobenzene	87-61-6
1,2,4-Trichlorobenzene	120-82-1
1,3,5-Trichlorobenzene	108-70-3
<i>Tetrachlorobenzenes all isomers</i>	Several
1,2,3,4-Tetrachlorobenzene	634-66-2
1,2,3,5-Tetrachlorobenzene	634-90-2

Chemical Name	CAS Number
Chlorinated Benzenes and Toluenes	
1,2,4,5-Tetrachlorobenzene	95-94-3
Chlorinated toluenes	Several
<i>Monochlorotoluenes all isomers</i>	Several
2-Chlorotoluene	95-49-8
3-Chlorotoluene	108-41-8
4-Chlorotoluene	106-43-4
<i>Dichlorotoluenes all isomers</i>	Several
2,3-Dichlorotoluene	32768-54-0
2,4-Dichlorotoluene	95-73-8
2,5-Dichlorotoluene	19398-61-9
2,6-Dichlorotoluene	118-69-4
3,4-Dichlorotoluene	95-75-0

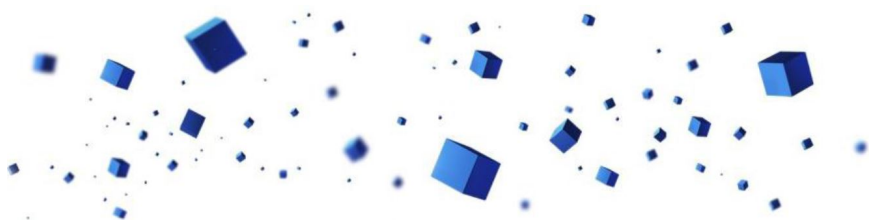
Chemical Name	CAS Number
Chlorinated Benzenes and Toluenes	
3,5-Dichlorotoluene	25186-47-4
<i>Trichlorotoluenes all isomers</i>	Several
2,3,4-Trichlorotoluene	7359-72-0
2,3,6-Trichlorotoluene	2077-46-5
2,4,5-Trichlorotoluene	6639-30-1
2,4,6-Trichlorotoluene	23749-65-7
3,4,5-Trichlorotoluene	21472-86-6
a,a,a-Trichlorotoluene	98-07-7
<i>Tetrachlorotoluenes all isomers</i>	Several
2,3,4,5-Tetrachlorotoluene	1006-32-2
2,3,5,6-Tetrachlorotoluene	1006-31-1
2,3,4,6-Tetrachlorotoluene	875-40-1



Chemical Name	CAS Number
Chlorinated Benzenes and Toluenes	
a,a,a,4-Tetrachlorotoluene	5216-25-1
a,a,a,2-Tetrachlorotoluene	2136-89-2

Chemical Name	CAS Number
Colorants	
<i>Colorants which can cleave in carcinogenic amines</i>	Several
Acid Black 29	12217-14-0
Acid Black 94	6358-80-1
Acid Black 131	12219-01-1
Acid Black 132	12219-02-2
Acid Black 209	72827-68-0
Acid Black 232	
Acid Brown 415	97199-27-4
Acid Orange 45	2429-80-3
Acid Red 4	5858-39-9
Acid Red 5	5858-63-9
Acid Red 24	5858-30-0

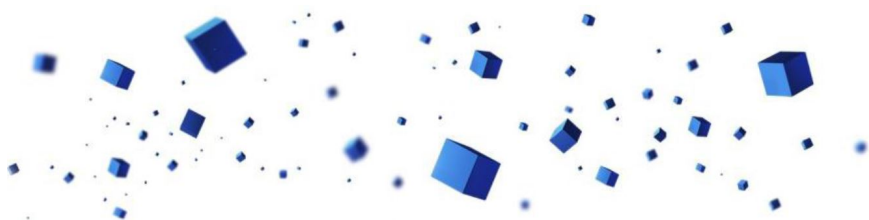
Chemical Name	CAS Number
Colorants	
Acid Red 35	6441-93-6
Acid Red 73	5413-75-2
Acid Red 85	3567-65-5
Acid Red 104	8006-06-2
Acid Red 114	6459-94-5
Acid Red 115	6226-80-8
Acid Red 116	6245-62-1
Acid Red 119:1	90880-75-4
Acid Red 128	6548-30-7
Acid Red 148	6300-53-4
Acid Red 150	6226-78-4
Acid Red 158	8004-55-5



Chemical Name	CAS Number
Colorants	
Acid Red 167	61901-41-5
Acid Red 264	6505-96-0
Acid Red 265	6358-43-6
Acid Red 420	
Acid Violet 12	6625-46-3
Basic Brown 4	8005-78-5
Basic Red 42	12221-66-8
Basic Red 76	68391-30-0
Basic Red 111	113741-92-7
Basic Red 114	
Basic Yellow 82	71872-38-3
Basic Yellow 103	

Chemical Name	CAS Number
Colorants	
Direct Black 4	25156-49-4
Direct Black 29	25180-14-7
Direct Black 154	54804-85-2
Direct Blue 1	2610-05-1
Direct Blue 2	2429-73-4
Direct Blue 3	2429-72-3
Direct Blue 8	2429-71-2
Direct Blue 9	6428-98-4
Direct Blue 10	4198-19-0
Direct Blue 14	72-57-1
Direct Blue 15	2429-74-5
Direct Blue 21	6420-09-3

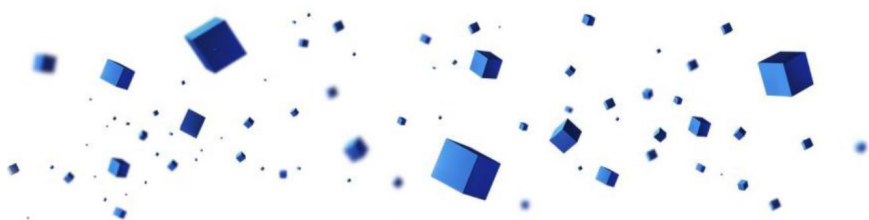
Chemical Name	CAS Number
Colorants	
Direct Blue 22	2586-57-4
Direct Blue 25	25180-27-2
Direct Blue 35	6473-33-2
Direct Blue 53	314-13-6
Direct Blue 151	110735-25-6
Direct Blue 160	12222-02-5
Direct Blue 173	12235-72-2
Direct Blue 192	159202-76-3
Direct Blue 215	6771-80-8
Direct Blue 295	6420-22-0
Direct Blue 306	
Direct Brown 1	3811-71-0



Chemical Name	CAS Number
Colorants	
Direct Brown 1:2	2586-58-5
Direct Brown 2	25255-06-5
Direct Brown 6	25180-39-6
Direct Brown 25	33363-87-0
Direct Brown 27	6360-29-8
Direct Brown 31	25180-41-0
Direct Brown 33	1324-87-4
Direct Brown 51	4623-91-0
Direct Brown 59	6247-51-4
Direct Brown 74	8014-91-3
Direct Brown 79	6483-77-8
Direct Brown 101	3626-29-7

Chemical Name	CAS Number
Colorants	
Direct Brown 154	6360-54-9
Direct Brown 222	64743-15-3
Direct Brown 223	76930-14-8
Direct Green 1	3626-28-6
Direct Green 6	4335-09-5
Direct Green 8	25180-47-6
Direct Green 8:1	76012-70-9
Direct Green 85	72390-60-4
Direct Orange 1	54579-28-1
Direct Orange 6	6637-88-3
Direct Orange 7	2868-76-0
Direct Orange 8	64083-59-6

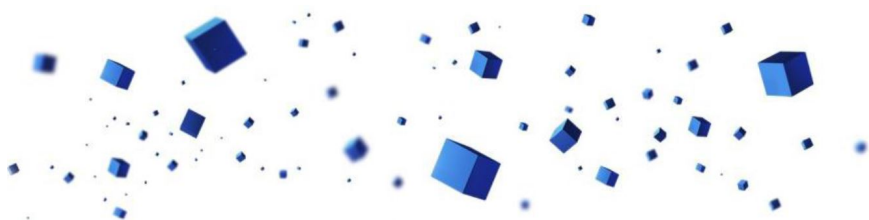
Chemical Name	CAS Number
Colorants	
Direct Orange 10	6405-94-3
Direct Orange 108	6358-79-8
Direct Red 1	25188-24-3
Direct Red 2	992-59-6
Direct Red 7	25188-28-7
Direct Red 10	25188-29-8
Direct Red 13	25188-30-1
Direct Red 17	25188-32-3
Direct Red 21	6406-01-5
Direct Red 22	6448-80-2
Direct Red 24	6420-44-6
Direct Red 26	3687-80-7



Chemical Name	CAS Number
Colorants	
Direct Red 37	3530-19-6
Direct Red 39	6358-29-8
Direct Red 44	2302-97-8
Direct Red 46	6548-29-4
Direct Red 62	6420-43-5
Direct Red 67	6598-56-7
Direct Red 72	8005-64-9
Direct Violet 1	25188-44-7
Direct Violet 4	6472-95-3
Direct Violet 12	2429-75-6
Direct Violet 13	13478-92-7
Direct Violet 21	25188-48-1

Chemical Name	CAS Number
Colorants	
Direct Violet 22	25329-82-2
Direct Yellow 24	6486-29-9
Direct Yellow 48	6459-97-8
Disperse Orange 60	12270-44-9
Disperse Red 151	61968-47-6
Disperse Red 221	64426-35-3
Disperse Yellow 7	6300-37-4
Disperse Yellow 56	54077-16-6
Disperse Yellow 218	83929-90-2
Mordant Red 57	2429-84-7
Mordant Yellow 16	8003-87-0
Solvent Orange 7	3118-97-6

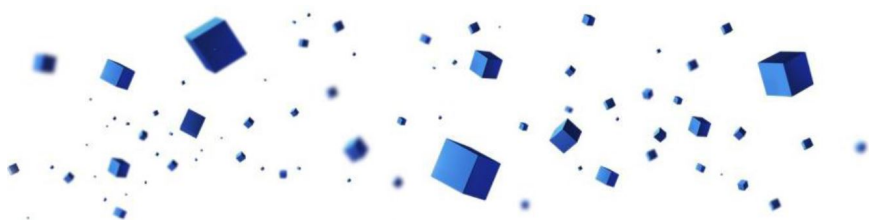
Chemical Name	CAS Number
Colorants	
Solvent Red 1	1229-55-6
Solvent Red 19	6368-72-5
Solvent Red 23	85-86-9
Solvent Red 24	85-83-6
Solvent Red 26	4477-79-6
Solvent Red 68	61813-90-9
Solvent Red 164	71819-51-7
Solvent Red 215	85203-90-3
Solvent Yellow 72	61813-98-7



Chemical Name	CAS Number
Dioxins and Furans	
<i>Dioxins and furans Group 1 and 2</i>	Several
<i>Dioxins and furans Group 1</i>	Several
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4
<i>Dioxins and furans Group 2</i>	Several
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9

Chemical Name	CAS Number
Dioxins and Furans	
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5
<i>Dioxins and furans Group 3</i>	Several
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0
<i>Dioxins and furans Group 4 and 5</i>	Several
<i>Dioxins and furans Group 4</i>	Several
2,3,7,8-Tetrabromodibenzo-p-dioxin	50585-41-6

Chemical Name	CAS Number
Dioxins and Furans	
1,2,3,7,8-Pentabromodibenzo-p-dioxin	109333-34-8
2,3,7,8-Tetrabromodibenzofuran	67733-57-7
2,3,4,7,8-Pentabromodibenzofuran	131166-92-2
<i>Dioxins and furans Group 5</i>	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



Chemical Name	CAS Number
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

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
Polychlorinated biphenyls	1336-36-3
2-Chlorobiphenyl	2051-60-7
3-Chlorobiphenyl	2051-61-8
4-Chlorobiphenyl	2051-62-9
2,2'-Dichlorobiphenyl	13029-08-8
2,3-Dichlorobiphenyl	16605-91-7
2,3'-Dichlorobiphenyl	25569-80-6
2,4-Dichlorobiphenyl	33284-50-3
2,4'-Dichlorobiphenyl	34883-43-7
2,5-Dichlorobiphenyl	34883-39-1
2,6-Dichlorobiphenyl	33146-45-1
3,3'-Dichlorobiphenyl	2050-67-1

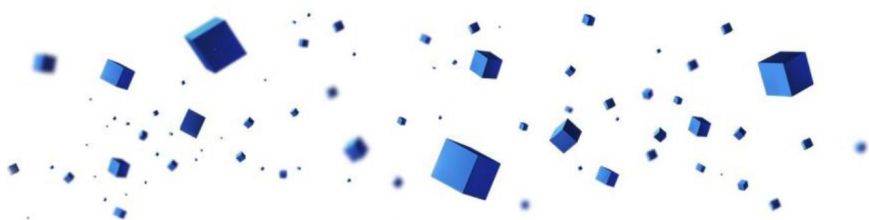
Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
3,4-Dichlorobiphenyl	2974-92-7
3,4'-Dichlorobiphenyl	2974-90-5
3,5-Dichlorobiphenyl	34883-41-5
4,4'-Dichlorobiphenyl	2050-68-2
2,2',3-Trichlorobiphenyl	38444-78-9
2,2',4-Trichlorobiphenyl	37680-66-3
2,2',5-Trichlorobiphenyl	37680-65-2
2,2',6-Trichlorobiphenyl	38444-73-4
2,3,3'-Trichlorobiphenyl	38444-84-7
2,3,4-Trichlorobiphenyl	55702-46-0
2,3,4'-Trichlorobiphenyl	38444-85-8
2,3,5-Trichlorobiphenyl	55720-44-0



Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3,6-Trichlorobiphenyl	55702-45-9
2,3',4-Trichlorobiphenyl	55712-37-3
2,3',5-Trichlorobiphenyl	38444-81-4
2,3',6-Trichlorobiphenyl	38444-76-7
2,4,4'-Trichlorobiphenyl	7012-37-5
2,4,5-Trichlorobiphenyl	15862-07-4
2,4,6-Trichlorobiphenyl	35693-92-6
2,4',5-Trichlorobiphenyl	16606-02-3
2,4',6-Trichlorobiphenyl	38444-77-8
2,3',4'-Trichlorobiphenyl	38444-86-9
2,3',5'-Trichlorobiphenyl	37680-68-5
3,3',4-Trichlorobiphenyl	37680-69-6

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
3,3',5-Trichlorobiphenyl	38444-87-0
3,4,4'-Trichlorobiphenyl	38444-90-5
3,4,5-Trichlorobiphenyl	53555-66-1
3,4',5-Trichlorobiphenyl	38444-88-1
2,2',3,3'-Tetrachlorobiphenyl	38444-93-8
2,2',3,4-Tetrachlorobiphenyl	52663-59-9
2,2',3,4'-Tetrachlorobiphenyl	36559-22-5
2,2',3,5-Tetrachlorobiphenyl	70362-46-8
2,2',3,5'-Tetrachlorobiphenyl	41464-39-5
2,2',3,6-Tetrachlorobiphenyl	70362-45-7
2,2',3,6'-Tetrachlorobiphenyl	41464-47-5
2,2',4,4'-Tetrachlorobiphenyl	2437-79-8

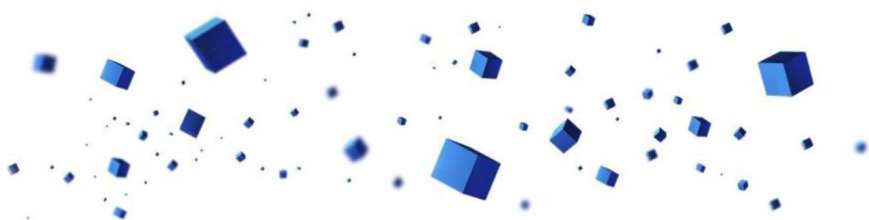
Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',4,5-Tetrachlorobiphenyl	70362-47-9
2,2',4,5'-Tetrachlorobiphenyl	41464-40-8
2,2',4,6-Tetrachlorobiphenyl	62796-65-0
2,2',4,6'-Tetrachlorobiphenyl	68194-04-7
2,2',5,5'-Tetrachlorobiphenyl	35693-99-3
2,2',5,6'-Tetrachlorobiphenyl	41464-41-9
2,2',6,6'-Tetrachlorobiphenyl	15968-05-5
2,3,3',4-Tetrachlorobiphenyl	74338-24-2
2,3,3',4'-Tetrachlorobiphenyl	41464-43-1
2,3,3',5-Tetrachlorobiphenyl	70424-67-8
2,3,3',5'-Tetrachlorobiphenyl	41464-49-7
2,3,3',6-Tetrachlorobiphenyl	74472-33-6



Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3,4,4'-Tetrachlorobiphenyl	33025-41-1
2,3,4,5-Tetrachlorobiphenyl	33284-53-6
2,3,4,6-Tetrachlorobiphenyl	54230-22-7
2,3,4',5-Tetrachlorobiphenyl	74472-34-7
2,3,4',6-Tetrachlorobiphenyl	52663-58-8
2,3,5,6-Tetrachlorobiphenyl	33284-54-7
2,3',4,4'-Tetrachlorobiphenyl	32598-10-0
2,3',4,5-Tetrachlorobiphenyl	73575-53-8
2,3',4,5'-Tetrachlorobiphenyl	73575-52-7
2,3',4,6-Tetrachlorobiphenyl	60233-24-1
2,3',4',5-Tetrachlorobiphenyl	32598-11-1
2,3',4',6-Tetrachlorobiphenyl	41464-46-4

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3',5,5'-Tetrachlorobiphenyl	41464-42-0
2,3',5',6-Tetrachlorobiphenyl	74338-23-1
2,4,4',5-Tetrachlorobiphenyl	32690-93-0
2,4,4',6-Tetrachlorobiphenyl	32598-12-2
2,3',4',5'-Tetrachlorobiphenyl	70362-48-0
3,3',4,4'-Tetrachlorobiphenyl	32598-13-3
3,3',4,5-Tetrachlorobiphenyl	70362-49-1
3,3',4,5'-Tetrachlorobiphenyl	41464-48-6
3,3',5,5'-Tetrachlorobiphenyl	33284-52-5
3,4,4',5-Tetrachlorobiphenyl	70362-50-4
2,2',3,3',4-Pentachlorobiphenyl	52663-62-4
2,2',3,3',5-Pentachlorobiphenyl	60145-20-2

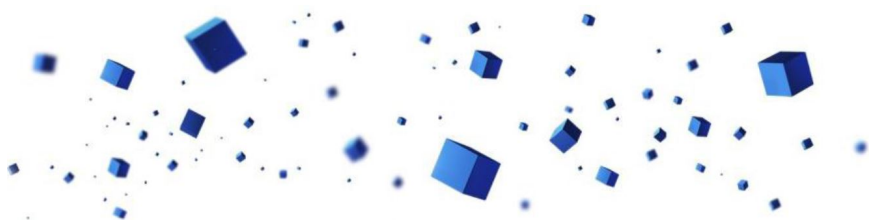
Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',3,3',6-Pentachlorobiphenyl	52663-60-2
2,2',3,4,4'-Pentachlorobiphenyl	65510-45-4
2,2',3,4,5-Pentachlorobiphenyl	55312-69-1
2,2',3,4,5'-Pentachlorobiphenyl	38380-02-8
2,2',3,4,6-Pentachlorobiphenyl	55215-17-3
2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2
2,2',3,4',5-Pentachlorobiphenyl	68194-07-0
2,2',3,4',6-Pentachlorobiphenyl	68194-05-8
2,2',3,5,5'-Pentachlorobiphenyl	52663-61-3
2,2',3,5,6-Pentachlorobiphenyl	73575-56-1
2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0
2,2',3,5',6-Pentachlorobiphenyl	38379-99-6



Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9
2,2',3,4',5'-Pentachlorobiphenyl	41464-51-1
2,2',3,4',6'-Pentachlorobiphenyl	60233-25-2
2,2',4,4',5-Pentachlorobiphenyl	38380-01-7
2,2',4,4',6-Pentachlorobiphenyl	39485-83-1
2,2',4,5,5'-Pentachlorobiphenyl	37680-73-2
2,2',4,5,6'-Pentachlorobiphenyl	68194-06-9
2,2',4,5',6-Pentachlorobiphenyl	60145-21-3
2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8
2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4
2,3,3',4,5-Pentachlorobiphenyl	70424-69-0
2,3,3',4',5-Pentachlorobiphenyl	70424-68-9

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3,3',4,5'-Pentachlorobiphenyl	70362-41-3
2,3,3',4,6-Pentachlorobiphenyl	74472-35-8
2,3,3',4',6-Pentachlorobiphenyl	38380-03-9
2,3,3',5,5'-Pentachlorobiphenyl	39635-32-0
2,3,3',5,6-Pentachlorobiphenyl	74472-36-9
2,3,3',5',6-Pentachlorobiphenyl	68194-10-5
2,3,4,4',5-Pentachlorobiphenyl	74472-37-0
2,3,4,4',6-Pentachlorobiphenyl	74472-38-1
2,3,4,5,6-Pentachlorobiphenyl	18259-05-7
2,3,4',5,6-Pentachlorobiphenyl	68194-11-6
2,3',4,4',5-Pentachlorobiphenyl	31508-00-6
2,3',4,4',6-Pentachlorobiphenyl	56558-17-9

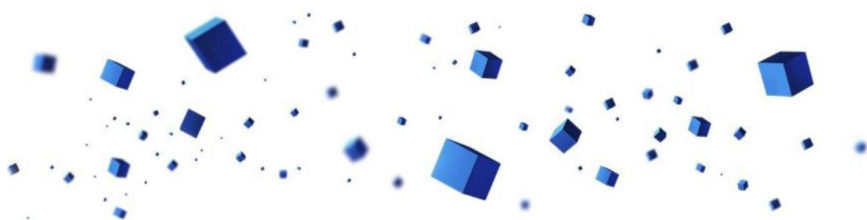
Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7
2,3',4,5',6-Pentachlorobiphenyl	56558-18-0
2,3,3',4',5'-Pentachlorobiphenyl	76842-07-4
2,3',4,4',5'-Pentachlorobiphenyl	65510-44-3
2,3',4',5,5'-Pentachlorobiphenyl	70424-70-3
2,3',4',5',6-Pentachlorobiphenyl	74472-39-2
3,3',4,4',5-Pentachlorobiphenyl	57465-28-8
3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1
2,2',3,3',4,4'-Hexachlorobiphenyl	38380-07-3
2,2',3,3',4,5-Hexachlorobiphenyl	55215-18-4
2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8
2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7



Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1
2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3
2,2',3,3',5,6-Hexachlorobiphenyl	52704-70-8
2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5
2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2
2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5
2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2
2,2',3,4,4',6-Hexachlorobiphenyl	56030-56-9
2,2',3,4,4',6'-Hexachlorobiphenyl	59291-64-4
2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6
2,2',3,4,5,6-Hexachlorobiphenyl	41411-61-4
2,2',3,4,5,6'-Hexachlorobiphenyl	68194-15-0

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9
2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5
2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8
2,2',3,4',5,6-Hexachlorobiphenyl	68194-13-8
2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6
2,2',3,4',5',6-Hexachlorobiphenyl	38380-04-0
2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1
2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5
2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2
2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1
2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4
2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2

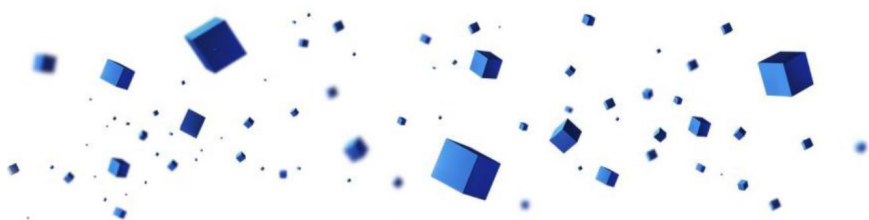
Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3,3',4,4',5-Hexachlorobiphenyl	38380-08-4
2,3,3',4,4',5'-Hexachlorobiphenyl	69782-90-7
2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7
2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3
2,3,3',4,5,6-Hexachlorobiphenyl	41411-62-5
2,3,3',4,5',6-Hexachlorobiphenyl	74472-43-8
2,3,3',4',5,5'-Hexachlorobiphenyl	39635-34-2
2,3,3',4',5,6-Hexachlorobiphenyl	74472-44-9
2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0
2,3,3',5,5',6-Hexachlorobiphenyl	74472-46-1
2,3,4,4',5,6-Hexachlorobiphenyl	41411-63-6
2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6



Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3',4,4',5',6-Hexachlorobiphenyl	59291-65-5
3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6
2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6
2,2',3,3',4,4',6-Heptachlorobiphenyl	52663-71-5
2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8
2,2',3,3',4,5,6-Heptachlorobiphenyl	68194-16-1
2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5
2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7
2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7
2,2',3,3',4,5',6'-Heptachlorobiphenyl	52663-70-4
2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9
2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3
2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2
2,2',3,4,4',5,6'-Heptachlorobiphenyl	60145-23-5
2,2',3,4,4',5',6-Heptachlorobiphenyl	52663-69-1
2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3
2,2',3,4,5,5',6-Heptachlorobiphenyl	52712-05-7
2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4
2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0
2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7
2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9
2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7
2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7

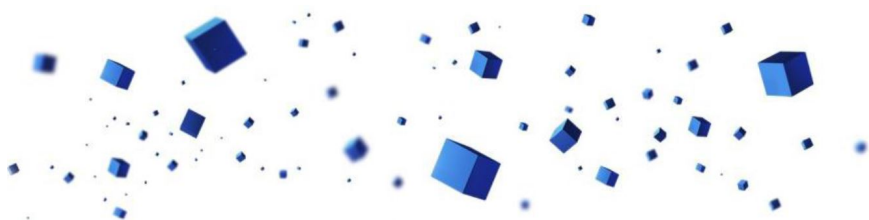
Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8
2,3,3',4',5,5',6-Heptachlorobiphenyl	69782-91-8
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7
2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7
2,2',3,3',4,5,5',6-Octachlorobiphenyl	68194-17-2
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	52663-75-9
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4
2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0



Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1
Nonachlorobiphenyl (mixed isomers)	53742-07-7
Decachlorobiphenyl	2051-24-3
Polychlorinated naphthalenes	
<i>Monochloro naphthalene</i>	25586-43-0
1-Chloronaphthalene	90-13-1
2-Chloronaphthalene	91-58-7
<i>Dichloro naphthalene</i>	28699-88-9

Chemical Name	CAS Number
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes	
Naphthalene, 1,3-dichloro-	2198-75-6
Naphthalene, 1,4-dichloro-	1825-31-6
Naphthalene, 1,5-dichloro-	1825-30-5
Naphthalene, 2,7-dichloro-	2198-77-8

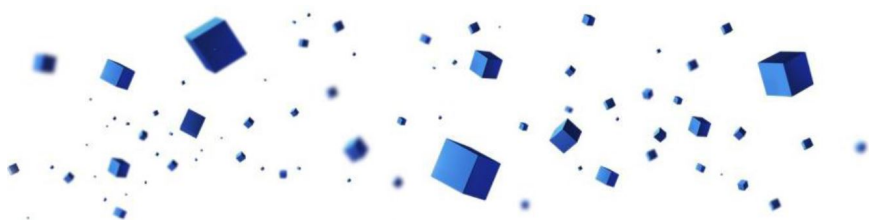
Chemical Name	CAS Number
Metals	
<i>Arsenic its salts and compounds</i>	Several
Arsenic acid	7778-39-4
Calcium arsenate	7778-44-1
Triethyl arsenate	15606-95-8
Diarsenic pentaoxide	1303-28-2
Diarsenic trioxide	1327-53-3
<i>Cadmium its salts and compounds</i>	Several
Cadmium fluoride	7790-79-6
Cadmium sulphate	10124-36-4 31119-53-6
Cadmium nitrate	10325-94-7
Cadmium hydroxide	21041-95-2
Cadmium carbonate	513-78-0



Chemical Name	CAS Number
Metals	
Cadmium chloride	10108-64-2
Cadmium sulphide	1306-23-6
Cadmium oxide	1306-19-0
Chromium VI its salts and compounds	Several
<i>Acids generated from chromium trioxide and their oligomers</i>	Several
Dichromic acid	13530-68-2
Chromic acid	7738-94-5
Oligomers of chromic acid and dichromic acid	
Ammonium dichromate	7789-09-5
Chromium trioxide	1333-82-0
Dichromium tris(chromate)	24613-89-6
Lead chromate	7758-97-6

Chemical Name	CAS Number
Metals	
Pentazinc chromate octahydroxide	49663-84-5
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9
Potassium chromate	7789-00-6
Potassium dichromate	7778-50-9
Sodium chromate	7775-11-3
<i>Sodium dichromate derivatives</i>	Several
Sodium dichromate dihydrate	7789-12-0
Sodium dichromate anhydrous	10588-01-9
Strontium chromate	7789-06-2
Cobalt its salts and compounds	Several
Cobalt(II) carbonate	513-79-1
Cobalt(II) diacetate	71-48-7

Chemical Name	CAS Number
Metals	
Cobalt(II) dinitrate	10141-05-6 10026-22-9
Cobalt(II) sulphate	10026-24-1 10124-43-3
Cobalt(II) dichloride	7646-79-9
Lead its salts and compounds	Several
Lead diacetate	301-04-2 6080-56-4
Trilead dioxide phosphonate	12141-20-7
Trilead bis(carbonate) dihydroxide	1319-46-6
Tetralead trioxide sulphate	12202-17-4
Sulfurous acid, lead salt, dibasic	62229-08-7
Silicic acid, lead salt	11120-22-2
Silicic acid, barium salt (1:1), lead- doped	68784-75-8
Pyrochlore, antimony lead yellow	8012-00-8



Chemical Name	CAS Number
Metals	
Pentalead tetraoxide sulphate	12065-90-6
Orange lead	1314-41-6
Lead titanium zirconium oxide	12626-81-2
Lead titanium trioxide	12060-00-3
Lead oxide sulfate	12036-76-9
Lead monoxide	1317-36-8
Lead dinitrate	10099-74-8
Lead cyanamidate	20837-86-9
Fatty acids, C16-18, lead salts	91031-62-8
Dioxobis(stearato)trilead	12578-12-0
Acetic acid, lead salt, basic	51404-69-4
[Phthalato(2-)] dioxotrilead	69011-06-9

Chemical Name	CAS Number
Metals	
Lead(II) bis(methanesulfonate)	17570-76-2
Trilead diarsenate	3687-31-8
Lead styphnate	15245-44-0
Lead dipicrate	6477-64-1
Lead diazide	13424-46-9
Lead bis(tetrafluoroborate)	13814-96-5
Lead hydrogen arsenate	7784-40-9
Tetraethyllead	78-00-2

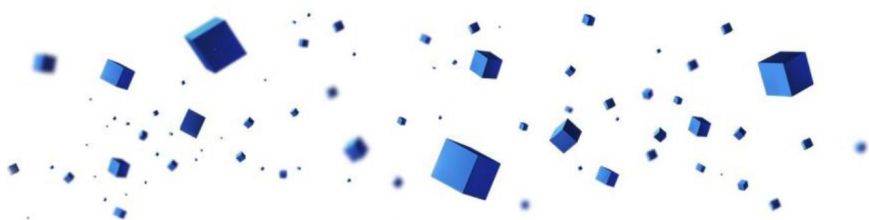
Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
<i>Ozone depleting substances (CFCs) class I</i>	Several
Trichlorofluoromethane (CFC-11)	75-69-4
Dichlorodifluoromethane (CFC-12)	75-71-8
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)	76-13-1
1,1,1-Trichloro-2,2,2-trifluoroethane (CFC-113a)	354-58-5
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114)	76-14-2
1,1-Dichloro-1,2,2,2-tetrafluoroethane (CFC-114a)	374-07-2
Monochloropentafluoroethane (CFC-115)	76-15-3
Bromochlorodifluoromethane (Halon-1211)	353-59-3
Bromotrifluoromethane (Halon-1301)	75-63-8
Dibromotetrafluoroethane (Halon-2402)	124-73-2
Chlorotrifluoromethane (CFC-13)	75-72-9



Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Pentachlorofluoroethane (CFC-111)	354-56-3
1,1,2,2-Tetrachloro-1,2-difluoroethane (CFC-112)	76-12-0
1,1,1,2-Tetrachlorodifluoroethane (CFC-112a)	76-11-9
Heptachlorofluoropropane (CFC-211)	422-78-6
Hexachlorodifluoropropane (CFC-212)	3182-26-1
Pentachlorotrifluoropropane (CFC-213)	2354-06-5
Tetrachlorotetrafluoropropane (CFC-214)	29255-31-0
1,1,1,3-Tetrachloro-2,2,3,3-tetrafluoropropane (CFC-214)	2268-46-4
1,1,3-Trichloropentafluoropropane	76-17-5
1,2,3-Trichloropentafluoropropane (CFC-215)	1652-81-9
1,1,1-Trichloropentafluoropropane	4259-43-2
1,2,2-Trichloropentafluoropropane	1599-41-3

Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Dichlorohexafluoropropane (CFC-216)	661-97-2
1,3-dichloro-1,1,2,2,3,3-hexafluoropropane (CFC-216ca)	662-01-1
Monochloroheptafluoropropane (CFC-217)	422-86-6
2-Chloro-1,1,1,2,3,3,3-heptafluoropropane (CFC-217ba)	76-18-6
Carbon tetrachloride (CTC)	56-23-5
Methyl bromide	74-83-9
Dibromofluoromethane (HBFC-21 B2)	1868-53-7
Bromodifluoromethane (HBFC-22 B1)	1511-62-2
Bromofluoromethane (HBFC-31 B1)	373-52-4
Tetrabromofluoroethane (HBFC-121 B4)	353-93-5
Tribromodifluoroethane (HBFC-122 B3)	353-97-9
1,2-Dibromo-1,1,2-trifluoroethane (HBFC-123 B2 / Halon 2302)	354-04-1

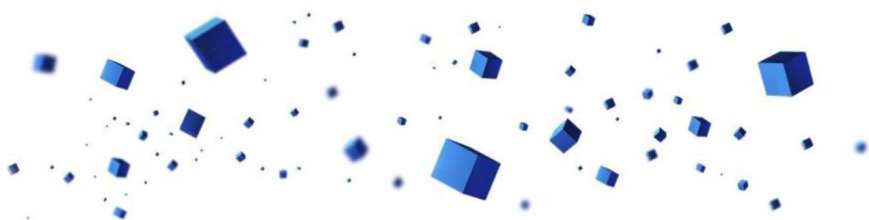
Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Bromotetrafluoroethane (HBFC-124 B1)	354-07-4
Tribromofluoroethane (HBFC-131 B3)	172912-75-3
1,2-Dibromo-1,1-difluoroethane (HBFC-132 B2)	75-82-1
Bromotrifluoroethane (HBFC-133 B1)	
1-Bromo-2,2,2-trifluoroethane (HBFC-133a B1)	421-06-7
1,2-Dibromofluoroethane (HBFC-141 B2)	358-97-4
2-Bromo-1-1-difluoroethane (HBFC-142 B1)	359-07-9
1-Bromo-2-fluoroethane (HBFC-151 B1)	762-49-2
Hexabromofluoropropane (HBFC-221 B6)	
Pentabromodifluoropropane (HBFC-222 B5)	
Tetrabromotrifluoropropane (HBFC-223 B4)	
Tribromotetrafluoropropane (HBFC-224 B3)	666-48-8



Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Dibromopentafluoropropane (HBFC-225 B2)	431-78-7
Bromohexafluoropropane (HBFC-226 B1)	2252-79-1
Pentabromofluoropropane (HBFC-231 B5)	
Tetrabromodifluoropropane (HBFC-232 B4)	148875-98-3
Tribromotrifluoropropane (HBFC-233 B3)	431-48-1
Dibromotetrafluoropropane (HBFC-234 B2)	460-86-6
Bromopentafluoropropane (HBFC-235 B1)	460-88-8
Tetrabromofluoropropane (HBFC-241 B4)	
Tribromodifluoropropane (HBFC-242 B3)	666-25-1
Dibromotrifluoropropane (HBFC-243 B2)	460-60-6
Bromotetrafluoropropane (HBFC-244 B1)	460-67-3
Tribromofluoropropane (HBFC-251 B1)	75372-14-4

Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Dibromodifluoropropane (HBFC-252 B2)	51584-25-9
3-Bromo-1,1,1-trifluoropropane (HBFC-253 B1)	460-32-2
1,2-Dibromo-3-fluoropropane (HBFC-261 B2)	453-00-9
Monobromodifluoropropane (HBFC-262 B1)	461-49-4
1-Bromo-2-fluoropropane (HBFC-271 B1)	1871-72-3
Chlorobromomethane (BCM / Halon-1011)	74-97-5
<i>Ozone depleting substances (CFCs) class II</i>	Several
Dibromodifluoromethane (Halon-1202)	75-61-6
1-Bromopropane (HBC 280 B1 / n-PB)	106-94-5
Bromoethane (HBC 160 B1 / EtBr)	74-96-4
Trifluoroiodomethane (FIC 013 I1 / TFIM)	2314-97-8
Methyl chloride (HCC 040 / MC)	74-87-3

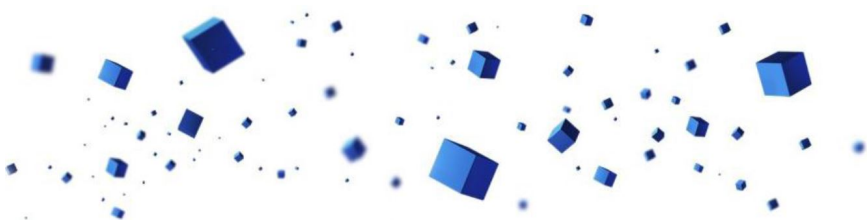
Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Dichlorofluoromethane (HCFC-21)	75-43-4
Monochlorodifluoromethane (HCFC-22)	75-45-6
Monochlorofluoromethane (HCFC-31)	593-70-4
1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)	354-14-3
1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)	354-11-0
Trichlorodifluoroethane (HCFC-122)	354-21-2
Dichlorotrifluoroethane (HCFC-123)	306-83-2
Monochlorotetrafluoroethane (HCFC-124)	2837-89-0
1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)	354-25-6
Trichlorofluoroethane (HCFC-131)	359-28-4
1,2-Dichloro-1,2-difluoroethane (HCFC-132)	431-06-1
1,2-Dichloro-1,1-difluoroethane (HCFC-132b)	1649-08-7



Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Monochlorotrifluoroethane (HCFC-133)	1330-45-6
2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7
1,2-Dichloro-1-fluoroethane (HCFC-141)	430-57-9
Dichlorofluoroethane (HCFC-141b)	1717-00-6
Chlorodifluoroethane (HCFC-142)	
Monochlorodifluoroethane (HCFC-142b)	75-68-3
Chlorofluoroethane (HCFC-151)	
1-Chloro-1-fluoroethane (HCFC-151a)	1615-75-4
Hexachlorofluoropropane (HCFC-221)	29470-94-8
Pentachlorodifluoropropane (HCFC-222)	134237-36-8
1,1,1,3,3-Pentachloro-2,2-difluoropropane (HCFC-222c)	422-49-1
Tetrachlorotrifluoropropane (HCFC-223)	29470-95-9

Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
1,1,3,3-Tetrachloro-1,2,2-trifluoropropane (HCFC-223ca)	422-52-6
Trichlorotetrafluoropropane (HCFC-224)	127564-91-4
1,3,3-Trichloro-1,1,2,2-tetrafluoropropane (HCFC-224ca)	422-54-8
Dichloropentafluoropropane (HCFC-225)	
Dichloropentafluoropropane (HCFC-225ca)	422-56-0
Dichloropentafluoropropane (HCFC-225cb)	507-55-1
Chloro-1,1,2,2,3,3-hexafluoropropane (HCFC-226cb)	422-55-9
Monochlorohexafluoropropane (HCFC-226)	28987-04-4
2-Chloro-1,1,1,3,3,3-hexafluoropropane (HCFC-226da)	431-87-8
Pentachlorofluoropropane (HCFC-231)	421-94-3
1,1,3,3-Tetrachloro-2,2-difluoropropane (HCFC-232ca)	1112-14-7
1,1,3-Trichloro-1,2,2-trifluoropropane (HCFC-233cb)	421-99-8

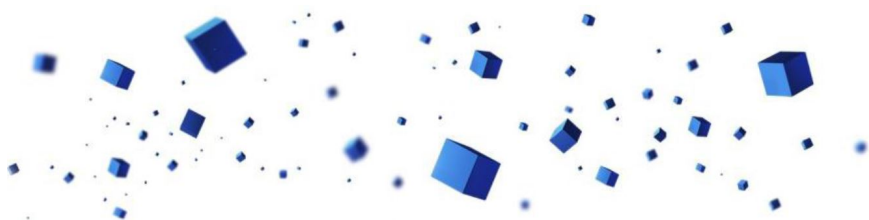
Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Tetrachlorodifluoropropane (HCFC-232)	460-89-9
Trichlorotrifluoropropane (HCFC-233)	7125-84-0
Dichlorotetrafluoropropane (HCFC-234)	127564-83-4
1-Chloro-1,2,2,3,3-pentafluoropropane (HCFC-235ca)	679-99-2
Monochloropentafluoropropane (HCFC-235)	460-92-4
Tetrachlorofluoropropane (HCFC-241)	134190-49-1
Trichlorodifluoropropane (HCFC-242)	127564-90-3
Dichlorotrifluoropropane (HCFC-243)	116890-51-8
Monochlorotetrafluoropropane (HCFC-244)	134190-50-4
Trichloromonofluoropropane (HCFC-251)	134190-51-5
Dichlorodifluoropropane (HCFC-252)	134190-52-6
Monochlorotrifluoropropane (HCFC-253)	134237-44-8 26588-23-8



Chemical Name	CAS Number
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)	460-35-5
Dichlorofluoropropane (HCFC-261)	420-97-3
1-Chloro-2,2-difluoropropane (HCFC-262ca)	420-99-5
2-Chloro-2-fluoropropane (HCFC-271b)	420-44-0
Monochlorodifluoropropane (HCFC-262)	421-02-3
Monochlorofluoropropane (HCFC-271)	430-55-7
1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)	354-23-4

Chemical Name	CAS Number
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA	
<i>Perfluorocarboxylic acids and its salts</i>	Several
<i>Perfluorobutanoic acid and its salts</i>	Several
Perfluorobutanoic acid	375-22-4
<i>Perfluorohexanoic acid and its salts</i>	Several
Perfluorohexanoic acid (PFHxA)	307-24-4
<i>Perfluoroheptanoic acid and its salts</i>	Several
Perfluoroheptanoic acid	375-85-9
<i>Perfluorooctanoic acid and its salts</i>	Several
Perfluorooctanoic acid (PFOA)	335-67-1
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
Potassium perfluorooctanoate	2395-00-8

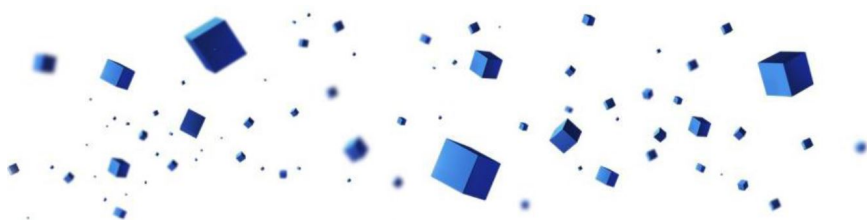
Chemical Name	CAS Number
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA	
<i>Perfluorononanoic acid and its salts</i>	Several
Perfluorononanoic acid	375-95-1
Sodium salts of perfluorononan-1-oic-acid	21049-39-8
Ammonium salts of perfluorononan-1-oic-acid	4149-60-4
<i>Perfluorodecanoic acid and its salts</i>	Several
Perfluorodecanoic acid	335-76-2
Ammonium nonadecafluoro-decanoate	3108-42-7
Decanoic acid, nonadecafluoro-, sodium salt	3830-45-3
<i>Perfluoroundecanoic acid and its salts</i>	Several
Perfluoroundecanoic acid	2058-94-8
<i>Perfluorododecanoic acid and its salts</i>	Several
Perfluorododecanoic acid	307-55-1



Chemical Name	CAS Number
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA	
<i>Perfluorotridecanoic acid and its salts</i>	Several
Perfluorotridecanoic acid	72629-94-8
<i>Perfluorotetradecanoic acid and its salts</i>	Several
Perfluorotetradecanoic acid	376-06-7
<i>Perfluorohexanoic acid related substances</i>	Several
<i>Perfluorohexylethyl alcohols</i>	Several
Perfluorohexyl-ethanol	647-42-7
<i>Perfluorohexylethyl halides</i>	Several
<i>Perfluorohexylethyl acrylates or methacrylates</i>	Several
<i>Perfluorohexylethyl polymers</i>	Several
<i>Perfluorohexylethyl olefins</i>	Several
Perfluorohexylethene	25291-17-2

Chemical Name	CAS Number
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA	
<i>Perfluorooctanoic acid related substances</i>	Several
Methyl perfluorooctanoate	376-27-2
Ethyl perfluorooctanoate	3108-24-5
<i>Perfluorooctylethyl alcohols</i>	Several
Perfluorooctylethanol	678-39-7
<i>Perfluorooctylethyl halides</i>	Several
<i>Perfluorooctylethyl polymers</i>	Several
<i>Perfluorooctylethyl acrylate or methacrylate</i>	Several
<i>Perfluoroalkyl compounds branched</i>	Several
<i>2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid its salts and its acyl halides</i>	Several
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	13252-13-6
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoro-propoxy) propionate	67118-55-2

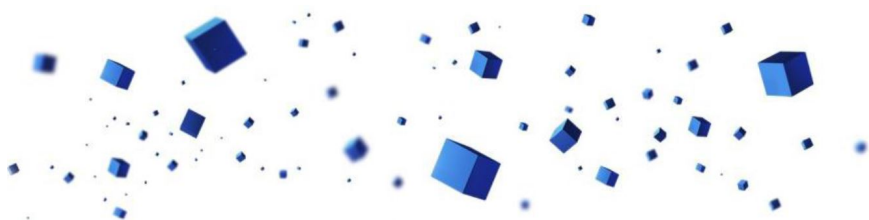
Chemical Name	CAS Number
Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA	
Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	62037-80-3
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionyl fluoride	2062-98-8



Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Perfluorohexane sulfonic acid and its derivatives	Several
<i>Perfluorohexane sulphonic acid and its salts</i>	Several
Perfluorohexane sulfonic acid	355-46-4
Perfluorohexane sulfonate	108427-53-8
Potassium perfluorohexane-1-sulphonate	3871-99-6
Ammonium perfluorohexane-1-sulphonate	68259-08-5
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt	70136-72-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compound with N,N-diethylethanamine (1:1)	72033-41-1
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt	82382-12-5

Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)	866621-50-3
Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	911027-69-5
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)	92011-17-1
1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid	108427-54-9
Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	108427-55-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compound with pyrrolidine (1:1)	1187817-57-7

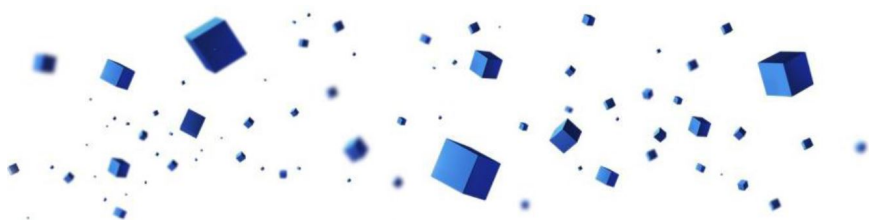
Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Beta-Cyclodextrin, compound with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)	1329995-45-0
Gamma-Cyclodextrin, compound with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)	1329995-69-8
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	189274-31-5
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compound with 2-methyl-2-propanamine (1:1)	202189-84-2
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	341035-71-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)	350836-93-0



Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	425670-70-8
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-74-0
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-73-9
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	41184-65-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	41242-12-0
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4

Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Dibenzo[k,n][1,4,7,10,13]tetraoxathia cyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-24-0
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-27-3

Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1310480-28-4
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1462414-59-0
Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	153443-35-7
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	213740-81-9



Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	341548-85-4
<i>Perfluorohexane sulfon halides</i>	Several
Perfluorohexanesulphonyl fluoride	423-50-7
<i>Perfluorooctane sulfonic acid and its derivatives</i>	Several
<i>Perfluorooctane sulphonic acid and its salts</i>	Several
Diethanolamine perfluorooctane sulfonate	70225-14-8
Ammonium perfluorooctane sulfonate	29081-56-9
Lithium perfluorooctane sulfonate	29457-72-5
Perfluorooctane sulfonic acid	1763-23-1
Perfluorooctane sulfonate	45298-90-6
Potassium heptadecafluoro-octane-1-sulphonate	2795-39-3

Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
Ethanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-1-octanesulfonate (1:1)	56773-42-3
1-Decanaminium, N-decyl-N,N-dimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-1-octanesulfonate (1:1)	251099-16-8
<i>Perfluorooctane sulfonamides</i>	Several
Perfluorooctane sulfonamide	754-91-6
Heptadecafluoro-N-methyloctane sulfonamide	31506-32-8
<i>Perfluorooctane sulfon amidoethanols</i>	Several
Heptadecafluoro-N-methyloctane sulfonamideoethanol	24448-09-7
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	4151-50-2
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-N-(2-hydroxyethyl)-	1691-99-2
<i>Perfluorooctane sulfon halides</i>	Several

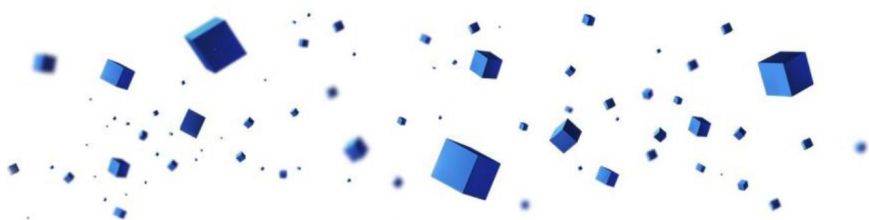
Chemical Name	CAS Number
Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA	
1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-	307-35-7



Chemical Name	CAS Number
Pesticides	
<i>Acetamiprid its salts, esters and compounds</i>	Several
Acetamiprid (ISO)	135410-20-7
Acetamiprid [2]	160430-64-8
Alachlor	15972-60-8
Aldicarb	116-06-3
Aldrin	309-00-2
Atrazine	1912-24-9
Azinphos-methyl	86-50-0
Azinphos-ethyl	2642-71-9
Binapacryl	485-31-4
Bromophos-ethyl	4824-78-6
Captafol	2425-06-1

Chemical Name	CAS Number
Pesticides	
Carbaryl	63-25-2
Carbendazim	10605-21-7
Chlordane	57-74-9
Chlordecone	143-50-0
Chlordimeform	6164-98-3
Chlorfenvinphos	470-90-6
Chlorobenzilate	510-15-6
Chlorpyrifos	2921-88-2
Chlorothalonil	1897-45-6
Clothianidin	210880-92-5
Coumaphos	56-72-4
Cyfluthrin	68359-37-5

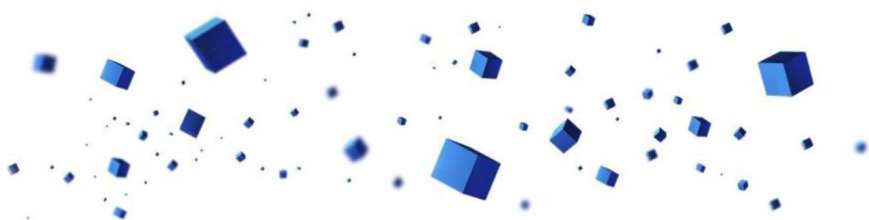
Chemical Name	CAS Number
Pesticides	
Cyhalothrin, lambda	91465-08-6
Cypermethrin	52315-07-8
Deltamethrin	52918-63-5
Demeton-S-methyl (ISO)	919-86-8
Diazinon	333-41-5
1,2-Dibromo-3-chloropropane	96-12-8
Dichlofenthion	97-17-6
Dichlofluanide	1085-98-9
o,p'-Dichlorodiphenyl-dichloroethane	53-19-0
p,p'-Dichlorodiphenyl-dichloroethane	72-54-8
o,p'-Dichlorodiphenyl-dichloroethylene	3424-82-6
p,p'-Dichlorodiphenyl-dichloroethylene	72-55-9



Chemical Name	CAS Number
Pesticides	
o,p'-Dichlorodiphenyl-trichloroethane and its isomers - preparations containing DDT and its isomers	789-02-6
p,p'-Dichlorodiphenyl-trichloroethane and its isomers - preparations containing DDT and its isomers	50-29-3
2,4-Dichlorophenoxyacetic acid its salts, esters and compounds	Several
2,4-Dichlorophenoxy acetic acid	94-75-7
4,6-Dichloro-7-(2,4,5-trichlorophenoxy)-2-trifluoro-methyl-benzimidazole	63405-99-2
Dichlorprop	120-36-5
Dichlorvos	62-73-7
Dicofol	115-32-2
Dicrotophos	141-66-2
Dicyclanil	112636-83-6
Dieldrin	60-57-1
Diflubenzuron	35367-38-5

Chemical Name	CAS Number
Pesticides	
Dimethoate	60-51-5
Dinotefuran	165252-70-0
Dinoseb its salts, esters and acetate	Several
Dinoseb	88-85-7
Dinoterb	1420-07-1
Disulfoton	298-04-4
Diuron	330-54-1
DNOC	534-52-1
Endosulfan	115-29-7
Endosulfan, alpha	959-98-8
Endosulfan, beta	33213-65-9
Endrin	72-20-8

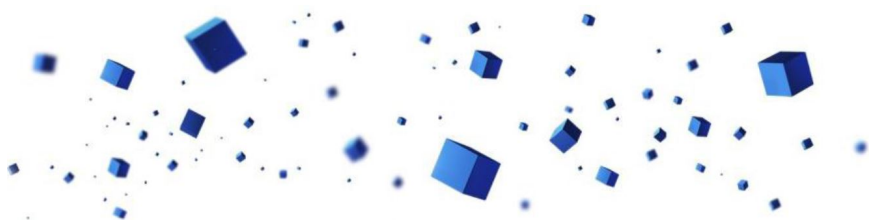
Chemical Name	CAS Number
Pesticides	
Esfenvalerate	66230-04-4
Ethion	563-12-2
Ethyl parathion	56-38-2
Ethylene dibromide	106-93-4
Fenchlorphos	299-84-3
Fenitrothion	122-14-5
Fenvalerate	51630-58-1
Flumethrin	69770-45-2
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
Hexachlorocyclohexane all isomers	608-73-1
Imidacloprid (ISO)	105827-78-9 138261-41-3



Chemical Name	CAS Number
Pesticides	
Isodrin	465-73-6
Isoproturon	34123-59-6
Kelevan	4234-79-1
Lindane (ISO)	58-89-9
Linuron	330-55-2
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

Chemical Name	CAS Number
Pesticides	
Mevinophos	7786-34-7
Mirex	2385-85-5
Monocrotophos	6923-22-4
Monolinuron	1746-81-2
<i>Nitenpyram its salts, esters and compounds</i>	Several
Nitenpyram [1]	150824-47-8
Nitenpyram [2]	120738-89-8
Omethoate	1113-02-6
Oxydemeton methyl	301-12-2
Paraquat dication	4685-14-7
Paraquat dichloride	1910-42-5
Pentachloroanisole	1825-21-4

Chemical Name	CAS Number
Pesticides	
Perthane	72-56-0
Phosphamidon	13171-21-6
Phoxim	14816-18-3
Pirimiphos methyl	29232-93-7
Profenophos	41198-08-7
Propanil	709-98-8
Propetamphos	31218-83-4
Pyrazon	1698-60-8
Quinalphos	13593-03-8
Quintozene	82-68-8
Simazine	122-34-9
Strobane	8001-50-1



Chemical Name	CAS Number
Pesticides	
Telodrin	297-78-9
Thiacloprid	111988-49-9
Timiperone	57648-21-2
Thiamethoxam	153719-23-4
Tolyfluanid	731-27-1
Toxaphene	8001-35-2
Tribufos (DEF)	78-48-8
Trichlorfon	52-68-6
2,4,5-Trichlorophenoxyacetic acid its salts, esters and compounds	Several
2,4,5-Trichlorophenoxy acetic acid	93-76-5
2-(2,4,5-Trichlorophenoxy) propionic acid its salts, esters and compounds	Several
2-(2,4,5-Trichlorophenoxy) propionic acid	93-72-1

Chemical Name	CAS Number
Pesticides	
Triflumuron	64628-44-0
Trifluralin containing < 0.5 ppm NPDA	1582-09-8
Vinclozolin	50471-44-8

Chemical Name	CAS Number
Tin-Organic Compounds	
Butyltin compounds	Several
<i>Dibutyltin compounds (DBT)</i>	Several
Dibutylbis(pentane-2,4- dionato-O,O')tin	22673-19-4
Dibutyltin dichloride	683-18-1
<i>Tributyltin compounds - (TBT)</i>	Several
Bis(tributyltin) oxide	56-35-9
Octyltin compounds	Several
<i>Diocetyl tin compounds - (DOT)</i>	Several
Diocetyl tin dilaurate	3648-18-8
Stannane, dioctyl-, bis(coco acyloxy) derivs.	91648-39-4

Annex II Usage Ranges

Usage ranges classify consumer goods according to their consumer safety relevance.

Exposure scenarios for oral, dermal and inhalation exposure are the guiding principles for defining limit values to ensure consumer safety and the basis for setting usage ranges. Dermal exposure (exposure to human skin) is the main criterion for assignment of the usage range. Other routes of exposure may override this assignment if a more stringent usage range would result.

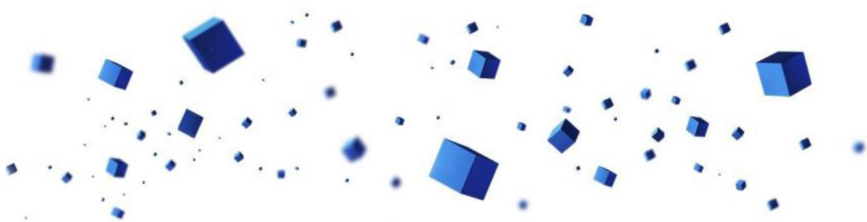
Three usage ranges (A, B, C) are defined with A being the most stringent category concerning limit values / bans:

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

This means a garment is at least usage range B unless the wearing properties and expected consumer behavior require a classification in usage range A.

The following table lists common consumer goods and allocates usage ranges. This classification is typically valid for the complete product. Exceptions are defined in the list.

Consumer goods	Usage Range			Comments
	A	B	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			
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			



Consumer goods	Usage Range			Comments
	A	B	C	
Harness		x		
Headdress	x			
Hammock		x		
Jacket		x		
Leggings	x			
Long sleeve t-shirt	x			
Mosquito net			x	
Pants		x		
Pullover		x		
Ropes and slings		x	x	Depending on the use.
Scarf	x			
Shirt		x		
Skirt		x		
Sleeping bag		x		Lining must be Usage Range A.
Sleeping mattress	x			
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			
Underpants (long / short)	x			
Undershirt	x			