bluesign® system black limits (BSBL)

Threshold limit values for chemical substances in chemical products

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1 Introduction

The document bluesign® system black limits (BSBL) specifies threshold limits for chemical substances in finished chemical products such as auxiliaries or dyes. It includes mainly all substances from the publicly available bluesign® system substances list (BSSL) for which a usage ban is defined. These could, for instance, be substances with carcinogenic, mutagenic or reprotoxic properties, or those falling under the POPs Regulation (The European Commission Regulation on persistent organic pollutants). One substantial example of these substances are monomers such as acrylamide or acrylonitrile. All of them might be present in polymers and must be controlled by bluesign® SYSTEM PARTNERS from the chemical industry.

Whereas the bluesign® TOOL includes, apart from the BSBL substances, also many other substances with limits in mixtures (e.g. dyes or auxiliaries) that depend on the relevant application situation and exposure scenario, the BSBL limits illustrate the minimum threshold limits independent from any type of application and strictly follow the precautionary hazard-based approach.

The BSBL threshold limits are to be seen as a minimum requirement, as a gate keeper for undesirable substances following a hazard-based approach. In addition, the bluesign® TOOL calculates individual substance concentrations on article level considering process and application conditions and compares them to the BSSL limits. To comply with BSSL limits, substance concentrations that are even more stringent than the BSBL threshold limits may need to be assured in the chemical product.

All chemicals registered in the bluesign® FINDER, a positive list of commercially available chemical products that passed the bluesign® CHEMICAL ASSESSMENT comply with the BSBL limits. Data on all bluesign® FINDER registered chemicals are provided by bluesign® SYSTEM PARTNERS from the chemical industry which all follow a Responsible Care approach with excellent knowledge on product stewardship and have outstanding environmental and occupational health and safety performance. Only by these means can a well-founded assessment of the respective chemical products be performed. Further, limits for substances in chemical products (included in the BSBL) as well as in articles (included in the BSSL) can be derived.

Through bluesign® CHEMICAL ASSESSMENT and CHEMICALS MANAGEMENT, of which the BSBL is just one building block, bluesign drives a powerful, conscientious and sustainable change towards safer chemicals in textile manufacturing.

2 Definitions and Abbreviations

2.1 BSBL

bluesign® system black limits. A list that specifies threshold limits for chemical substances in finished chemical products such as auxiliaries or dyes.

2.2 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.

2.3 bluesign® FINDER

Web-based online database containing a positive list of preferred chemicals (e.g. dyestuffs, auxiliaries). It serves as a search engine designed to help manufacturers in finding bluesign® APPROVED chemical products.

2.4 bluesign® SYSTEM

The bluesign® SYSTEM integrates the relevant players across the supply chain, sets criteria and defines actions that determine their behavior towards human and environmentally friendly production and products.

2.5 bluesign® TOOL

Web-based software application for chemical assessment and rating of chemical products.

2.6 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.

2.7 Chemical Product / Chemical

A commercial product which can be a chemical substance or a mixture.

2.8 Chemical Substance

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

2.9 Member

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

2.10 Mixture

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

2.11 Monitoring

In cases where a limit value is accompanied with the limit type 'monitoring' it should be the goal to be below the defined threshold. Exceeding the limit will not lead to a 'black' rating but to a 'grey' rating. The limit type 'monitoring' can be allocated for different reasons:

- 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.
- For some substances minimization requirements are defined (e.g. EDTA, Phosphonates). Those substances do not pose a high risk to people and the environment but use and discharge should be limited as far as possible to reduce impact.

2.12 Sector of Use

The Sector of Use is part of an innovative concept for the assessment of chemical products. bluesign uses an approach similar to the REACH system for risk-based evaluation of chemical substances and transfers it 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. The applied Sectors of Use are :

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

2.13 Several

When a substance group is not defined by a single CAS number, the field CAS Number contains the entry 'Several'. Several does not always mean that the whole substance group is restricted (e.g. aldehydes, amines). In case of a restriction on the whole substance group, it is reflected by a defined limit in the column 'value' 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.

2.14 Substance Groups

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

- Main substance groups (**bold, normal letter**)
- Substance groups (**bold,*italic letter***)
- Substance subgroups (*italic letter*)
- Single substance (normal letter)

2.15 Threshold Limit Value

The maximum amount of a chemical substance permitted in a finished chemical product, independent from process and application conditions, to be registered in the bluesign® FINDER.
In addition to the threshold limit compliance check the bluesign® TOOL calculates individual substance concentrations on article level considering process and application conditions and compares them to the BSSL limits. To comply with BSSL limits, substance concentrations that are even more stringent than the BSBL threshold limits may need to be assured in the chemical product.

2.15.1 Detection Limit (DL)

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

2.15.2 Quantification Limit (QL)

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

2.16 Usage Ban

For most chemical substances or substance groups in the BSBL 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.

2.17 Usage Restriction

For some substances or substance groups a usage restriction is defined. In these cases an intentional use is allowed, but the concentration in the chemical produt is restricted (e.g. for Substances with usage restrictions but no consumer safety limits or free content of blocking agent).

3 Testing Methods

Testing shall be the last resort to confirm the absence of BSBL substances in finished chemical products (mixtures). This evidence is preferably adduced by Input Stream Management. That means for example appropriate selection of raw material suppliers, defining raw materials specifications, raw material control, process- and quality management at the production site. Recommended analytical test methods (e.g. GC-MS or LC-MS) are given in a separate column in the tables of section 6. Wherever possible, reference to a standard method (e.g. ISO) is given.
Sample preparation depends strongly on the sample matrix (powder, liquid, solvent– or water based, pH, viscosity of the mixture, other substances in the mixture, etc.). Therefore, the choice of sample preparation is tailor-made for each single tested chemical product and shall always be adjusted to the sample matrix.
All testing methods shall define the total content of the substance in the mixture. High recovery rate and low uncertainty shall be achieved. Robustness of the method shall be given.

4 SVHC

Some substances of very high concern (SVHC; Candidate List in accordance with Article 59(10) of the REACH Regulation) are listed in the BSBL with limits that can be lower than the EU defined limit of declaration (which is 1000 mg/kg). For all SVHCs not directly listed in the BSBL, a threshold limit of 1000 mg/kg is defined and the reporting limit is set to 100 mg/kg.

5 Scope and Validity

5.1 Scope

This document specifies threshold limits for chemical substances in chemical products. All bluesign® APPROVED chemical products must comply with these limits.

5.2 Validity

BSBL 6.0 comes into force on 1st July 2024. It replaces the bluesign® system black limits (BSBL), version 5.0 from 1st July 2023.
This document is revised annually in line with latest legislation and research. It is supported by stakeholder comments of bluesign® SYSTEM PARTNER experts.
For all bluesign® SYSTEM PARTNERS the implementation of the revised sections, unless stated otherwise, shall be effective by 1st July 2025 at the latest

6 Threshold Limit Values

This chapter informs on threshold limits for chemical substances in chemical products (see following tables). Annex I lists individual substances that belong to substance groups.

6.1 PFAS phase-out

Following the bluesign PFAS phase out program there are specific restrictions and bans for PFAS based chemicals and articles:

- From July 2022 bluesign® FINDER registration of new PFAS containing chemicals was no longer possible.
- By July 2023 all bluesign® APPROVED PFAS containing chemicals were removed from the bluesign® FINDER.
- From July 2023 bluesign® GUIDE registration of new articles that were treated with PFAS containing chemicals was no longer possible
- Certain dyestuff with a CF3 group that formally fall under the PFAS definition and that were still listed in the bluesign® FINDER is subject to fast-track phase out. By 1st of July 2024 affected chemical products are removed from the bluesign® FINDER
- By January 2025 all bluesign® APPROVED articles that were treated with PFAS containing chemicals will be removed from the bluesign® GUIDE
- Exceptions might be possible, for more details see last version of the 'Guidance Sheet PFAS phase out'.

Analytical proof that PFAS chemicals are not included:
At first screening test for total Fluorine via combustion ion chromatography (EN14582 or ASTM 07359; Quantification Limit: 50 mg/kg). Screening test is followed by confirmatory testing on single substances in case of findings. Beside individual substance testing information from the supply chain on possible fluorine compounds shall be gathered.
bluesign follows the PFAS definition indicated in the general EU restriction proposal on PFAS which is based on the OECD definition:
Any substance that contains at least one fully fluorinated methyl (CF3-) or methylene (-CF2-) carbon atom (without any H/Cl/Br/I attached to it).
A substance that only contains the following structural elements is excluded from the scope of the restriction:
CF3-X or X-CF2-X', where X = -OR or -NRR' and X' = methyl (-CH3), methylene (-CH2-), an aromatic group, a carbonyl group (-C(O)-), -OR'', -SR'' or –NR''R''';
and where R/R'/R''/R''' is a hydrogen (-H), methyl (-CH3), methylene (-CH2-), an aromatic group or a carbonyl group (-C(O)-).
This definition might also affect substances that do not fall into the typical application of water/oil/stain repellents.

6.2 ETAD listed metals

Please note that not all ETAD listed metals (ETAD Code of Ethics Annex A, https://etad.com/en/about-etad/code-of-ethics.html) are explicitly mentioned in the BSBL. The reason is that the BSBL focuses on substances of very high concern regarding people and environment and follows a precautionary hazard-based approach. ETAD also restricts non-hazardous metals (for example iron) for other reasons. All bluesign® SYSTEM PARTNERS are obliged to keep the ETAD limits for metals in colorants (see bluesign® CRITERIA, effective version).

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Aldehydes							
Acrolein	107-02-8	All	Usage ban	50	mg/kg	LC-MS	
Acetaldehyde	75-07-0		Usage ban	500	mg/kg		
Glutaraldehyde	111-30-8		Usage ban	1000	mg/kg		Usage allowed as in-can preservative (< 1000 ppm).

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Alkylphenolethoxylates (APEOs)							
Nonylphenol ethoxylates (NPEO)	Several	All	Usage ban	100	mg/kg	According to ISO 18254-1 (2016)	For sum of all allocated Members/Substances. Single Members/Substances listed in Annex.
Octylphenol ethoxylates (OPEO)	Several		Usage ban	100	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Alkylphenols (APs)							
4-tert-Butylphenol	98-54-4	All	Usage ban	100	mg/kg	According to ISO 21084 (2019)	
p-(1,1-Dimethylpropyl) phenol	80-46-6		Usage ban	100	mg/kg		
4-Heptylphenol, branched and linear	Several		Usage ban	100	mg/kg		For sum of all allocated Members/Substances. Single Members/Substances listed in Annex.
Octylphenol (OP), mixed isomers	Several		Usage ban	100	mg/kg		
Nonylphenol (NP), mixed isomers	Several		Usage ban	100	mg/kg		
Dodecylphenol, mixed isomers	***27193-86-8***		Usage ban	100	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Amines							
Aminoethylethanolamine - (AEEA)	111-41-1	All	Usage ban	10	mg/kg	GC-MS	
Fatty acid condensation products with AEEA which may cleave to AEEA			Usage ban	100	mg/kg	LC-MS	
Ethylenediamine	107-15-3		Usage ban	1000	mg/kg	GC-MS	
Imidazole	288-32-4		Usage ban	10	mg/kg		
Melamine	108-78-1		Usage ban	1000	mg/kg		
2-Naphthylphenylamine	135-88-6		Usage ban	10	mg/kg		
Anilines, its salts and compounds	Several						
Aniline - free content	62-53-3	All	Usage restriction	500	mg/kg	LC-MS	Free content. Exceptional limit for Indigo: 2000 mg/kg (only valid when Indigo content of the preparation ≥ 30%). Testing: Indigo with reduction step, see bluesign® FACT SHEET Aniline.
Phenylenediamines and its salts	Several						
p-Phenylenediamine and its salts	Several						
p-Phenylenediamine	106-50-3	All	Usage ban	150	mg/kg	GC-MS	
p-Phenylenediamine-dihydrochloride	624-18-0		Usage ban	150	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Arylamines							
Arylamines	Several	All	Usage ban			LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Usage ban 150 mg/kg for every allocated arylamine and its corresponding salts // Goal is 100 mg/kg (as substance for example in PU or by reductive cleavage of azo colorants)
o-Aminoazotoluene and its salts	Several		Usage ban	150	mg/kg		Goal: 100 mg/kg Single Substances listed in Annex
p-Aminoazobenzene and its salts	Several		Usage ban	150	mg/kg		
4-Aminobiphenyl and its salts	Several		Usage ban	150	mg/kg		
6-Amino-2-ethoxynaphthalene and its salts	Several		Usage ban	150	mg/kg		
4-Amino-3-fluorophenol and its salts	Several		Usage ban	150	mg/kg		
4-Chloroaniline and its salts	Several		Usage ban	150	mg/kg		
2,4-Diaminoanisole and its salts	Several		Usage ban	150	mg/kg		
4,4'-Diaminodiphenylmethane and its salts	Several		Usage ban	150	mg/kg		
2,4-Diaminotoluene and its salts	Several		Usage ban	150	mg/kg		
4,4'-Methylenebis-(2-chloraniline) and its salts	Several		Usage ban	150	mg/kg		
2-Naphthylamine and its salts	Several		Usage ban	150	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Arylamines							
2-Anisidine and its salts	Several		Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	
Benzidine and its salts	Several		Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	
3,3'-Dimethylbenzidine and its salts	Several		Usage ban	150	mg/kg		
3,3'-Dichlorobenzidine and its salts	Several		Usage ban	150	mg/kg		
o-Dianisidines and its salts	Several		Usage ban	150	mg/kg		
Dianilines and its salts	Several						
4,4'-Oxydianiline and its salts	Several	All	Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Goal: 100 mg/kg Single Substances listed in Annex
4,4'-Thiodianiline and its salts	Several		Usage ban	150	mg/kg		
Toluidines and its salts	Several						
p-Cresidine and its salts	Several	All	Usage ban	150	mg/kg		Goal: 100 mg/kg Single Substances listed in Annex
m-Toluidine and its salts	Several		Usage ban	150	mg/kg		
o-Toluidine and its salts	Several		Usage ban	150	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Arylamines							
p-Toluidine and its salts	Several		Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	
4,4'-Methylenedi-o-toluidine and its salts	Several		Usage ban	150	mg/kg		
Nitrotoluidines and its salts	Several						
2-Amino-4-nitrotoluene and its salts	Several	All	Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Goal: 100 mg/kg Single Substances listed in Annex
Chlorotoluidines and its salts	Several						
4-Chloro-2-toluidine and its salts	Several	All	Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Goal: 100 mg/kg Single Substances listed in Annex
Trimethylanilines and its salts	Several						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Arylamines							
2,4,5-Trimethylaniline and its salts	Several	All	Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Goal: 100 mg/kg Single Substances listed in Annex
Xylidines and its salts	Several						
2,4-Xylidine and its salts	Several	All	Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Goal: 100 mg/kg Single Substances listed in Annex
2,6-Xylidine and its salts	Several		Usage ban	150	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Biocides							
2-Chloroacetamide	79-07-2	All	Usage ban	10	mg/kg	GC-MS	
Dichlorophen	97-23-4		Usage ban	10	mg/kg	LC-MS	
Dimethylfumarate	624-49-7		Usage ban	10	mg/kg	ISO 16186 (2021)	
N-Methylol-chloroacetamide	2832-19-1		Usage ban	100	mg/kg	GC-MS	
Permethrin	52645-53-1		Usage ban	10	mg/kg	GC-MS LC-MS	Exception valid for chemical products foreseen for usage range C: see bluesign® criteria for biocidal products and antimicrobial active substances
Pyrithione zinc	13463-41-7		Usage ban	50	mg/kg	ICP // with reference to DIN EN 16711-1 (2016) AAS // with reference to DIN EN 16711-1 (2016)	Testing: Metal content, in case of positive result further testing with CE/ICP-MS
Triclosan	3380-34-5		Usage ban	10	mg/kg	GC-MS	
Chlorinated and non-chlorinated Isothiazolinone-derivatives	Several		Usage ban			LC-MS	Usage ban for every allocated Member/Substance
Dichlorooctyl isothiazolinone - (DCOIT)	64359-81-5		Usage ban	100	mg/kg	LC-MS/MS	
o-Phenylphenol and its salts	Several	Textiles	Usage restriction	5000	mg/kg	DIN 50009 (2021)	
o-Phenylphenol	90-43-7						
Sodium 2-biphenylate	132-27-4						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Chlorinated Benzenes and Toluenes							
Chlorinated Benzenes and Toluenes	Several	All	Usage ban	25	mg/kg	GC-MS // with reference to EN 17137 (2019)	for sum of all allocated Members/Substances // Goal for sum is 10 mg/kg additionally for every allocated Member/Substance 10 mg/kg is valid with goal of 5 mg/kg
Chlorinated Benzenes	Several						
Monochlorobenzene	108-90-7	All	Usage ban	10	mg/kg	GC-MS // with reference to EN 17137 (2019)	Goal: 5 mg/kg
Dichlorobenzenes, all isomers	Several		Usage ban				(Single substances listed in Annex)
Trichlorobenzenes, all isomers	Several		Usage ban				
Tetrachlorobenzenes, all isomers	Several		Usage ban				
Chlorinated Toluenes	Several						
Pentachlorotoluene	877-11-2	All	Usage ban	10	mg/kg	GC-MS // with reference to EN 17137 (2019)	Goal: 5 mg/kg
Chlorotoluene, unspecific mixture	25168-05-2		Usage ban	10	mg/kg		
Monochlorotoluenes, all isomers	Several		Usage ban				(Single substances listed in Annex)
Dichlorotoluenes, all isomers	Several		Usage ban				
Trichlorotoluenes, all isomers	Several		Usage ban				
Tetrachlorotoluenes, all isomers	Several		Usage ban				

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Chlorinated Phenols							
Trichlorophenol, all isomers	*25167-82-2*	All	Usage ban	5	mg/kg		For sum of all allocated Members/Substances. Additionally for every allocated Member/Substance 5 mg/kg is valid.
2,3,4-Trichlorophenol	15950-66-0		Usage ban	5	mg/kg		
2,3,5-Trichlorophenol	933-78-8		Usage ban	5	mg/kg		
2,3,6-Trichlorophenol	933-75-5		Usage ban	5	mg/kg		
2,4,5-Trichlorophenol	95-95-4		Usage ban	5	mg/kg		
2,4,6-Trichlorophenol	88-06-2		Usage ban	5	mg/kg		
3,4,5-Trichlorophenol	609-19-8		Usage ban	5	mg/kg		
Tetrachlorophenol, its salts and compounds	*25167-83-3*		Usage ban	5	mg/kg		For sum of all allocated Members/Substances. Additionally for every allocated Member/Substance 5 mg/kg is valid.
2,3,4,5-Tetrachlorophenol	4901-51-3		Usage ban	5	mg/kg		
2,3,4,6-Tetrachlorophenol	58-90-2		Usage ban	5	mg/kg		
2,3,5,6-Tetrachlorophenol	935-95-5		Usage ban	5	mg/kg		
Pentachlorophenol, its salts, esters and compounds	Several		Usage ban	5	mg/kg		For sum of all allocated Members/Substances.
Pentachlorophenol	87-86-5						
Mono- and Dichlorophenols	Several	All	Usage ban	10	mg/kg	DIN 50009 (2021) EN ISO 17070 (Leather)	For sum of all allocated Members/Substances. Additionally for every allocated Member/Substance 5 mg/kg is valid.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Chlorinated Phenols							
Monochlorophenols, all isomers	*25167-80-0*						
2-Chlorophenol	95-57-8	All	Usage ban	5	mg/kg		
3-Chlorophenol	108-43-0		Usage ban	5	mg/kg		
4-Chlorophenol	106-48-9		Usage ban	5	mg/kg		
Dichlorophenols, all isomers	*25167-81-1*						
2,3-Dichlorophenol	576-24-9	All	Usage ban	5	mg/kg		
2,4-Dichlorophenol	120-83-2		Usage ban	5	mg/kg		
2,5-Dichlorophenol	583-78-8		Usage ban	5	mg/kg		
2,6-Dichlorophenol	87-65-0		Usage ban	5	mg/kg		
3,4-Dichlorophenol	95-77-2		Usage ban	5	mg/kg		
3,5-Dichlorophenol	591-35-5		Usage ban	5	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Colorants							
Colorants with carcinogenic potential	Several	All	Usage ban			LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	200 mg/kg for every allocated Member/Substance
Acid Red 26	3761-53-3		Usage ban	200	mg/kg		
Leucomalachite green	129-73-7		Usage ban	200	mg/kg		
Basic Red 9	569-61-9		Usage ban	200	mg/kg		
Basic Violet 14	632-99-5		Usage ban	200	mg/kg		
Direct Black 38	1937-37-7		Usage ban	200	mg/kg		
Direct Blue 6	2602-46-2		Usage ban	200	mg/kg		
Direct Brown 95	16071-86-6		Usage ban	200	mg/kg		
Direct Red 28	573-58-0		Usage ban	200	mg/kg		
Disperse Blue 1	2475-45-8		Usage ban	200	mg/kg		
Disperse Orange 11	82-28-0		Usage ban	200	mg/kg		
Disperse Yellow 3	2832-40-8		Usage ban	200	mg/kg		
Pigment Yellow 34	1344-37-2		Usage ban	200	mg/kg		
Pigment Red 104	12656-85-8		Usage ban	200	mg/kg		
Solvent Red 80	6358-53-8		Usage ban	200	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	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		Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	
Solvent Yellow 2	60-11-7		Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022)	
Basic Green 4 - (Malachite Green)	Several		Usage ban	200	mg/kg	LC-DAD // with reference to DIN 54231 (2022)	For sum of all allocated Members/Substances.
Malachite green	10309-95-2						
Malachite green chloride	569-64-2						
Malachite green oxalate	2437-29-8						
Colorants with allergenic potential	Several	All	Usage ban			LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	200 mg/kg for every allocated Member/Substance
Disperse Blue 3	2475-46-9		Usage ban	200	mg/kg		
Disperse Blue 7	3179-90-6		Usage ban	200	mg/kg		
Disperse Blue 26	3860-63-7		Usage ban	200	mg/kg		
Disperse Blue 102	12222-97-8		Usage ban	200	mg/kg		
Disperse Blue 106	12223-01-7		Usage ban	200	mg/kg		
Disperse Blue 124	61951-51-7 15141-18-1		Usage ban	200	mg/kg		
Disperse Brown 1	23355-64-8		Usage ban	200	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Colorants							
Disperse Orange 1	2581-69-3		Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	
Disperse Orange 3	730-40-5		Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	
Disperse Red 1	2872-52-8		Usage ban	200	mg/kg		
Disperse Red 11	2872-48-2		Usage ban	200	mg/kg		
Disperse Red 17	3179-89-3		Usage ban	200	mg/kg		
Disperse Yellow 1	119-15-3		Usage ban	200	mg/kg		
Disperse Yellow 9	6373-73-5		Usage ban	200	mg/kg		
Disperse Yellow 39	12236-29-2		Usage ban	200	mg/kg		
Disperse Yellow 49	54824-37-2		Usage ban	200	mg/kg		
Solvent Yellow 14	842-07-9		Usage ban	200	mg/kg		
Disperse Blue 35	Several		Usage ban	200	mg/kg		For sum of all allocated Members/Substances.
Disperse Blue 35 [1]	12222-75-2						
Disperse Blue 35 [2]	56524-77-7						
Disperse Blue 35 B	56524-76-6						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Colorants							
Disperse Orange 37/59/76	Several	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	For sum of all allocated Members/Substances.
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						
Colorants banned for other reasons	Several		Usage ban				200 mg/kg for every allocated Member/Substance
Acid Orange 24	1320-07-6		Usage ban	200	mg/kg		
Acid Violet 49	1694-09-3		Usage ban	200	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		Usage ban	200	mg/kg		
Basic Violet 1	8004-87-3		Usage ban	200	mg/kg		
Direct Black 91	6739-62-4		Usage ban	200	mg/kg		
Direct Blue 76	16143-79-6		Usage ban	200	mg/kg		
Direct Blue 218	28407-37-6		Usage ban	200	mg/kg		
Direct Yellow 1	6472-91-9		Usage ban	200	mg/kg		
Disperse Yellow 23	6250-23-3		Usage ban	200	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Colorants							
Disperse Orange 149	85136-74-9		Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	
Solvent Blue 4	6786-83-0		Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	
Basic Violet 3	Several		Usage ban	200	mg/kg		For sum of all allocated Members/Substances.
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						
Navy Blue: A mixture of: disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-); trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromat	Several	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	For sum of all allocated Members/Substances.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	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							
Colorants which can cleave in carcinogenic amines	Several	All	Usage ban			LC-MS // with reference to DIN 54231 (2022) LC-DAD // with reference to DIN 54231 (2022)	200 mg/kg for every allocated Member/Substance. (Single substances listed in Annex)

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Dioxins and Furans							
Dioxins and Furans - Group 3	Several	All	Usage ban	95	µg/kg	With reference to EPA 8290A	For sum of traces 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 1 and 2	Several		Usage ban	5.0	µg/kg		For sum of traces of all allocated Members/Substances to Group 1 and 2. (Single substances listed in Annex)
Dioxins and Furans - Group 1	Several		Usage ban	1.0	µg/kg		For sum of traces of all allocated Members/Substances to Group 1. (Single substances listed in Annex)
Dioxins and Furans - Group 4 and 5	Several		Usage ban	5.0	µg/kg		For sum of traces of all allocated Members/Substances to Group 4 and 5. (Single substances listed in Annex)
Dioxins and Furans - Group 4	Several		Usage ban	1.0	µg/kg		For sum of traces of all allocated Members/Substances to Group 4. (Single substances listed in Annex)

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Enzymes							
Enzymes, industrial	Several	All	Usage ban				Usage ban only for enzyme formulations in powder form, limit: 1000 mg/kg (for sum of all). Test method: Normally quantification via input stream management. If required: substance specific testing. Single substances listed in Annex.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Flame retardants							
Tetrabromobisphenol A - (TBBP A)	79-94-7	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
Tetrabromobisphenol A bis(2,3-dibromopropylether)	21850-44-2		Usage ban	50	mg/kg		
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7		Usage ban	50	mg/kg		
Tri(aziridin-1-yl) phosphine oxide - (TEPA)	545-55-1		Usage ban	50	mg/kg	LC-MS // with reference to EN ISO 17881-2 (2016)	
Bis(2,3-dibromopropyl) phosphate - (BDBPP)	5412-25-9		Usage ban	50	mg/kg		
Trimethyl phosphate	512-56-1		Usage ban	50	mg/kg		
Tri-o-cresyl phosphate	78-30-8		Usage ban	50	mg/kg		
Tris(methylphenyl) phosphate	1330-78-5		Usage ban	50	mg/kg		
Tris(2-chloroethyl) phosphate - (TCEP)	115-96-8		Usage ban	50	mg/kg		
Tris-(2-chloro-1-methylethyl) phosphate - (TCPP)	13674-84-5		Usage ban	50	mg/kg		
Tris-[2-chloro-1-(chloromethyl)ethyl] phosphate - (TDCP or TDCPP)	13674-87-8		Usage ban	50	mg/kg		
Tris(2,3-dibromopropyl) phosphate - (TRIS)	126-72-7		Usage ban	50	mg/kg		
Trixylyl phosphate - (TXP)	25155-23-1		Usage ban	50	mg/kg		
Brominated alkyl alcohols	Several						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Flame retardants							
2,2-Bis(bromomethyl)-1,3-propanediol - (BBMP)	3296-90-0	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
2,3-Dibromopropan-1-ol - (2,3-DBPA)	96-13-9		Usage ban	50	mg/kg		
1-Propanol, 2,2-dimethyl-, tribromo deriv.	36483-57-5 1522-92-5		Usage ban	50	mg/kg		
Chlorinated paraffins, all chain lengths	Several	Textiles Down/feather Polymer parts Metal parts	Usage ban			GC-MS // prEN ISO 18219-1 (2019) GC-(NCI) MS // prEN ISO 18219-1 (2019) GC-MS // prEN ISO 18219-2 (2019) GC-(NCI) MS // prEN ISO 18219-2 (2019)	Usage ban 50 mg/kg for every allocated group.
	Several	Leather	Usage ban				Usage ban 250 mg/kg for every allocated group
Paraffin wax, chlorinated	*63449-39-8*	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		
		Leather	Usage ban	250	mg/kg		
Paraffin, C10-C13, chlorinated - (SCCP)	*85535-84-8*	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		
		Leather	Usage ban	250	mg/kg		
Paraffin, C14-C17, chlorinated - (MCCP)	*85535-85-9*	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		Single substances (not concluded) listed in Annex.
		Leather	Usage ban	250	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Flame retardants							
Paraffin, C18-C28, chlorinated - (LCCP)	*85535-86-0*	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		
		Leather	Usage ban	250	mg/kg		
Hexabromocyclododecan, all isomers - group for all major diastereoisomers identified	Several	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
Polybrominated diphenyl ethanes	Several						
Decabromodiphenylethane (DBDPE)	84852-53-9	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
Polybrominated diphenyl ethers	Several		Usage ban				Usage ban 50 mg/kg for every allocated substance or group.
Decabromodiphenyl ether - (DecaBDE)	1163-19-5		Usage ban	50	mg/kg		
Monobromodiphenyl ether - (MonoBDE)	Several		Usage ban	50	mg/kg		For sum of all allocated Members/Substances.
2-Bromodiphenyl ether	7025-06-1						
3-Bromodiphenyl ether	6876-00-2						
4-Bromodiphenyl ether	101-55-3						
Tribromodiphenyl ether - (TriBDE)	*49690-94-0*	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Flame retardants							
Tetrabromodiphenyl ether - (TetraBDE)	*40088-47-9*		Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
Pentabromodiphenyl ether - (PentaBDE)	*32534-81-9*		Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
Hexabromodiphenyl ether - (HexaBDE)	*36483-60-0*		Usage ban	50	mg/kg		
Heptabromodiphenyl ether - (HeptaBDE)	*68928-80-3*		Usage ban	50	mg/kg		
Octabromodiphenyl ether - (OctaBDE)	*32536-52-0*		Usage ban	50	mg/kg		
Nonabromodiphenyl ether - (NonaBDE)	*63936-56-1*		Usage ban	50	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Glycols							
Bis(2-methoxyethyl) ether	111-96-6	All	Usage ban	50	mg/kg	LC-MS	
2-Ethoxyethanol	110-80-5		Usage ban	50	mg/kg		
2-Ethoxyethyl acetate	111-15-9		Usage ban	50	mg/kg		
Ethylene glycol dimethyl ether	110-71-4		Usage ban	50	mg/kg		
2-Methoxyethanol	109-86-4		Usage ban	50	mg/kg		
2-Methoxyethyl acetate	110-49-6		Usage ban	50	mg/kg		
2-Methoxy-1-propanol	1589-47-5	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		
		Leather	Usage ban	200	mg/kg		
2-Methoxypropyl acetate	70657-70-4	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		
		Leather	Usage ban	50	mg/kg		Specific limit for leather finishing: 200 mg/kg.
Triethylene glycol dimethyl ether	112-49-2	All	Usage ban	50	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Greenhouse Gases, fluorinated							
Greenhouse Gases, fluorinated	Several	All	Usage ban			CEN/TS 13130-10 (2005)	Usage ban 10 mg/kg for every allocated Member/Substance GHG as defined in EU regulation 517/2014, article 2 (1). Substances listed in Annex.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes							
Polybrominated Biphenyls	***59536-65-1***	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	For sum of all polybrominated biphenyls.
Monobromo biphenyl	26264-10-8		Usage ban	10	mg/kg		
Hexabromo biphenyl	36355-01-8		Usage ban	10	mg/kg		
Decabromo-1,1'-biphenyl	13654-09-6		Usage ban	10	mg/kg		
Polychlorinated Biphenyls	***1336-36-3***		Usage ban	10	mg/kg	GC-MS // with reference to ISO/TR 17881-3 (2018)	For sum of all polychlorinated biphenyls.
Polychlorinated Terphenyls	***61788-33-8***		Usage ban	10	mg/kg		For sum of all polychlorinated terphenyls.
Polybrominated Terphenyls	Several		Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	For sum of all polybrominated terphenyls.
Polychlorinated Naphthalenes	Several		Usage ban	10	mg/kg	GC-MS // with reference to ISO/TR 17881-3 (2018)	For sum of all polychlorinated naphthalenes.
Monochloro naphthalene	*25586-43-0*		Usage ban	10	mg/kg		
Dichloro naphthalene	*28699-88-9*		Usage ban	10	mg/kg		
Trichloro naphthalene	*1321-65-9*		Usage ban	10	mg/kg		
Tetrachloro naphthalene	*1335-88-2*		Usage ban	10	mg/kg		
Pentachloro naphthalene	*1321-64-8*		Usage ban	10	mg/kg		
Hexachloro naphthalene	*1335-87-1*		Usage ban	10	mg/kg		
Heptachloro naphthalene	*32241-08-0*		Usage ban	10	mg/kg		
Octachloro naphthalene	*2234-13-1*		Usage ban	10	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes							
Polybrominated Naphthalenes	Several		Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	For sum of all polybrominated naphthalenes.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Halogenated Diarylalkanes							
Halogenated Diarylalkanes	Several	All	Usage ban			GC-MS	Usage ban 10 mg/kg for every allocated Member/Substance
Monomethyl-dibromo-diphenyl methane	***99688-47-8***		Usage ban	10	mg/kg		
Monomethyl-dichloro-diphenyl methane	***81161-70-8***		Usage ban	10	mg/kg		
Monomethyl-tetrachloro-diphenyl methane	***76253-60-6***		Usage ban	10	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Metals							
Arsenic, its salts and compounds	Several						
Arsenic - as content	7440-38-2	All	Usage ban	50	mg/kg	ICP // with reference to DIN EN 16711-1 (2016) AAS // with reference to DIN EN 16711-1 (2016)	As metal content.
Cadmium, its salts and compounds	Several						
Cadmium - as content	7440-43-9	All	Usage ban	20	mg/kg	ICP // with reference to DIN EN 16711-1 (2016) AAS // with reference to DIN EN 16711-1 (2016)	As metal content. Limit for pigments: 50 mg/kg.
Chromium VI, its salts and compounds	Several						
Chromium VI - as content	18540-29-9	All	Usage ban	10	mg/kg	ICP // with reference to DIN EN 16711-1 (2016) AAS // with reference to DIN EN 16711-1 (2016)	As metal content.
Lead, its salts and compounds	Several						
Lead - as content	7439-92-1	All	Usage ban	100	mg/kg	ICP // with reference to DIN EN 16711-1 (2016) AAS // with reference to DIN EN 16711-1 (2016)	As metal content.
Mercury, its salts and compounds	Several						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Metals							
Mercury - as content	7439-97-6	All	Usage ban	4	mg/kg	ICP // with reference to DIN EN 16711-1 (2016) AAS // with reference to DIN EN 16711-1 (2016)	As metal content. Limit for pigments: 25 mg/kg.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Monomers							
Acrylamide	79-06-1	All	Usage ban	1000	mg/kg	LC-MS	Goal: 500 mg/kg; BSSL consumer safety limit must be assured
Acrylonitrile	107-13-1		Usage ban	100	mg/kg	Headspace GC-MS // with reference to EN 13130-3 (2004)	
2-Chlorobuta-1,3-diene	126-99-8		Usage ban	100	mg/kg	Headspace GC-MS // with reference to BVL B 80.68-1	
Epichlorohydrin	106-89-8		Usage ban	100	mg/kg	LC-MS // with reference to CEN/TS 13130-20 (2005)	
N-Methylolacrylamide	924-42-5		Usage ban	100	mg/kg	LC-MS	
Vinyl chloride	75-01-4		Usage ban	100	mg/kg	GC-MS // with reference to ISO 6401 (2008)	
1-Vinylimidazole	1072-63-5		Usage ban	500	mg/kg	GC-MS	

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Nitrosamines							
Nitrosamines	Several	All	Usage ban			GC-MS // with reference to GB/T 24513 (2009) GC-MS // with reference to prEN 19577 (2019)	As substance and as reaction product from secondary amines for example in elastomers or rubbers. Usage ban 1.0 mg/kg for every allocated Member/Substance.
N-Nitroso-di-n-butylamine	924-16-3		Usage ban	1.0	mg/kg		
N-Nitroso-di-ethanolamine	1116-54-7		Usage ban	1.0	mg/kg		
N-Nitroso-di-ethylamine	55-18-5		Usage ban	1.0	mg/kg		
N-Nitroso-di-isopropylamine	601-77-4		Usage ban	1.0	mg/kg		
N-Nitroso-di-methylamine	62-75-9		Usage ban	1.0	mg/kg		
N-Nitroso-di-benzylamine	5336-53-8		Usage ban	1.0	mg/kg		
N-Nitroso-di-isobutylamine	997-95-5		Usage ban	1.0	mg/kg		
N-Nitroso-di-isononylamine	1207995-62-7		Usage ban	1.0	mg/kg		
N-Nitroso-di-n-propylamine	621-64-7		Usage ban	1.0	mg/kg		
N-Nitroso-ethylphenylamine	612-64-6		Usage ban	1.0	mg/kg		
N-Nitroso-methylphenylamine	614-00-6		Usage ban	1.0	mg/kg		
N-Nitrosomethyl-n-butylamine	7068-83-9		Usage ban	1.0	mg/kg		
N-Nitrosomethyl-n-propylamine	924-46-9		Usage ban	1.0	mg/kg		
N-Nitroso-morpholine	59-89-2		Usage ban	1.0	mg/kg		
N-Nitroso-piperidine	100-75-4		Usage ban	1.0	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Nitrosamines							
N-Nitroso-pyrrolidine	930-55-2		Usage ban	1.0	mg/kg	GC-MS // with reference to GB/T 24513 (2009) GC-MS // with reference to prEN 19577 (2019)	

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Other Chemical Substances							
Alkylnaphthalenes: all derivatives		All	Usage ban	10	mg/kg	GC-MS	
Azobenzene	103-33-3 17082-12-1		Usage ban	100	mg/kg	GC-MS LC-MS	
Azodicarbonamide - (ADCA)	123-77-3		Usage ban	1000	mg/kg	LC-MS LC-DAD	Not allowed for bluesign® APPROVED chemicals, however the usage on-site is tolerated, if no feasible alternative for foaming is available. Proof that consumer safety limit for ADCA is kept via finished article testing (e.g. footwear sole).
Benzyl chloride	100-44-7		Usage ban	50	mg/kg	GC-MS // with confirmatory LC-MS in the event of a positive detection	Exception: Limit for dyestuffs is 100 mg/kg
Bisphenol A	80-05-7		Usage ban	10	mg/kg	LC-MS // LC-MS/MS // LC-PDA // Extraction with Methanol or Methanol: Tetrahydrofuran (1:1)	
Bisphenol AF	1478-61-1		Usage ban	100	mg/kg		
Bisphenol B	77-40-7		Usage ban	100	mg/kg		
Bisphenol F	620-92-8		Monitoring	1000	mg/kg		
Bisphenol S	80-09-1		Usage ban	1000	mg/kg		
2-Butanone oxime	96-29-7		Usage ban	50	mg/kg	GC-MS	Usage ban also valid for use as blocking agent.
4-tert-Butyltoluene	98-51-1		Usage ban	10	mg/kg		
1,3-Dichloro-2-propanol	96-23-1		Usage ban	100	mg/kg		
Dimethyl sulfate	77-78-1		Usage ban	100	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Other Chemical Substances							
2,4-Dinitrotoluene	121-14-2		Usage ban	100	mg/kg	GC- MS	
1,4-Dioxane	123-91-1		Usage ban	1000	mg/kg		
Ethyleneimine	151-56-4		Usage ban	100	mg/kg		
Formaldehyde oligomeric reaction product with aniline	25214-70-4		Usage ban	20	mg/kg	LC-MS // Indirect testing via Diaminodiphenylmethane	
Formamide	75-12-7		Usage ban	200	mg/kg	GC-MS	
Isoquinoline	119-65-3		Usage ban	1000	mg/kg	LC-MS/MS LC-DAD	
2-Methylaziridine	75-55-8		Usage ban	10	mg/kg	GC-MS	
Potassium bromate	7758-01-2		Usage ban	100	mg/kg	IC	
Sodium bromate	7789-38-0		Usage ban	100	mg/kg		
Quinoline	91-22-5		Usage ban	1000	mg/kg	LC-MS/MS LC-DAD	
Sodium borohydride	16940-66-2		Usage ban	250	mg/kg	ICP-MS // Indirect testing via Boron (DL 100 mg/kg) ICP-OES // Indirect testing via Boron (DL 100 mg/kg)	
Thiourea	62-56-6		Usage ban	1000	mg/kg	LC-MS	
Boric acid and derivatives	Several		Usage ban				Usage ban 250 mg/kg for every allocated substance or group
Barium diboron tetraoxide	13701-59-2		Usage ban	250	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Other Chemical Substances							
Borate, zinc salt	1332-07-6		Usage ban	250	mg/kg	ICP-OES // Indirect testing via Boron (DL 100 mg/kg) ICP-MS // Indirect testing via Boron (DL 100 mg/kg)	
Boron zinc oxide	12767-90-7		Usage ban	250	mg/kg		
Boric acid	10043-35-3 11113-50-1		Usage ban	250	mg/kg		
Diboron trioxide	1303-86-2		Usage ban	250	mg/kg		
Tetraboron disodium heptaoxide, hydrate	12267-73-1		Usage ban	250	mg/kg		
Disodium tetraborate	Several		Usage ban	250	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	250	mg/kg	ICP-OES // Indirect testing via Boron (DL 100 mg/kg) ICP-MS // Indirect testing via Boron (DL 100 mg/kg)	
Disodium octaborate, anhydrous	12008-41-2						
Disodium octaborate, tetrahydrate	12280-03-4						
Orthoboric acid sodium salt	*13840-56-7 25747-83-5 1333-73-9*	All	Usage ban	250	mg/kg	ICP-OES // Indirect testing via Boron (DL 100 mg/kg) ICP-MS // Indirect testing via Boron (DL 100 mg/kg)	

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Other Chemical Substances							
Boric acid, monosodium salt	14890-53-0						
Boric acid, disodium salt	22454-04-2						
Boric acid, trisodium salt	14312-40-4						
Perboric acid, sodium salt	*11138-47-9*	All	Usage ban	250	mg/kg	ICP-OES // Indirect testing via Boron (DL 100 mg/kg) ICP-MS // Indirect testing via Boron (DL 100 mg/kg)	
Perboric acid (HBO(O2)), sodium salt, monohydrate	10332-33-9						
Perboric acid, sodium salt, monohydrate	12040-72-1						
Perboric acid, sodium salt, tetrahydrate	37244-98-7						
Sodium perborate derivatives	Several	All	Usage ban	250	mg/kg	ICP-OES // Indirect testing via Boron (DL 100 mg/kg) ICP-MS // Indirect testing via Boron (DL 100 mg/kg)	
Sodium perborate	15120-21-5						
Sodium perborate, anhydrous	7632-04-4						
Cresol, all isomers	***1319-77-3***		Usage ban				Usage ban 100 mg/kg for every allocated Member/Substance
o-Cresol	95-48-7	All	Usage ban	100	mg/kg	GC-MS	
m-Cresol	108-39-4		Usage ban	100	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Other Chemical Substances							
p-Cresol	106-44-5		Usage ban	100	mg/kg	GC- MS	
Hydrazine, its salts and hydrates	Several		Usage ban	10	mg/kg		
Hydrazine	302-01-2						
Nitropropane derivatives	Several						
2-Nitropropane	79-46-9	All	Usage ban	100	mg/kg	GC-MS	
Siloxanes	Several		Usage ban			TEGEWA method (2021)	Usage ban 1000 mg/kg for every allocated Member/Substance
D4-Siloxane (Octamethylcyclotetrasiloxane)	556-67-2		Usage ban	1000	mg/kg		
D5-Siloxane (Decamethylcyclopentasiloxane)	541-02-6		Usage ban	1000	mg/kg		
D6-Siloxane (Dodecamethylcyclohexasiloxane)	540-97-6		Usage ban	1000	mg/kg		
Terpene hydrocarbons	Several		Usage ban			GC-MS	Usage ban 500 mg/kg for every allocated Member/Substance
D-Limonene	5989-27-5		Usage ban	500	mg/kg		
DL-Limonene	138-86-3		Usage ban	500	mg/kg		
L-Limonene	5989-54-8		Usage ban	500	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	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	100	mg/kg	GC-MS	For sum of all allocated Ozone depleting substances (Class I and II).
Ozone depleting substances (CFCs) class I	Several		Usage ban				Single substances listed in Annex.
Ozone depleting substances (CFCs) class II	Several		Usage ban				

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
PFAS (Poly- and perfluoroalkyl substances)							
PFAS (Poly- and perfluoroalkyl substances)	Several	All	Usage ban	50	mg/kg	EN 14582 (total fluorine) ASTM 07359 (total fluorine)	Limit refers to total fluorine content. Exceptions might be possible for specific uses, see "Guidance Sheet PFAS phase out" and PFAS statement in section 6.
Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine			Usage ban	100	µg/kg	GC-MS	
Perfluorobutane sulfonic acid and its derivatives	Several						
Perfluorobutane sulfonic acid and its salts	Several	All	Usage ban	1000	µg/kg	LC-MS // (non-volatile) GC-MS // (volatile)	For sum of all allocated Members/Substances.
Perfluorohexane sulfonic acid and its derivatives	Several		Usage ban				Usage ban 100 µg/kg for every allocated group.
Perfluorohexane sulfonic acid and its salts	Several		Usage ban	25	µg/kg		For sum of all allocated Members/Substances. Single substances listed in Annex.
Perfluorohexane sulfon amides	Several		Usage ban	100	µg/kg		For sum of all Members/Substances. Single substances listed in Annex.
Perfluorohexane sulfon amidoethanols	Several		Usage ban	100	µg/kg		
Perfluorohexane sulfon amidoethyl (meth)acrylates	Several		Usage ban	100	µg/kg		
Perfluorohexane sulfon halides	Several		Usage ban	100	µg/kg		
Perfluorohexane sulfon polymers	Several		Usage ban	100	µg/kg		
Perfluorooctane sulfonic acid and its derivatives	Several		Usage ban				Usage ban 100 µg/kg for every allocated group

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
PFAS (Poly- and perfluoroalkyl substances)							
Perfluorooctane sulfonic acid and its salts	Several		Usage ban	100	µg/kg		For sum of all allocated Members/Substances. Single substances listed in Annex.
Perfluorooctane sulfon amides	Several		Usage ban	100	µg/kg		For sum of all Members/Substances.
Perfluorooctane sulfon amidoethanols	Several		Usage ban	100	µg/kg		
Perfluorooctane sulfon amidoethyl (meth)acrylates	Several		Usage ban	100	µg/kg		
Perfluorooctane sulfon halides	Several		Usage ban	100	µg/kg		
Perfluorooctane sulfon polymers	Several		Usage ban	100	µg/kg		
Perfluoroalkyl sulfonic acid and its derivatives - F(CF2)n [n>8]	Several		Usage ban				Usage ban 100 µg/kg for every allocated group
Perfluoroalkyl sulfonic acid and its salts - F(CF2)n [n>8]	Several		Usage ban	100	µg/kg		For sum of all Members/Substances.
Perfluoroalkyl sulfon amides - F(CF2)n [n>8]	Several		Usage ban	100	µg/kg		
Perfluoroalkyl sulfon amidoethanols - F(CF2)n [n>8]	Several		Usage ban	100	µg/kg		
Perfluoroalkyl sulfon amidoethyl (meth)acrylates - F(CF2)n [n>8]	Several		Usage ban	100	µg/kg		
Perfluoroalkyl sulfon halides - F(CF2)n [n>8]	Several		Usage ban	100	µg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
PFAS (Poly- and perfluoroalkyl substances)							
Perfluoroalkyl sulfon polymers - F(CF2)n [n>8]	Several		Usage ban	100	µg/kg		
Perfluorobutanoic acid and its salts	Several		Usage ban	1000	µg/kg		
Perfluorohexanoic acid and its salts	Several		Usage ban	25	µg/kg		
Perfluoroheptanoic acid and its salts	Several		Usage ban	2000	µg/kg		
Perfluorooctanoic acid and its salts	Several		Usage ban	25	µg/kg		
Perfluorocarboxylic acids (C9-C14) and its salts	Several		Usage ban	25	µg/kg		For sum of all Members/Substances.
Perfluorobutanoic acid related substances	Several		Usage ban	1000	µg/kg		For sum of PFBA related substances.
Perfluorohexanoic acid related substances	Several		Usage ban	1000	µg/kg		For sum of all Members/Substances.
Perfluorooctanoic acid related substances	Several		Usage ban	1000	µg/kg		
Perfluorocarboxylic acid (C9-C14) related substances	Several		Usage ban	260	µg/kg		
Perfluoroalkyl compounds, branched	Several						
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	Several	All	Usage ban	2000	µg/kg	LC-MS // (non-volatile) GC-MS // (volatile)	For sum of all Members/Substances.

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Plasticizers							
Phthalic acid esters	Several	All	Usage ban	250	mg/kg	GC-MS // with reference to EN ISO 14389 (2014)	For sum of all allocated phthalic acid esters.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	71888-89-6		Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters	68515-40-2		Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkylesters	68515-42-4		Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0		Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4		Usage ban	10	mg/kg		
Bis-(2-methoxyethyl) phthalate - (DMEP)	117-82-8		Usage ban	10	mg/kg		
Butylbenzyl phthalate - (BBP)	85-68-7		Usage ban	10	mg/kg		
Dimethyl phthalate - (DMP)	131-11-3		Usage ban	10	mg/kg		
Diethyl phthalate - (DEP)	84-66-2		Usage ban	10	mg/kg		
Di-n-propyl phthalate - (DPRP)	131-16-8		Usage ban	10	mg/kg		
Dibutyl phthalate - (DBP)	84-74-2		Usage ban	10	mg/kg		
Di-iso-butyl phthalate - (DIBP)	84-69-5		Usage ban	10	mg/kg		
Di-n-pentyl phthalate - (DnPP)	131-18-0		Usage ban	10	mg/kg		
Di-iso-pentyl phthalate - (DIPP)	605-50-5		Usage ban	10	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Plasticizers							
n-Pentyl-isopentyl phthalate	776297-69-9		Usage ban	10	mg/kg		
Di-n-hexyl phthalate - (DnHP)	84-75-3		Usage ban	10	mg/kg		
Di-cyclohexyl phthalate - (DCHP)	84-61-7		Usage ban	10	mg/kg		
Di-iso-hexyl phthalate - (DIHxP)	71850-09-4		Usage ban	10	mg/kg		
Di-n-octyl phthalate - (DnOP)	117-84-0		Usage ban	10	mg/kg		
Di-iso-octyl phthalate - (DIOP)	27554-26-3		Usage ban	10	mg/kg		
Diethylhexyl phthalate - (DEHP)	117-81-7		Usage ban	10	mg/kg		
Dinonyl phthalate - (DNP)	84-76-4		Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	Several		Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5						
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1						
Di-iso-nonyl phthalate - (DINP)	Several	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 14389 (2014)	
Di-iso-nonyl phthalate - polygas based	28553-12-0						
Di-iso-nonyl phthalate - iso & n-Butene based	68515-48-0						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Plasticizers							
Di-iso-decyl phthalate - (DIDP)	Several	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 14389 (2014)	
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	Value	Unit	Test Method	Comment
Polyaromatic hydrocarbons (PAHs)							
Polyaromatic hydrocarbons (PAHs)	Several	All	Usage ban	100	mg/kg	With reference to EPA 8310 With reference to 8270D With reference to 8275A With reference to AfPS GS 2019	for sum of all allocated Members/Substances
Benzo(a)pyrene	50-32-8		Usage ban	1	mg/kg		
Benzo(e)pyrene	192-97-2		Usage ban	5	mg/kg		
Benzo(a)anthracene	56-55-3		Usage ban	5	mg/kg		
Benzo(b)fluoroanthene	205-99-2		Usage ban	5	mg/kg		
Benzo(j)fluoroanthene	205-82-3		Usage ban	5	mg/kg		
Benzo(k)fluoroanthene	207-08-9		Usage ban	5	mg/kg		
Chrysene	218-01-9		Usage ban	5	mg/kg		
Dibenzo(a,h)anthrene	53-70-3		Usage ban	5	mg/kg		
Dibenzo[def,p]chrysene	191-30-0		Usage ban	10	mg/kg		
Acenaphthene	83-32-9						
Acenaphthylene	208-96-8						
Anthracene	120-12-7						
Benzo[rst]pentaphene	189-55-9						
Benzo(ghi)perylene	191-24-2						
Cyclopenta[c,d]pyrene	27208-37-3						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Polyaromatic hydrocarbons (PAHs)							
Dibenzo[b,def]chrysene	189-64-0						
Fluoranthene	206-44-0						
Fluorene	86-73-7						
Indeno(1,2,3-cd) pyrene	193-39-5						
Naphthalene	91-20-3						
Naphtho[1,2,3,4-def]chrysene	192-65-4						
Phenanthrene	85-01-8						
Pyrene	129-00-0						
Methylpyrene, 1-	2381-21-7						

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Polymers							
Polyvinyl chloride	9002-86-2	All	Usage ban	500	mg/kg	Total chlorine (EN 14582) // FTIR (when chlorine detected)	Exception valid for chemical products foreseen for usage range C: bluesign technologies reserves the right to make a single decision for special applications.
Polyvinyliden chloride	9002-85-1		Usage ban	500	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Solvents							
Benzene	71-43-2	All	Usage ban	50	mg/kg	GC-MS	
1,2-Dichloroethane	107-06-2		Usage ban	5	mg/kg		
Dichloromethane	75-09-2		Usage ban	5	mg/kg		Exception is valid for chemicals used in paint stripping process in closed systems
N,N-Dimethylacetamide - (DMAc)	127-19-5		Usage ban	50	mg/kg	GC-MS // with reference to ISO 16189 (2021)	Exception for chemicals for fiber manufacturing, solvent coating and laminating. See also: bluesign® Guidance Sheet CMR-Solvent Management.
N,N-Dimethylformamide - (DMF)	68-12-2		Usage ban	50	mg/kg		Exception for chemicals for fiber manufacturing, solvent coating and laminating. See also: bluesign® Guidance Sheet CMR-Solvent Management.
Hexachlorobutadiene	87-68-3		Usage ban	100	mg/kg	GC-MS	
2-Pyrrolidone	616-45-5		Usage ban	1000	mg/kg	LC-MS	
N-Ethyl-2-pyrrolidone - (NEP)	2687-91-4		Usage ban	50	mg/kg	GC-MS // with reference to ISO 16189 (2021)	
N-Methylpyrrolidone - (NMP)	872-50-4		Usage ban	50	mg/kg		
Tetrachloroethylene	127-18-4		Usage ban	5	mg/kg	GC-MS	Exception is valid for chemicals used for dry cleaning in closed systems
Toluene	108-88-3		Usage ban	500	mg/kg		Exception: Limit not valid for solvent coating, laminating and painting/lacquering. See also: bluesign® Guidance Sheet CMR-Solvent Management.
Trichloroethylene	79-01-6		Usage ban	40	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Solvents							
Trichloromethane	67-66-3		Usage ban	100	mg/kg	GC- MS	
1,2,3-Trichloropropane	96-18-4		Usage ban	5	mg/kg		
Chlorinated ethanes, all isomers	Several		Usage ban				Usage ban 10 mg/kg for every allocated Member/Substance
1,1,1-Trichloroethane	71-55-6		Usage ban	10	mg/kg		is an Ozone Depleting Substance
1,1,2-Trichloroethane	79-00-5		Usage ban	10	mg/kg		
1,1,1,2-Tetrachloroethane	630-20-6		Usage ban	10	mg/kg	GC-MS	
1,1,2,2-Tetrachloroethane	79-34-5		Usage ban	10	mg/kg		
Pentachloroethane	76-01-7		Usage ban	10	mg/kg		
Hexachloroethane	67-72-1		Usage ban	10	mg/kg		
Xylene, all isomers	***1330-20-7***		Usage ban	500	mg/kg		Exception: Limit not 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	Value	Unit	Test Method	Comment
Substances with usage restrictions but no consumer safety limits							
Bis(chloromethyl)ether	542-88-1	All	Usage ban	10	mg/kg	GC-MS	
1,3-Butadiene	106-99-0		Usage ban	100	mg/kg	GC-MS // with reference to EN 13130-4 (2004)	
Ethylene oxide	75-21-8		Usage ban	100	mg/kg	Headspace GC-FID // with reference to CEN/TS 13130-22 (2005)	
Propylene oxide	75-56-9		Usage ban	100	mg/kg		
Potassium permanganate	7722-64-7		Usage ban	1000	mg/kg		Verification via Input stream management
Di (hydrogenated tallow alkyl) dimethyl ammonium chloride	***61789-80-8***		Usage ban	200	mg/kg	LC	
Distearyl dimethyl ammonium chloride	***107-64-2***		Usage ban	200	mg/kg		
Ditallow dimethyl ammonium chloride	***68783-78-8***		Usage ban	200	mg/kg		
EDTA/DTPA and its salts	Several						
Ethylenediaminetetraacetic acid dipotassium salt	2001-94-7 25102-12-9	All	Monitoring	1000	mg/kg	GC-MS // with reference to EN ISO 16588 (2004)	Minimization requirement for all uses with exception of use as water softener in freshwater and process water preparation. Usage ban for use as water softener in freshwater and process water preparation. Verification via input stream management.
Ethylenediaminetetraacetic acid magnesium disodium salt	14402-88-1		Monitoring	1000	mg/kg		
Ethylene diamine tetraacetic acid (EDTA), tetrasodium salt	10378-23-1 64-02-8		Monitoring	1000	mg/kg		
Trisodium hydrogen ethylenediaminetetraacetate	150-38-9		Monitoring	1000	mg/kg		
Ethylene diamine tetraacetic acid (EDTA), disodium salt	139-33-3 6381-92-6		Monitoring	1000	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Substances with usage restrictions but no consumer safety limits							
Ethylenediaminetetraacetic acid tetraammonium salt	22473-78-5		Monitoring	1000	mg/kg	GC-MS // with reference to EN ISO 16588 (2004)	Minimization requirement for all uses with exception of use as water softener in freshwater and process water preparation. Usage ban for use as water softener in freshwater and process water preparation. Verification via input stream management
Diethylenetriaminepentaacetic acid - (DTPA)	67-43-6		Usage ban	1000	mg/kg	GC-MS // with reference to EN ISO 16588 (2004)	
Diethylene triamine pentaacetic acid (DTPA), sodium salt	140-01-2		Usage ban	1000	mg/kg		
Hypochlorite/Chlorine	Several		Usage ban				Usage ban 100 mg/kg for every allocated Member/Substance Several exceptions are valid (see also Guidance sheet) Verification via Input stream management
Calcium hypochlorite	7778-54-3		Usage ban	100	mg/kg		Several exceptions are valid (see also Guidance sheet) Verification via Input stream management
Sodium hypochlorite	7681-52-9		Usage ban	100	mg/kg		
Chlorine	7782-50-5		Usage ban	100	mg/kg		
Sodium chlorite	7758-19-2		Usage ban	100	mg/kg		Exception is valid for chemicals for manufacturing of extra white synthetics for home textiles Verification via Input stream management
Phosphonates and salts	Several		Monitoring				

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Substances with usage restrictions but no consumer safety limits							
Amino, tris(methylene phosphonic acid)	6419-19-8		Monitoring	1000	mg/kg		Minimization requirement for all uses with exception of use as water softener in freshwater and process water preparation. Usage ban for use as water softener in freshwater and process water preparation. Verification via input stream management
Diethylenetriaminepenta(methylenephosphonic acid)	15827-60-8		Monitoring	1000	mg/kg		
Diethylenetriaminepenta(methylenephosphonic acid) sodium salt	22042-96-2		Monitoring	1000	mg/kg		
Ethylenediaminetetra(methylenephosphonic acid)	1429-50-1		Monitoring	1000	mg/kg		
1-Hydroxyethane-1,1-diphosphonic acid	2809-21-4		Monitoring	1000	mg/kg		
1-Hydroxyethane-1,1-diphosphonic acid sodium salts	7414-83-7 29329-71-3		Monitoring	1000	mg/kg		
1-Hydroxyethane-1,1-diphosphonic acid potassium salt	67953-76-8		Monitoring	1000	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Tin-organic Compounds							
Methyltin compounds	Several						
Monomethyltin compounds - (MMT)	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Dimethyltin compounds - (DMT)	Several		Usage ban	1	mg/kg		
Trimethyltin compounds - (TMT)	Several		Usage ban	1	mg/kg		
Ethyltin compounds	Several						
Tetraethyltin compounds - (TeET)	Several	All	Usage ban	1	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Propyltin compounds	Several						
Dipropyltin compounds - (DPT)	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Tripropyltin compounds - (TPT)	Several		Usage ban	1	mg/kg		
Butyltin compounds	Several						
Monobutyltin compounds - (MBT)	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Dibutyltin compounds - (DBT)	Several		Usage ban	5	mg/kg		
Tributyltin compounds - (TBT)	Several		Usage ban	1	mg/kg		
Tetrabutyltin compounds - (TeBT)	Several		Usage ban	1	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
Tin-organic Compounds							
Hexyltin compounds	Several						
Tricyclohexyltin compounds - (TCyHT)	Several	All	Usage ban	1	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Octyltin compounds	Several						
Monooctyltin compounds - (MOT)	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Dioctyltin compounds - (DOT)	Several		Usage ban	5	mg/kg		
Trioctyltin compounds - (TOT)	Several		Usage ban	1	mg/kg		
Tetraoctyltin compounds - (TeOT)	Several		Usage ban	1	mg/kg		
Phenyltin compounds	Several						
Monophenyltin compounds - (MPhT)	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
Diphenyltin compounds - (DPhT)	Several		Usage ban	5	mg/kg		
Triphenyltin compounds - (TPhT)	Several		Usage ban	1	mg/kg		

Chemical Name	CAS Number	Sector Of Use	Limit type	Value	Unit	Test Method	Comment
UV stabilizers							
UV-320	3846-71-7	All	Usage ban	1000	mg/kg	GC-MS	
UV-326	3896-11-5		Usage ban	1000	mg/kg		
UV-327	3864-99-1		Usage ban	1000	mg/kg		
UV-328	25973-55-1		Usage ban	1000	mg/kg		
UV-329	3147-75-9		Usage ban	1000	mg/kg		
UV-350	36437-37-3		Usage ban	1000	mg/kg		

7 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
- Enzymes
- Flame Retardants
- Greenhouse Gases, fluorinated
- Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes
- Metals
- Other Chemical Substances
- Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)
- PFAS (Poly- and perfluoroalkyl substances)
- Tin-Organic Compounds

Threshold limit values and test methods for the substance groups are provided in section 6.

Chemical Name	CAS Number
Alkylphenolethoxylates (APEOs)	
Nonylphenol ethoxylates (NPEO)	Several
Isononylphenol, ethoxylated	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
Nonylphenol, ethoxylated	9016-45-9
Nonylphenol, ethoxylated - 15 EO	9016-45-9
Nonylphenol, ethoxylated - 10 EO	9016-45-9
Nonylphenol, ethoxylated - 8 EO	9016-45-9
Nonylphenol, ethoxylated - 6.5 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
Nonylphenol, ethoxylated - > 30 EO	9016-45-9
Nonylphenol, ethoxylated - 4 EO	9016-45-9
26-(Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol	26571-11-9
Nonylphenol, branched, ethoxylated	68412-54-4

Chemical Name	CAS Number
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
Nonylphenol, branched, ethoxylated, phosphated	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
4-Nonylphenol, ethoxylated	26027-38-3
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
4-Nonylphenol, branched, ethoxylated	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
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
4-Nonylphenol, branched and linear, ethoxylated	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
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-hexaoxaicosan-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
Octylphenol branched, ethoxylated	68987-90-6
Octylphenol branched, ethoxylated - 9.5 EO	68987-90-6
tert-Octylphenol, ethoxylated	9036-19-5
tert-Octylphenol, ethoxylated - ≥ 2.5 - < 5 EO	9036-19-5
tert-Octylphenol, ethoxylated - ≥ 5 - < 8 EO	9036-19-5

Chemical Name	CAS Number
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
4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	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
4-tert-Octylphenol, ethoxylated	9002-93-1
4-tert-Octylphenol, ethoxylated - ≥ 2.5 - < 5 EO	9002-93-1
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)	
4-Heptylphenol, branched and linear	Several
4-Heptylphenol	1987-50-4
Phenol, heptyl derivates	72624-02-3
Octylphenol (OP), mixed isomers	Several
Octylphenol	27193-28-8

Chemical Name	CAS Number
4-Octylphenol	1806-26-4
4-tert-Octylphenol	140-66-9
Nonylphenol (NP), mixed isomers	Several
Phenol, nonyl-, branched	90481-04-2
Nonylphenol, mixed isomers	25154-52-3
Isononylphenol	11066-49-2
4-Nonylphenol, branched and linear	Several
p-Nonylphenol	104-40-5
4-(1-Ethyl-1-methylhexyl)phenol	52427-13-1
4-(3,6-Dimethyl-3-heptyl)phenol	142731-63-3
4-(3,5-Dimethyl-3-heptyl)phenol	186825-36-5
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
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

Chemical Name	CAS Number
	27147-75-7
Phenol, tetrapropylene	57427-55-1
Phenol, (tetrapropenyl) derivatives	74499-35-7
Phenol, 4-dodecyl-	104-43-8
Chemical Name	**CAS Number**
Arylamines	
o-Aminoazotoluene and its salts	Several
o-Aminoazotoluene	97-56-3
p-Aminoazobenzene and its salts	Several
p-Aminoazobenzene	60-09-3
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
4-Chloroaniline and its salts	Several
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

Chemical Name	CAS Number
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
2-Naphthylammonium acetate	553-00-4
Anisidines and its salts	Several
2-Anisidine and its salts	Several
2-Anisidine	90-04-0
Anisidine (o-, p-isomers)	29191-52-4
Benzidines and its salts	Several
Benzidine and its salts	Several
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	Several
3,3'-Dichlorobenzidine	91-94-1
o-Dianisidines and its salts	Several
3,3'-Dimethoxybenzidine	119-90-4
Dianilines and its salts	Several
4,4'-Oxydianiline and its salts	Several
4,4'-Oxydianiline	101-80-4

Chemical Name	CAS Number
4,4'-Thiodianiline and its salts	Several
4,4'-Thiodianiline	139-65-1
Toluidines and its salts	Several
p-Cresidine and its salts	Several
p-Cresidine	120-71-8
m-Toluidine and its salts	Several
m-Toluidine	108-44-1
m-Toluidine hydrochloride	638-03-9
o-Toluidine and its salts	Several
o-Toluidine	95-53-4
p-Toluidine and its salts	Several
p-Toluidine	106-49-0
4,4'-Methylenedi-o-toluidine and its salts	Several
4,4'-Methylenedi-o-toluidine	838-88-0
Nitrotoluidines and its salts	Several
2-Amino-4-nitrotoluene and its salts	Several
2-Amino-4-nitrotoluene	99-55-8
Chlorotoluidines and its salts	Several
4-Chloro-2-toluidine and its salts	Several
4-Chloro-2-toluidine	95-69-2
4-Chloro-2-toluidine hydrochloride	3165-93-3
Trimethylanilines and its salts	Several
2,4,5-Trimethylaniline and its salts	Several
2,4,5-Trimethylaniline	137-17-7
2,4,5-Trimethylaniline hydrochloride	21436-97-5

Chemical Name	CAS Number
Xylidines and its salts	Several
2,4-Xylidine and its salts	Several
2,4-Xylidine	95-68-1
2,6-Xylidine and its salts	Several
2,6-Xylidine	87-62-7
Chemical Name	**CAS Number**
Chlorinated Benzenes and Toluenes	
Chlorinated Benzenes	Several
Pentachlorobenzene	608-93-5
Hexachlorobenzene	118-74-1
Dichlorobenzenes, all isomers	Several
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
Trichlorobenzenes, all isomers	Several
1,2,3-Trichlorobenzene	87-61-6
1,2,4-Trichlorobenzene	120-82-1
1,3,5-Trichlorobenzene	108-70-3
Tetrachlorobenzenes, all isomers	Several
1,2,3,4-Tetrachlorobenzene	634-66-2
1,2,3,5-Tetrachlorobenzene	634-90-2
1,2,4,5-Tetrachlorobenzene	95-94-3
Chlorinated Toluenes	Several
Monochlorotoluenes, all isomers	Several
2-Chlorotoluene	95-49-8

Chemical Name	CAS Number
3-Chlorotoluene	108-41-8
4-Chlorotoluene	106-43-4
Dichlorotoluenes, all isomers	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
3,5-Dichlorotoluene	25186-47-4
Trichlorotoluenes, all isomers	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
Tetrachlorotoluenes, all isomers	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
a,a,a,4-Tetrachlorotoluene	5216-25-1
a,a,a,2-Tetrachlorotoluene	2136-89-2
Chemical Name	**CAS Number**
Colorants	
Colorants which can cleave in carcinogenic amines	Several

Chemical Name	CAS Number
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
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
Acid Red 167	61901-41-5
Acid Red 264	6505-96-0

Chemical Name	CAS Number
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	
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
Direct Blue 22	2586-57-4
Direct Blue 25	25180-27-2
Direct Blue 35	6473-33-2

Chemical Name	CAS Number
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
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
Direct Brown 154	6360-54-9
Direct Brown 222	64743-15-3
Direct Brown 223	76930-14-8
Direct Green 1	3626-28-6

Chemical Name	CAS Number
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
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
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

Chemical Name	CAS Number
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
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
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

Chemical Name	CAS Number
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	
Dioxins and Furans - Group 3	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
Dioxins and Furans - Group 1 and 2	Several
Dioxins and Furans - Group 1	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
Dioxins and Furans - Group 2	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
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9

Chemical Name	CAS Number
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5
Dioxins and Furans - Group 4 and 5	Several
Dioxins and Furans - Group 4	Several
2,3,7,8-Tetrabromodibenzo-p-dioxin	50585-41-6
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
Dioxins and Furans - Group 5	Several
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin	110999-44-5
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin	110999-45-6
1,2,3,7,8,9-Hexabromodibenzo-p-dioxin	110999-46-7
1,2,3,7,8-Pentabromodibenzofuran	107555-93-1
Chemical Name	**CAS Number**
Enzymes	
Enzymes, industrial	Several
alpha-Amylase	9000-90-2
Cellulase	9012-54-8
Laccase	80498-15-3
Peroxidase	9003-99-0
Subtilisins	1395-21-7
Subtilisin	9014-01-1
Chemical Name	**CAS Number**
Flame retardants	
Chlorinated paraffins, all chain lengths	Several
Paraffin, C14-C17, chlorinated - (MCCP)	85535-85-9

Chemical Name	CAS Number
Alkanes, C14-16, chloro	1372804-76-6
Di-, tri- and tetrachlorotetradecane	
Tetradecane, chloro derivs.	198840-65-2
Hexabromocyclododecan, all isomers - group for all major diastereoisomers identified	Several
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
Chemical Name	**CAS Number**
Greenhouse Gases, fluorinated	
Sulphur hexafluoride	2551-62-4
Perfuorocarbons	Several
Perfluoro methane	75-73-0
Perfluoro ethane	76-16-4
Perfluoro propane	76-19-7
Perfluoro butane	355-25-9
Perfluoro pentane	678-26-2
Perfluoro hexane	355-42-0
Perfluoro cyclobutane	115-25-3
Hydrofluorocarbons	Several
HFC-23	75-46-7
HFC-32	75-10-5
HFC-41	593-53-3

Chemical Name	CAS Number
HFC-43-10mee	138495-42-8
HFC-125	354-33-6
HFC-134	359-35-3
HFC-134a	811-97-2
HFC-152	624-72-6
HFC-152a	75-37-6
HFC-143	430-66-0
HFC-143a	420-46-2
HFC-161	353-36-6
HFC-227ea	431-89-0
HFC-236cb	677-56-5
HFC-236ea	431-63-0
HFC-236fa	690-39-1
HFC-245ca	679-86-7
HFC-245fa	460-73-1
HFC-365mfc	406-58-6
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

Chemical Name	CAS Number
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
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
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

Chemical Name	CAS Number
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
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
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

Chemical Name	CAS Number
2,3,3',5-Tetrachlorobiphenyl	70424-67-8
2,3,3',5'-Tetrachlorobiphenyl	41464-49-7
2,3,3',6-Tetrachlorobiphenyl	74472-33-6
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
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

Chemical Name	CAS Number
2,2',3,3',4-Pentachlorobiphenyl	52663-62-4
2,2',3,3',5-Pentachlorobiphenyl	60145-20-2
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
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

Chemical Name	CAS Number
2,3,3',4',5-Pentachlorobiphenyl	70424-68-9
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
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
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
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
2,3,3',4,4',5-Hexachlorobiphenyl	38380-08-4

Chemical Name	CAS Number
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
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
2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3
2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2

Chemical Name	CAS Number
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
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
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

Chemical Name	CAS Number
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	Several
Monochloro naphthalene	25586-43-0
1-Chloronaphthalene	90-13-1
2-Chloronaphthalene	91-58-7
Dichloro naphthalene	28699-88-9
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	
Arsenic, its salts and compounds	Several
Arsenic	7440-38-2
Cadmium, its salts and compounds	Several
Cadmium	7440-43-9
Chromium VI, its salts and compounds	Several
Ammonium dichromate	7789-09-5
Chromium VI	18540-29-9
Chromium trioxide	1333-82-0
Dichromium tris(chromate)	24613-89-6
Lead chromate	7758-97-6

Chemical Name	CAS Number
Pentazinc chromate octahydroxide	49663-84-5
Potassium hydroxyoctaoxodizincate dichromate	11103-86-9
Potassium chromate	7789-00-6
Potassium dichromate	7778-50-9
Sodium chromate	7775-11-3
Strontium chromate	7789-06-2
Acids generated from chromium trioxide and their oligomers	Several
Dichromic acid	13530-68-2
Chromic acid	7738-94-5
Oligomers of chromic acid and dichromic acid	
Sodium dichromate derivatives	Several
Sodium dichromate dihydrate	7789-12-0
Sodium dichromate anhydrous	10588-01-9
Lead, its salts and compounds	Several
Lead	7439-92-1
Lead diacetate	301-04-2 6080-56-4
Trilead dioxide phosphonate	12141-20-7
Pigment White 1	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
Pentalead tetraoxide sulphate	12065-90-6

Chemical Name	CAS Number
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
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
Mercury, its salts and compounds	Several
Mercury	7439-97-6
Chemical Name	**CAS Number**
Other Chemical Substances	
Hydrazine, its salts and hydrates	Several
Hydrazine hydrates	7803-57-8

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Chemical Name	CAS Number
Hydrazine sulfate	10034-93-2
Chemical Name	**CAS Number**
Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)	
Ozone depleting substances (CFCs) class 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
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

Chemical Name	CAS Number
1,1,1-Trichloropentafluoropropane	4259-43-2
1,2,2-Trichloropentafluoropropane	1599-41-3
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
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)	

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Chemical Name	CAS Number
Tribromotetrafluoropropane - (HBFC-224 B3)	666-48-8
Dibromopentafluoropropane - (HBFC-225 B2)	431-78-7
Bromohexafluoropropane - (HBFC-226 B1)	2252-79-1
Pentrabromofluorapropane - (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
Tetrabrobofluoropropane - (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
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
Ozone depleting substances (CFCs) class II	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
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
1,2-Dichloro-1,1,2-trifluoroethane - (HCFC-123a)	354-23-4
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
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
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
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
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
Chemical Name	**CAS Number**
PFAS (Poly- and perfluoroalkyl substances)	
Perfluorobutane sulfonic acid and its derivatives	Several
Perfluorobutane sulfonic acid and its salts	Several
Perfluorobutane sulfonic acid	375-73-5
Perfluorobutane sulfonates	45187-15-3
Perfluorobutane sulfon amides	30334-69-1
Perfluorobutane sulfon amido ethanols	Several
Perfluorobutane sulfon amidoethyl (meth)acrylates	Several
Perfluorobutane sulfon halides	Several
Perfluorobutane sulfon polymers	Several
Perfluorohexane sulfonic acid and its derivatives	Several
Perfluorohexane sulfonic acid and its salts	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

Chemical Name	CAS Number
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-, compd. 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
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 with1,1,2,2,3,3,4,4,5,5,6,6,6-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-, compd. with pyrrolidine (1:1)	1187817-57-7
Beta-Cyclodextrin, compd. 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, compd. 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 with1,1,2,2,3,3,4,4,5,5,6,6,6-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-, compd.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
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

Chemical Name	CAS Number
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
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 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
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
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
Perfluorohexane sulfon amides	Several
Perfluorohexane sulfon amide	41997-13-1

Chemical Name	CAS Number
Tridecafluoro-N-methylhexanesulphonamide	68259-15-4
Perfluorohexane sulfon halides	Several
Perfluorohexanesulphonyl fluoride	423-50-7
Perfluorooctane sulfonic acid and its derivatives	Several
Perfluorooctane sulfonic acid and its salts	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
Ethanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	56773-42-3
1-Decanaminium, N-decyl-N,N-dimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	251099-16-8
Perfluorooctane sulfon amides	Several
Perfluorooctane sulfonamide	754-91-6
Heptadecafluoro-N-methyloctane sulfonamide	31506-32-8
Perfluorooctane sulfon amidoethanols	Several
Heptadecafluoro-N-methyloctane sulfonamideoethanol	24448-09-7
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	4151-50-2
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-	1691-99-2
Perfluorooctane sulfon halides	Several
1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-	307-35-7
Perfluoroalkyl sulfonic acid and its derivatives - F(CF2)n [n>8]	Several

Chemical Name	CAS Number
Perfluoroalkyl sulfonic acid and its salts - F(CF2)n [n>8]	Several
Perfluorodecane sulfonic aidc	335-77-3
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluoro-1-decanesulfonic acid	39108-34-4
1-Dodecanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-	120226-60-0
Perfluorobutanoic acid and its salts	Several
Perfluorobutanoic acid	375-22-4
Perfluorohexanoic acid and its salts	Several
Perfluorohexanoic acid - (PFHxA)	307-24-4
Perfluoroheptanoic acid and its salts	Several
Perfluoroheptanoic acid	375-85-9
Potassium perfluoroheptanoate	21049-36-5
Perfluorooctanoic acid and its salts	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
Silver(1+) perfluorooctanoate	335-93-3
Perfluorocarboxylic acids (C9-C14) and its salts	Several
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecanoic acid	27854-31-5
2,2,3,4,4,5,5,6,6,7,8,8,8-Tridecafluoro-3,7-bis(trifluoromethyl)octanoic acid	172155-07-6
4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Heptadecafluoroundecanoic acid	34598-33-9
Perfluorononanoic acid and its salts	Several
Perfluorononanoic acid	375-95-1
Sodium salts of perfluorononan-1-oic-acid	21049-39-8

Chemical Name	CAS Number
Ammonium salts of perfluorononan-1-oic-acid	4149-60-4
Perfluorodecanoic acid and its salts	Several
Perfluorodecanoic acid	335-76-2
Ammonium nonadecafluoro-decanoate	3108-42-7
Decanoic acid, nonadecafluoro-, sodium salt	3830-45-3
Perfluoroundecanoic acid and its salts	Several
Perfluoroundecanoic acid	2058-94-8
Perfluorododecanoic acid and its salts	Several
Perfluorododecanoic acid	307-55-1
Perfluorotridecanoic acid and its salts	Several
Perfluorotridecanoic acid	72629-94-8
Perfluorotetradecanoic acid and its salts	Several
Perfluorotetradecanoic acid	376-06-7
Perfluorobutanoic acid related substances	Several
4:2 Fluorotelomer alcohol (4:2 FTOH)	2043-47-2
Perfluorohexanoic acid related substances	Several
Perfluorohexylethyl alcohols	Several
6:2 Fluorotelomer alcohols (6:2 FTOH)	647-42-7
Perfluorohexylethyl olefins	Several
Perfluorohexylethene	25291-17-2
Perfluorohexylethyl halides	Several
Tridecafluoro-1-iodohexane	355-43-1
1H,1H,2H,2H-Perfluorooctyliodide	2043-57-4
Perfluorohexylethyl acrylates or methacrylates	Several
Perfluorohexylethyl polymers	Several

Chemical Name	CAS Number
Perfluorooctanoic acid related substances	Several
Methyl perfluorooctanoate	376-27-2
Ethyl perfluorooctanoate	3108-24-5
Perfluorooctylethyl alcohols	Several
8:2 Fluorotelomer alcohols (8:2 FTOH)	678-39-7
Perfluorooctylethyl olefins	Several
Perfluorooctylethene	21652-58-4
Perfluorooctylethyl halides	Several
Heptadecafluoro-1-iodooctane	507-63-1
1H,1H,2H,2H-Perfluorodecyliodide	2043-53-0
Pentadecafluorooctyl fluoride	335-66-0
Perfluorooctylethyl acrylate or methacrylate	Several
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester	1996-88-9
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester	27905-45-9
Perfluorooctylethyl polymers	Several
Perfluorocarboxylic acid (C9-C14) related substances	Several
Perfluorododecylethanol	39239-77-5
Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heneicosafluoro-12-iodo-	2043-54-1
2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester	2144-54-9
2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluorododecyl ester	17741-60-5
Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-14-iodo-	30046-31-2
Perfluorodecanoic acid related substances	Several
10:2 Fluorotelomer alcohol - (10:2 FTOH)	865-86-1

Chemical Name	CAS Number
Perfluoroalkyl compounds, branched	Several
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	Several
2,3,3,3-tetrafluoro-2-(heptafluoro-propoxy) propionic acid	13252-13-6
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoro-propoxy) propionate	67118-55-2
Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	62037-80-3
2,3,3,3-tetrafluoro-2-(heptafluoro-propoxy) propionyl fluoride	2062-98-8

Chemical Name	CAS Number
Tin-organic Compounds	
Butyltin compounds	Several
Monobutyltin compounds - (MBT)	Several
Monobutyltin tris(ethylhexanoate)	23850-94-4
Dibutyltin compounds - (DBT)	Several
Dibutyltin bis(acetylacetonate)	22673-19-4
Dibutyltin bis(2-ethylhexanoate)	2781-10-4
Dibutyltin di(acetate)	1067-33-0
Dibutyltin dichloride	683-18-1
Tributyltin compounds - (TBT)	Several
Bis(tributyltin) oxide	56-35-9
Octyltin compounds	Several
Dioctyltin compounds - (DOT)	Several
Dioctyltin dilaurate	3648-18-8
Stannane, dioctyl-, bis(coco acyloxy) derivs.	91648-39-4