

# bluesign<sup>®</sup> system black limits (BSBL)

## Threshold limit values for chemical substances in chemical products

Version 4.0 | 01 July 2022





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## 1 Introduction

The bluesign® system black limits (BSBL) specify threshold limits for chemical substances in chemical products such as auxiliaries or dyes. All chemical substances regulated under the bluesign® SYSTEM are managed via the bluesign® TOOL - the web-based software application for chemical assessment and rating. The compilation of substances in the BSBL is an extract of the bluesign® TOOL and includes mainly all substances from the publicly available bluesign® system substances list (BSSL) Consumer safety limits, for which a usage ban in articles 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.

Some substances of very high concern (SVHC, according to EU definition) are mentioned in the BSBL directly with limits which can be lower than the EU defined limit of declaration, which is 1000 ppm. For all SVHCs not directly listed in the BSBL, a threshold limit of 1000 ppm is fixed.

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. Independent from this, the bluesign® TOOL calculates individual limits considering process and application conditions which can lead to even more stringent limits.

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 delivered 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 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 registry numbers are unique numerical identifiers for chemical elements, compounds, polymers, biological sequences, mixtures and 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 number.

### 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

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

## 2.12 Sector of Use

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

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

## 2.13 Several

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

## 2.14 Substance Groups

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

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

## 2.15 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. This is only one part of the evaluation, the bluesign® TOOL calculates individual limits considering process and application conditions with can lead to even more stringent limits.

### 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 product 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 obtained. Robustness of the method shall be given.

## 4 SVHC

For all substances of very high concern (SVHC; Candidate List in accordance with Article 59(10) of the REACH Regulation) not included directly in this list a reporting limit of 100 mg/kg is valid.

## 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 4.0 comes into force on 01 July 2022. It replaces the bluesign® system black limits (BSBL), version 3.0 from 01 July 2021.

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

For all bluesign® SYSTEM PARTNERS the implementation of the revised sections, unless stated otherwise, shall take place by 01 July 2023 at the latest.



## 6 Threshold Limit Values

This chapter informs on threshold limits for chemical substances in chemical products.

### Restrictions and Bans for PFAS based Chemicals and Articles

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

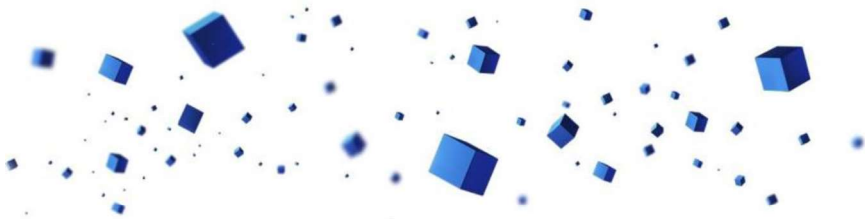
Analytical proof that PFAS chemicals are not used intentionally: Combustion ion chromatography (Quantification Limit: 50 mg/kg).

Annex I lists individual substances that belong to substance groups.

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 here. The reason is that BSBL contains only substances of very high concern regarding people and environment and follows a precautionary hazard-based approach. ETAD restricts also metals only for other reasons, for example iron. 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
<b>Aldehydes</b>							
Acrolein	107-02-8	All	Usage ban	50	mg/kg	LC-MS	
Acetaldehyde	75-07-0	All	Usage ban	500	mg/kg		
Glutaraldehyde	111-30-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	1000	mg/kg		
		Leather	Monitoring	1000	mg/kg		
<b>Alkylphenoethoxylates (APEOs)</b>							
<b><i>Nonylphenol ethoxylates (NPEO)</i></b>	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.
<b><i>Octylphenol ethoxylates (OPEO)</i></b>	Several	All	Usage ban	100	mg/kg		
<b>Alkylphenols (APs)</b>							
4-tert-Butylphenol	98-54-4	All	Usage ban	100	mg/kg	According to ISO 21084 (2019)	For sum of all allocated Members/Substances. Single Members/Substances listed in Annex.
p-(1,1-Dimethylpropyl) phenol	80-46-6	All	Usage ban	100	mg/kg		
<b><i>4-Heptylphenol branched and linear</i></b>	Several	All	Usage ban	100	mg/kg		
<b><i>Nonylphenol (NP) mixed isomers</i></b>	Several	All	Usage ban	100	mg/kg		
<b><i>Octylphenol (OP) mixed isomers</i></b>	Several	All	Usage ban	100	mg/kg		
<b><i>Dodecylphenol mixed isomers</i></b>	27193-86-8	All	Usage ban	100	mg/kg		
<b><i>Tris(4-nonylphenyl, branched and linear) phosphite</i></b>	Several	All	Usage ban	100	mg/kg		

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



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Arylamines</b>							
<b>Arylamines</b>	Several	All	Usage ban				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.)
<i>p</i> -Aminoazobenzene 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.
<i>o</i> -Aminoazotoluene and its salts	Several	All	Usage ban	150	mg/kg		
4-Aminobiphenyl and its salts	Several	All	Usage ban	150	mg/kg		
6-Amino-2-ethoxynaphthalene and its salts	Several	All	Usage ban	150	mg/kg		
4-Amino-3-fluorophenol and its salts	Several	All	Usage ban	150	mg/kg		
<b>Anisidines and its salts</b>	Several						
2-Anisidine 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.
<b>Benzidines and its salts</b>	Several						
Benzidine 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.
3,3'-Dimethylbenzidine and its salts	Several	All	Usage ban	150	mg/kg		
3,3'-Dichlorobenzidine and its salts - with the exception of those specified elsewhere	Several	All	Usage ban	150	mg/kg		

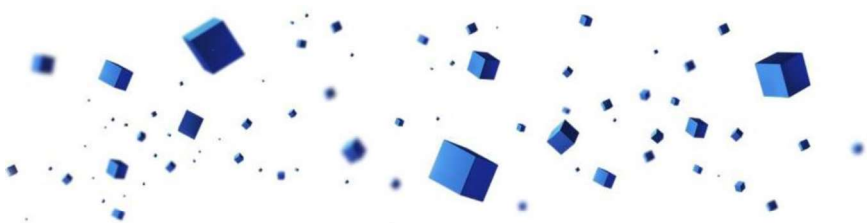
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Arylamines</b>							
<i>o</i> -Dianisidines and its salts - with the exception of those specified elsewhere	Several	All	Usage ban	150	mg/kg	LC-MS // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017) LC-DAD // with reference to EN ISO 14362-1 (2017) and EN ISO 14362-3 (2017)	Goal: 100 mg/kg. Single Substances listed in Annex.
4-Chloroaniline and its salts	Several	All	Usage ban	150	mg/kg		
2,4-Diaminoanisole and its salts	Several	All	Usage ban	150	mg/kg		
4,4'-Diaminodiphenylmethane and its salts	Several	All	Usage ban	150	mg/kg		
2,4-Diaminotoluene and its salts	Several	All	Usage ban	150	mg/kg		
4,4'-Methylenebis-(2-chloraniline) and its salts	Several	All	Usage ban	150	mg/kg		
2-Naphthylamine and its salts	Several	All	Usage ban	150	mg/kg		
<b>Dianilines and its salts</b>	Several						
4,4'-Thiodianiline 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'-Oxydianiline and its salts - with the exception of those specified elsewhere	Several	All	Usage ban	150	mg/kg		
<b>Toluidines and its salts</b>	Several						
<i>p</i> -Cresidine 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.
<i>m</i> -Toluidine and its salts	Several	All	Usage ban	150	mg/kg		
<i>o</i> -Toluidine and its salts	Several	All	Usage ban	150	mg/kg		
<i>p</i> -Toluidine and its salts	Several	All	Usage ban	150	mg/kg		
4,4'-Methylenedi- <i>o</i> -toluidine and its salts	Several	All	Usage ban	150	mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Arylamines</b>							
<b>Nitrotoluidines and its salts</b>	Several						
<i>2-Amino-4-nitrotoluene and its salts</i>	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.
<b>Chlorotoluidines and its salts</b>	Several						
<i>4-Chloro-2-toluidine and its salts</i>	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.
<b>Xylidines and its salts</b>	Several						
<i>2,4-Xylidine and its salts</i>	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.
<i>2,6-Xylidine and its salts</i>	Several	All	Usage ban	150	mg/kg		
<b>Trimethylanilines and its salts</b>	Several						
<i>2,4,5-Trimethylaniline and its salts</i>	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.

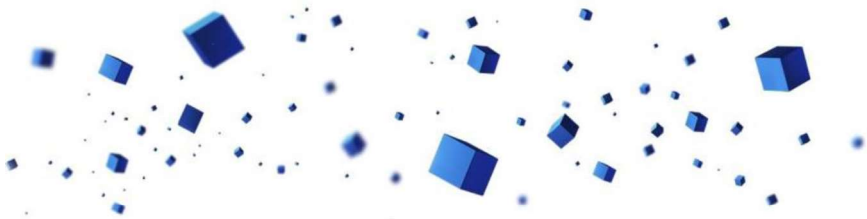
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Biocides</b>							
2-Chloroacetamide	79-07-2	All	Usage ban	10	mg/kg	GC-MS	
<b>Chlorinated and non-chlorinated isothiazolinone-derivatives</b>	Several	All	Usage ban			LC-MS	Usage ban for every allocated Member/Substance.
Dichlorooctyl isothiazolinone (DCOIT)	64359-81-5	All	Usage ban	100	mg/kg	LC-MS/MS	
Dichlorophen	97-23-4	All	Usage ban	10	mg/kg	LC-MS	
Dimethylfumarate	624-49-7	All	Usage ban	10	mg/kg	ISO 16186 (2021)	
N-Methylol-chloroacetamide	2832-19-1	All	Usage ban	100	mg/kg	GC-MS	
Permethrin	52645-53-1	All	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.
<b>o-Phenylphenol and its salts</b>	Several	Textiles	Usage restriction	5000	mg/kg	DIN 50009 (2021)	
o-Phenylphenol	90-43-7						
Sodium 2-biphenylate	132-27-4						
Pyrithione zinc	13463-41-7	All	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	All	Usage ban	10	mg/kg	GC-MS	

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Chlorinated Benzenes and Toluenes</b>							
<b>Chlorinated benzenes and toluenes</b>	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.
<b>Chlorinated benzenes</b>	Several						
Monochlorobenzene	108-90-7	All	Usage ban	10	mg/kg	GC-MS // with reference to EN 17137 (2019)	Goal: 5 mg/kg.
<i>Dichlorobenzenes all isomers</i>	Several	All	Usage ban				Single substances listed in Annex.
<i>Trichlorobenzenes all isomers</i>	Several	All	Usage ban				
<i>Tetrachlorobenzenes all isomers</i>	Several	All	Usage ban				
<b>Chlorinated toluenes</b>	Several						
<i>Monochlorotoluenes all isomers</i>	Several	All	Usage ban			GC-MS // with reference to EN 17137 (2019)	Single substances listed in Annex.
<i>Dichlorotoluenes all isomers</i>	Several	All	Usage ban				
<i>Trichlorotoluenes all isomers</i>	Several	All	Usage ban				
<i>Tetrachlorotoluenes all isomers</i>	Several	All	Usage ban				
Pentachlorotoluene	877-11-2	All	Usage ban	10	mg/kg		Goal: 5 mg/kg.
Chlorotoluene unspecific mixture	25168-05-2	All	Usage ban	10	mg/kg		

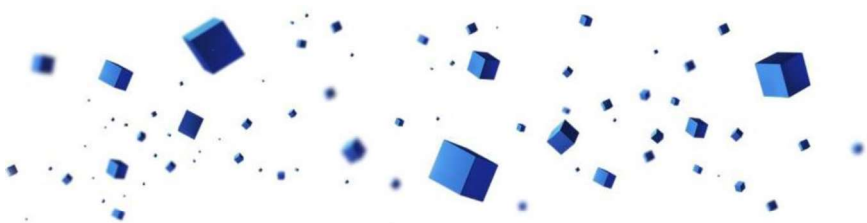




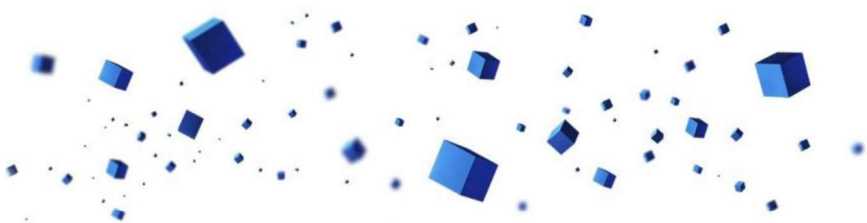
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment	
<b>Chlorinated Phenols</b>								
<b>Mono- and dichlorophenols</b>	Several	All	Usage ban	10	mg/kg	DIN 50009 (2021)	For sum of all allocated Members/Substances. Additionally for every allocated Member/Substance 5 mg/kg is valid.	
<i>Monochlorophenols all isomers</i>	25167-80-0							
2-Chlorophenol	95-57-8	All	Usage ban	5	mg/kg	DIN 50009 (2021)		
3-Chlorophenol	108-43-0	All	Usage ban	5	mg/kg			
4-Chlorophenol	106-48-9	All	Usage ban	5	mg/kg			
<i>Dichlorophenols all isomers</i>	25167-81-1							
2,3-Dichlorophenol	576-24-9	All	Usage ban	5	mg/kg	DIN 50009 (2021)		
2,4-Dichlorophenol	120-83-2	All	Usage ban	5	mg/kg			
2,5-Dichlorophenol	583-78-8	All	Usage ban	5	mg/kg			
2,6-Dichlorophenol	87-65-0	All	Usage ban	5	mg/kg			
3,4-Dichlorophenol	95-77-2	All	Usage ban	5	mg/kg			
3,5-Dichlorophenol	591-35-5	All	Usage ban	5	mg/kg			
<i>Trichlorophenol all isomers</i>	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	All	Usage ban	5	mg/kg			
2,3,5-Trichlorophenol	933-78-8	All	Usage ban	5	mg/kg			
2,3,6-Trichlorophenol	933-75-5	All	Usage ban	5	mg/kg			
2,4,5-Trichlorophenol	95-95-4	All	Usage ban	5	mg/kg			



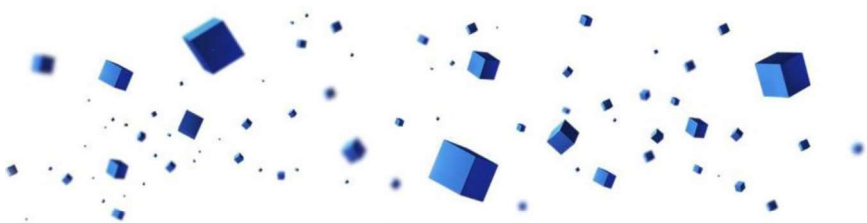
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Chlorinated Phenols</b>							
2,4,6-Trichlorophenol	88-06-2	All	Usage ban	5	mg/kg	DIN 50009 (2021)	
3,4,5-Trichlorophenol	609-19-8	All	Usage ban	5	mg/kg		
<i>Tetrachlorophenol its salts and compounds</i>	25167-83-3	All	Usage ban	5	mg/kg		For sum of all allocated Members/Substances. Additionally for every allocated Member/Substance 5 mg/kg is valid.
2,3,4,5-Tetrachlorophenol	4901-51-3	All	Usage ban	5	mg/kg		
2,3,4,6-Tetrachlorophenol	58-90-2	All	Usage ban	5	mg/kg		
2,3,5,6-Tetrachlorophenol	935-95-5	All	Usage ban	5	mg/kg		
<i>Pentachlorophenol its salts, esters and compounds</i>	Several	All	Usage ban	5	mg/kg		For sum of all allocated Members/Substances.
Pentachlorophenol	87-86-5						



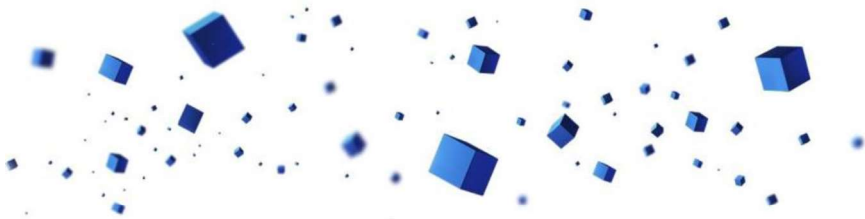
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment	
<b>Colorants</b>								
<b>Colorants with carcinogenic potential</b>	Several	All	Usage ban			LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)	200 mg/kg for every allocated Member/Substance.	
Acid Red 26	3761-53-3	All	Usage ban	200	mg/kg			
<i>Basic Green 4 (Malachite Green)</i>	Several	All	Usage ban	200	mg/kg		For sum of all allocated Members/Substances.	
Malachite Green	10309-95-2							
Malachite Green chloride	569-64-2							
Malachite Green oxalate	2437-29-8							
Leucomalachite Green	129-73-7	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)		
Basic Red 9	569-61-9	All	Usage ban	200	mg/kg			
Basic Violet 14	632-99-5	All	Usage ban	200	mg/kg			
Direct Black 38	1937-37-7	All	Usage ban	200	mg/kg			
Direct Blue 6	2602-46-2	All	Usage ban	200	mg/kg			
Direct Brown 95	16071-86-6	All	Usage ban	200	mg/kg			
Direct Red 28	573-58-0	All	Usage ban	200	mg/kg			
Disperse Blue 1	2475-45-8	All	Usage ban	200	mg/kg			
Disperse Orange 11	82-28-0	All	Usage ban	200	mg/kg			
Disperse Yellow 3	2832-40-8	All	Usage ban	200	mg/kg			
Pigment Yellow 34	1344-37-2	All	Usage ban	200	mg/kg			
Pigment Red 104	12656-85-8	All	Usage ban	200	mg/kg			
Solvent Red 80	6358-53-8	All	Usage ban	200	mg/kg			



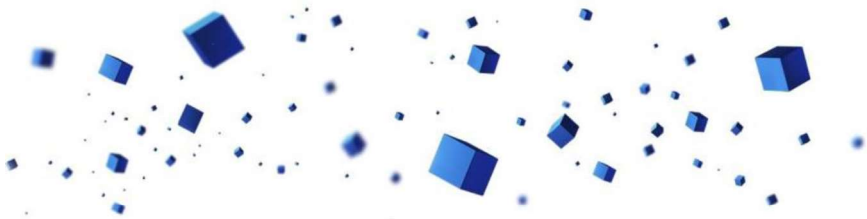
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Colorants</b>							
Solvent Violet 8 with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	561-41-1	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)	200 mg/kg for every allocated Member/Substance.
Solvent Yellow 2	60-11-7	All	Usage ban	200	mg/kg		
<b>Colorants with allergenic potential</b>	Several	All	Usage ban				
Disperse Blue 3	2475-46-9	All	Usage ban	200	mg/kg		
Disperse Blue 7	3179-90-6	All	Usage ban	200	mg/kg		
Disperse Blue 26	3860-63-7	All	Usage ban	200	mg/kg		
<i>Disperse Blue 35</i>	Several	All	Usage ban	200	mg/kg		
Disperse Blue 35 [1]	12222-75-2						
Disperse Blue 35 [2]	56524-77-7						
Disperse Blue 35 B	56524-76-6						
Disperse Blue 102	12222-97-8	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)	
Disperse Blue 106	12223-01-7	All	Usage ban	200	mg/kg		
Disperse Blue 124	61951-51-7	All	Usage ban	200	mg/kg		
Disperse Brown 1	23355-64-8	All	Usage ban	200	mg/kg		
Disperse Orange 1	2581-69-3	All	Usage ban	200	mg/kg		
Disperse Orange 3	730-40-5	All	Usage ban	200	mg/kg		
<i>Disperse Orange 37/59/76</i>	Several	All	Usage ban	200	mg/kg		



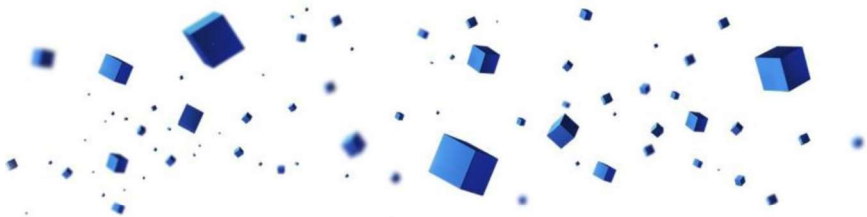
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment	
<b>Colorants</b>								
Disperse Orange 37/59/76 [1]	12223-33-5							
Disperse Orange 37/59/76 [2]	13301-61-6							
Disperse Orange 37/59/76 [3]	51811-42-8							
Disperse Red 1	2872-52-8	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)	200 mg/kg for every allocated Member/Substance.	
Disperse Red 11	2872-48-2	All	Usage ban	200	mg/kg			
Disperse Red 17	3179-89-3	All	Usage ban	200	mg/kg			
Disperse Yellow 1	119-15-3	All	Usage ban	200	mg/kg			
Disperse Yellow 9	6373-73-5	All	Usage ban	200	mg/kg			
Disperse Yellow 39	12236-29-2	All	Usage ban	200	mg/kg			
Disperse Yellow 49	54824-37-2	All	Usage ban	200	mg/kg			
Solvent Yellow 14	842-07-9	All	Usage ban	200	mg/kg			
<b>Colorants banned for other reasons</b>	Several	All	Usage ban					
Acid Orange 24	1320-07-6	All	Usage ban	200	mg/kg			
Acid Violet 49	1694-09-3	All	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	All	Usage ban	200	mg/kg			
Basic Violet 1	8004-87-3	All	Usage ban	200	mg/kg			
<i>Basic Violet 3</i>	Several	All	Usage ban	200	mg/kg			For sum of all allocated Members/Substances.



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Colorants</b>							
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 $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)	548-62-9						
Direct Black 91	6739-62-4	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)	
Direct Blue 76	16143-79-6	All	Usage ban	200	mg/kg		
Direct Blue 218	28407-37-6	All	Usage ban	200	mg/kg		
Direct Yellow 1	6472-91-9	All	Usage ban	200	mg/kg		
Disperse Yellow 23	6250-23-3	All	Usage ban	200	mg/kg		
Disperse Orange 149	85136-74-9	All	Usage ban	200	mg/kg		
<i>Navy Blue:</i> <i>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</i>	Several	All	Usage ban	200	mg/kg		



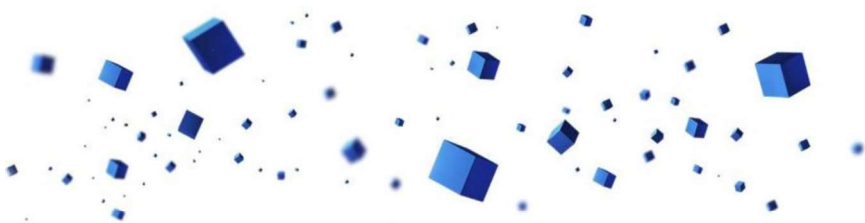
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Colorants</b>							
Disodium (6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtholato)chromate(1-)	118685-33-9						
Trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1-naphtholato)chromat							
Solvent Blue 4	6786-83-0	All	Usage ban	200	mg/kg	LC-MS // with reference to DIN 54231 (2005) LC-DAD // with reference to DIN 54231 (2005)	
<b>Colorants which can cleave in carcinogenic amines</b>	Several	All	Usage ban				200 mg/kg for every allocated Member/Substance. Single substances listed in Annex.



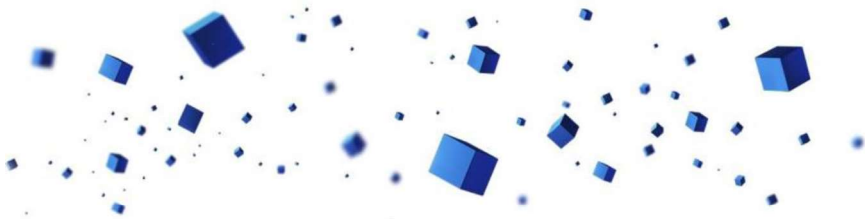
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Dioxins and Furans</b>							
<b><i>Dioxins and furans Group 1 and 2</i></b>	Several	All	Usage ban	5.0	µg/kg	With reference to EPA 8290A	For sum of traces of all allocated Members/Substances to Group 1 and 2. Single substances listed in Annex.
<i>Dioxins and furans Group 1</i>	Several	All	Usage ban	1.0	µg/kg		For sum of traces of all allocated Members/Substances to Group 1. Single substances listed in Annex.
<i>Dioxins and furans Group 3</i>	Several	All	Usage ban	95	µg/kg		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.
<b><i>Dioxins and furans Group 4 and 5</i></b>	Several	All	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.
<i>Dioxins and furans Group 4</i>	Several	All	Usage ban	1.0	µg/kg		For sum of traces of all allocated Members/Substances to Group 4. Single substances listed in Annex.
<b>Enzymes</b>							
<b><i>Enzymes, industrial</i></b>	Several	All	Usage ban				Usage ban only for enzyme formulations in powder form, limit: 1000 mg/kg (for sum of all). Test method: Quantification via input stream management. If required: Substance specific testing. Single Substances listed in Annex.



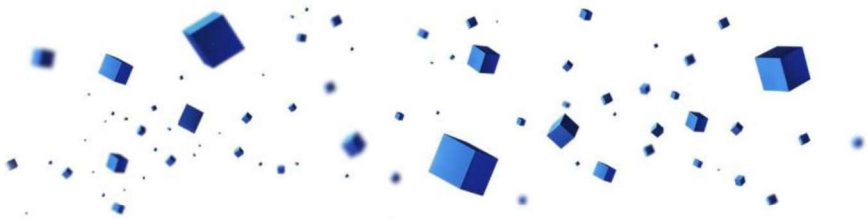
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment							
<b>Flame Retardants</b>														
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	All	Usage ban	50	mg/kg	LC-MS // with reference to EN ISO 17881-2 (2016)								
<b>Brominated alkyl alcohols</b>	Several													
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	All	Usage ban	50	mg/kg									
1-Propanol, 2,2-dimethyl-, tribromo deriv.	36483-57-5 1522-92-5	All	Usage ban	50	mg/kg									
<b>Chlorinated paraffins all chain lengths</b>	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.							
		Leather	Usage ban				Usage ban 250 mg/kg for every allocated group.							
<i>Paraffin wax, chlorinated</i>	63449-39-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg		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)	Single substances (not concluded) listed in Annex.						
		Leather	Usage ban	250	mg/kg									
<i>Paraffin, C10-C13, chlorinated (SCCP)</i>	85535-84-8	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg				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)	Single substances (not concluded) listed in Annex.				
		Leather	Usage ban	250	mg/kg									
<i>Paraffin, C14-C17, chlorinated (MCCP)</i>	85535-85-9	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg						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)	Single substances (not concluded) listed in Annex.		
		Leather	Usage ban	250	mg/kg									
<i>Paraffin, C18-C28, chlorinated (LCCP)</i>	85535-86-0	Textiles Down/feather Polymer parts Metal parts	Usage ban	50	mg/kg								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)	Single substances (not concluded) listed in Annex.
		Leather	Usage ban	250	mg/kg									



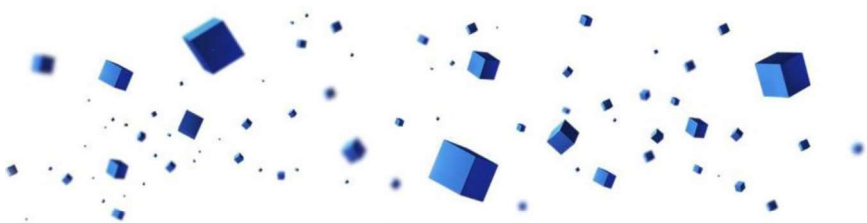
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Flame Retardants</b>							
<b>Hexabromocyclododecan all isomers - group for all major diastereoisomers identified</b>	Several	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
<b>Polybrominated diphenyl ethanes</b>	Several						
Decabromodiphenylethane (DBDPE)	84852-53-9	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	Usage ban 50 mg/kg for every allocated Substance or group. For sum of all allocated Members/Substances.
<b>Polybrominated diphenyl ethers</b>	Several	All	Usage ban				
Monobromodiphenyl ether (MonoBDE)	Several	All	Usage ban	50	mg/kg		
2-Bromodiphenyl ether	7025-06-1						
3-Bromodiphenyl ether	6876-00-2						
4-Bromodiphenyl ether	101-55-3						
<b>Tetrabromodiphenyl ether (TetraBDE)</b>	40088-47-9	All	Usage ban	50	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	
<b>Pentabromodiphenyl ether (PentaBDE)</b>	32534-81-9	All	Usage ban	50	mg/kg		
<b>Hexabromodiphenyl ether (HexaBDE)</b>	36483-60-0	All	Usage ban	50	mg/kg		
<b>Heptabromodiphenyl ether (HeptaBDE)</b>	68928-80-3	All	Usage ban	50	mg/kg		
<b>Octabromodiphenyl ether (OctaBDE)</b>	32536-52-0	All	Usage ban	50	mg/kg		
<b>Nonabromodiphenyl ether (NonaBDE)</b>	63936-56-1	All	Usage ban	50	mg/kg		
Decabromodiphenyl ether (DecaBDE)	1163-19-5	All	Usage ban	50	mg/kg		
Tetrabromobisphenol A (TBBP A)	79-94-7	All	Usage ban	50	mg/kg		
Tetrabromobisphenol A bis(2,3-dibromopropylether)	21850-44-2	All	Usage ban	50	mg/kg		



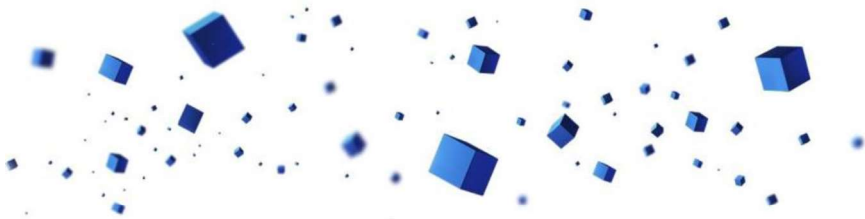
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Flame Retardants</b>							
Tri(aziridin-1-yl) phosphine oxide (TEPA)	545-55-1	All	Usage ban	50	mg/kg	LC-MS // with reference to EN ISO 17881-2 (2016)	
Trimethyl phosphate	512-56-1	All	Usage ban	50	mg/kg		
Tri-o-cresyl phosphate	78-30-8	All	Usage ban	50	mg/kg		
Tris(methylphenyl) phosphate	1330-78-5	All	Usage ban	50	mg/kg		
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	All	Usage ban	50	mg/kg		
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	All	Usage ban	50	mg/kg		
Tris-[2-chloro-1-(chloromethyl)ethyl] phosphate (TDCP or TDCPP)	13674-87-8	All	Usage ban	50	mg/kg		
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	All	Usage ban	50	mg/kg		
Trixylyl phosphate (TXP)	25155-23-1	All	Usage ban	50	mg/kg		



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Glycols</b>							
Bis(2-methoxyethyl) ether	111-96-6	All	Usage ban	50	mg/kg	LC-MS	
2-Ethoxyethanol	110-80-5	All	Usage ban	50	mg/kg		
2-Ethoxyethyl acetate	111-15-9	All	Usage ban	50	mg/kg		
Ethylene glycol dimethyl ether	110-71-4	All	Usage ban	50	mg/kg		
2-Methoxyethanol	109-86-4	All	Usage ban	50	mg/kg		
2-Methoxyethyl acetate	110-49-6	All	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	200	mg/kg		
Triethylene glycol dimethyl ether	112-49-2	All	Usage ban	50	mg/kg		
<b>Greenhouse Gases, fluorinated</b>							
<b>Greenhouse Gases, fluorinated</b>	Several	All	Usage ban			CEN/TS 13130-10 (2005)	Usage ban 10 mg/kg for every allocated Member/Substance. Single substances listed in Annex.

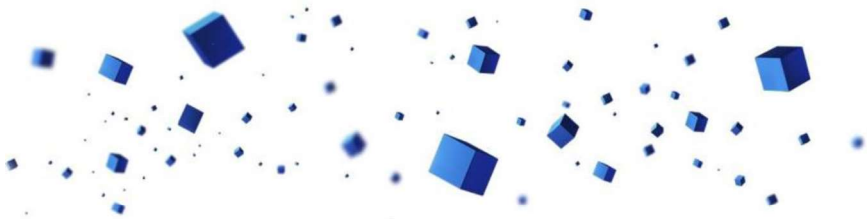


Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>							
<b>Polybrominated biphenyls</b>	59536-65-1	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 17881-1 (2016)	For sum of all polybrominated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



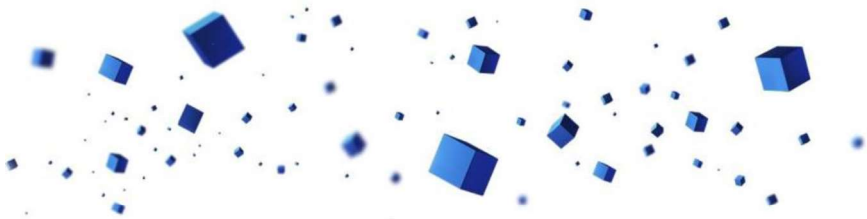
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Halogenated Diarylalkanes</b>							
<b>Halogenated diarylalkanes</b>	Several	All	Usage ban			GC-MS	Usage ban 10 mg/kg for every allocated Member/Substance.
<b><i>Monomethyl-dibromo-diphenyl methane</i></b>	99688-47-8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

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Metals</b>							
<b>Arsenic its salts and compounds</b>	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.
Arsenic	7440-38-2						
<b>Cadmium its salts and compounds</b>	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.
Cadmium	7440-43-9						
<b>Chromium VI its salts and compounds</b>	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.
Chromium VI	18540-29-9						
<b>Lead its salts and compounds</b>	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.
Lead	7439-92-1						
<b>Mercury its salts and compounds</b>	Several						
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.
Mercury	7439-97-6						



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Monomers</b>							
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	All	Usage ban	100	mg/kg	Headspace GC-MS // with reference to EN 13130-3 (2004)	
2-Chlorobuta-1,3-diene	126-99-8	All	Usage ban	100	mg/kg	Headspace GC-MS // with reference to BVL B 80.68-1	
Epichlorohydrin	106-89-8	All	Usage ban	100	mg/kg	LC-MS // with reference to CEN/TS 13130-20 (2005)	
N-Methylolacrylamide	924-42-5	All	Usage ban	100	mg/kg	LC-MS	
Vinyl chloride	75-01-4	All	Usage ban	100	mg/kg	GC-MS // with reference to ISO 6401 (2008)	
1-Vinylimidazole	1072-63-5	All	Usage ban	500	mg/kg	GC-MS	





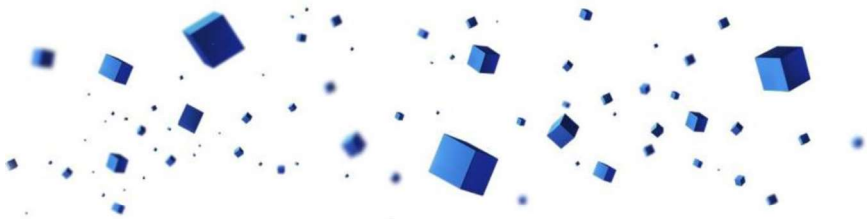
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Nitrosamines</b>							
<b>Nitrosamines</b>	Several	All	Usage ban			GC-MS // with reference to GB/T 24513 (2009) GC-MS // with reference to prEN 19577 (2019)	As substance and as reaction product from secondary amines 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	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-ethanolamine	1116-54-7	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-ethylamine	55-18-5	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-isopropylamine	601-77-4	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-methylamine	62-75-9	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-benzylamine	5336-53-8	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-isobutylamine	997-95-5	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-isononylamine	1207995-62-7	All	Usage ban	1.0	mg/kg		
N-Nitroso-di-n-propylamine	621-64-7	All	Usage ban	1.0	mg/kg		
N-Nitroso-ethylphenylamine	612-64-6	All	Usage ban	1.0	mg/kg		
N-Nitroso-methylphenylamine	614-00-6	All	Usage ban	1.0	mg/kg		
N-Nitrosomethyl-n-butylamine	7068-83-9	All	Usage ban	1.0	mg/kg		
N-Nitrosomethyl-n-propylamine	924-46-9	All	Usage ban	1.0	mg/kg		
N-Nitroso-morpholine	59-89-2	All	Usage ban	1.0	mg/kg		
N-Nitroso-piperidine	100-75-4	All	Usage ban	1.0	mg/kg		
N-Nitroso-pyrrolidine	930-55-2	All	Usage ban	1.0	mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Other Chemical Substances</b>							
Alkylnaphthalenes all derivatives		All	Usage ban	10	mg/kg	GC-MS	
Azobenzene	103-33-3	All	Usage ban	100	mg/kg	GC-MS LC-MS	
Benzyl chloride	100-44-7	All	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	All	Usage ban	10	mg/kg	GC-MS	
Bisphenol B	77-40-7	All	Usage ban	100	mg/kg		
<b>Boric acid and derivatives</b>	Several	All	Usage ban			ICP-OES // indirect testing via Boron (DL 100 mg/kg) ICP-MS // indirect testing via Boron (DL 100 mg/kg)	Usage ban 250 mg/kg for every allocated Substance or Group.
Borate, zinc salt	1332-07-6	All	Usage ban	250	mg/kg		
Boron zinc oxide	12767-90-7	All	Usage ban	250	mg/kg		
Boric acid	10043-35-3 11113-50-1	All	Usage ban	250	mg/kg		
Diboron trioxide	1303-86-2	All	Usage ban	250	mg/kg		
<i>Disodium tetraborate</i>	Several	All	Usage ban	250	mg/kg		
Disodium tetraborate, decahydrate	1303-96-4						
Disodium tetraborate, anhydrous	1330-43-4						
Disodium tetraborate, pentahydrate	12179-04-3						
<i>Disodium octaborate</i>	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						

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Other Chemical Substances</b>							
<i>Orthoboric acid, sodium salt</i>	13840-56-7 1333-73-9 25747-83-5	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)	
Boric acid, monosodium salt	14890-53-0						
Boric acid, disodium salt	22454-04-2						
Boric acid, trisodium salt	14312-40-4						
<i>Perboric acid, sodium salt</i>	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						
<i>Sodium perborate derivatives</i>	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						
Tetraboron disodium heptaoxide, hydrate	12267-73-1	All	Usage ban	1000	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
<b>Other Chemical Substances</b>							
2-Butanone oxime	96-29-7	All	Usage restriction	50	mg/kg	GC-MS	Limit valid for free content. Usage ban (also as blocking agent) planned for 2023.
4-tert-Butyltoluene	98-51-1	All	Usage ban	10	mg/kg		
<b>Cresol all isomers</b>	1319-77-3	All	Usage ban				Usage ban 100 mg/kg for every allocated Member/Substance.
o-Cresol	95-48-7	All	Usage ban	100	mg/kg		
m-Cresol	108-39-4	All	Usage ban	100	mg/kg		
p-Cresol	106-44-5	All	Usage ban	100	mg/kg		
1,3-Dichloro-2-propanol	96-23-1	All	Usage ban	100	mg/kg		
Dimethyl sulfate	77-78-1	All	Usage ban	100	mg/kg		
2,4-Dinitrotoluene	121-14-2	All	Usage ban	100	mg/kg		
1,4-Dioxane	123-91-1	All	Usage ban	1000	mg/kg		
Ethyleneimine	151-56-4	All	Usage ban	100	mg/kg		
Formaldehyde oligomeric reaction product with aniline	25214-70-4	All	Usage ban	20	mg/kg	LC-MS // indirect testing via Diaminodiphenylmethane	
Formamide	75-12-7	All	Usage ban	100	mg/kg	GC-MS	
<b>Hydrazine its salts and hydrates</b>	Several	All	Usage ban	10	mg/kg		
Hydrazine	302-01-2						
Isoquinoline	119-65-3	All	Usage ban	1000	mg/kg	LC-MS/MS LC-DAD	
2-Methylaziridine	75-55-8	All	Usage ban	10	mg/kg	GC-MS	

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Other Chemical Substances</b>							
<b>Nitropropane derivatives</b>	Several						
2-Nitropropane	79-46-9	All	Usage ban	100	mg/kg	GC-MS	
Potassium bromate	7758-01-2	All	Usage ban	100	mg/kg	IC	
Quinoline	91-22-5	All	Usage ban	1000	mg/kg	LC-MS/MS LC-DAD	
<b>Siloxanes</b>	Several	All	Usage ban			TEGEWA method	Usage ban 1000 mg/kg for every allocated Member/Substance.
D4-Siloxane (Octamethylcyclotetrasiloxane)	556-67-2	All	Usage ban	1000	mg/kg		
D5-Siloxane (Decamethylcyclopentasiloxane)	541-02-6	All	Usage ban	1000	mg/kg		
D6-Siloxane (Dodecamethylcyclohexasiloxane)	540-97-6	All	Usage ban	1000	mg/kg		
Sodium bromate	7789-38-0	All	Usage ban	100	mg/kg	IC	
<b>Terpene hydrocarbons</b>	Several	All	Usage ban			GC-MS	Usage ban 500 mg/kg for every allocated Member/Substance.
D-Limonene	5989-27-5	All	Usage ban	500	mg/kg		
DL-Limonene	138-86-3	All	Usage ban	500	mg/kg		
L-Limonene	5989-54-8	All	Usage ban	500	mg/kg		
Thiourea	62-56-6	All	Usage ban	1000	mg/kg	LC-MS	
Sodium borohydride	16940-66-2	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
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>							
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	Several	All	Usage ban	100	mg/kg	GC-MS	For sum of all allocated Ozone Depleting Substances (classes I and II).
<b>Ozone depleting substances (CFCs) class I</b>	Several	All	Usage ban				Usage ban 100 mg/kg for sum of all Ozone Depleting Substances (classes I and II). Single substances listed in Annex.
<b>Ozone depleting substances (CFCs) class II</b>	Several	All	Usage ban				

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment		
<b>Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA</b>									
<b>Perfluoroalkyl carboxylic acids and derivatives - PFCA</b>	Several	All	Usage ban				General usage ban for all PFCA chemicals. Exceptions only possible for chemical products, based on C6 chemistry, that are intended for essential use as defined in coming EU regulation. See also PFAS statement in section 6.		
<b>Perfluorocarboxylic acids and its salts</b>	Several	All	Usage ban	2000	µg/kg	LC-MS // (non-volatile) // GC-MS // (volatile)	For sum of all allocated Members/Substances.		
<i>Perfluorobutanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg		For sum of all Members/Substances.		
<i>Perfluorohexanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluoroheptanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluorooctanoic acid and its salts</i>	Several	All	Usage ban	25	µg/kg				
<i>Perfluorononanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluorodecanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluoroundecanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluorododecanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluorotridecanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<i>Perfluorotetradecanoic acid and its salts</i>	Several	All	Usage ban	2000	µg/kg				
<b>Perfluorohexanoic acid related substances</b>	Several	All	Usage ban	2000	mg/kg				
<b>Perfluorooctanoic acid related substances</b>	Several	All	Usage ban	1000	µg/kg				
<b>Perfluoroalkyl compounds, branched</b>	Several								
<i>2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides</i>	Several	All	Usage ban	2	mg/kg			LC-MS // (non-volatile) // GC-MS // (volatile)	For sum of all Members/Substances.

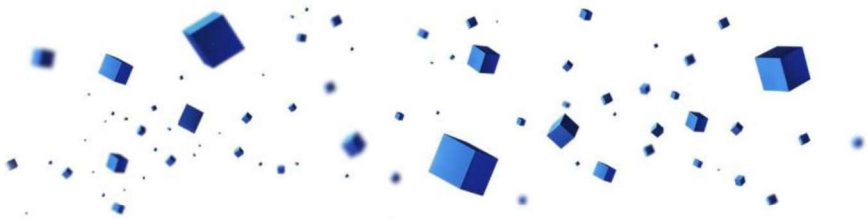
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment	
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>								
<b>Perfluoroalkyl sulfonic acids and derivatives - PFSA</b>	Several	All	Usage ban			LC-MS // (non-volatile) // GC-MS // (volatile)	General usage ban for all PFS chemicals. Exceptions only possible for chemical products, based on C6 chemistry, that are intended for essential use as defined in coming EU regulation. See also PFAS statement in section 6.	
<b>Perfluorobutane sulfonic acid and its derivatives</b>	Several	All	Usage ban				Usage ban for every allocated Member/Substance.	
<i>Perfluorobutane sulfonic acid and its salts</i>	Several	All	Usage ban	10	mg/kg	LC-MS // (non-volatile) // GC-MS // (volatile)	For sum of all allocated Members/Substances.	
<i>Perfluorobutane sulfon amides</i>	30334-69-1	All	Usage ban	500	mg/kg		For sum of all Members/Substances.	
<i>Perfluorobutane sulfon amido ethanols</i>	Several	All	Usage ban	150	mg/kg			
<i>Perfluorobutane sulfon amidoethyl (meth)acrylates</i>	Several	All	Usage ban	150	mg/kg			
<i>Perfluorobutane sulfon halides</i>	Several	All	Usage ban	150	mg/kg			
<i>Perfluorobutane sulfon polymers</i>	Several	All	Usage ban	150	mg/kg			
<b>Perfluorohexane sulfonic acid and its derivatives</b>	Several	All	Usage ban					Usage ban 100 µg/kg for every allocated group.
<i>Perfluorohexane sulphonic acid and its salts</i>	Several	All	Usage ban	100	µg/kg			For sum of all allocated Members/Substances. Single substances listed in Annex.
<i>Perfluorohexane sulfon amides</i>	Several	All	Usage ban	100	µg/kg			For sum of all Members/Substances. Single substances listed in Annex.
<i>Perfluorohexane sulfon amidoethanols</i>	Several	All	Usage ban	100	µg/kg			
<i>Perfluorohexane sulfon amidoethyl (meth)acrylates</i>	Several	All	Usage ban	100	µg/kg			
<i>Perfluorohexane sulfon halides</i>	Several	All	Usage ban	100	µg/kg			
<i>Perfluorohexane sulfon polymers</i>	Several	All	Usage ban	100	µg/kg			



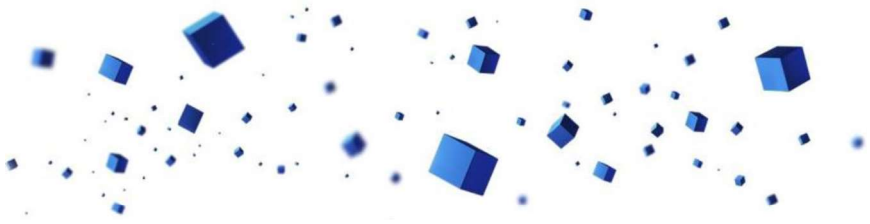
Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>							
<b>Perfluorooctane sulfonic acid and its derivatives</b>	Several	All	Usage ban			LC-MS // (non-volatile) // GC-MS // (volatile)	Usage ban 100 µg/kg for every allocated group.
<i>Perfluorooctane sulphonic acid and its salts</i>	Several	All	Usage ban	100	µg/kg		For sum of all allocated Members/Substances. Single substances listed in Annex.
<i>Perfluorooctane sulfon amides</i>	Several	All	Usage ban	100	µg/kg		For sum of all Members/Substances.
<i>Perfluorooctane sulfon amidoethanols</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluorooctane sulfon amidoethyl (meth)acrylates</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluorooctane sulfon halides</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluorooctane sulfon polymers</i>	Several	All	Usage ban	100	µg/kg		
<b>Perfluoroalkyl sulfonic acid and its derivatives F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</b>	Several	All	Usage ban				
<i>Perfluoroalkyl sulphonic acid and its salts F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</i>	Several	All	Usage ban	100	µg/kg		For sum of all Members/Substances.
<i>Perfluoroalkyl sulfon amides F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluoroalkyl sulfon amidoethanols F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluoroalkyl sulfon amidoethyl (meth)acrylates F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluoroalkyl sulfon halides F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</i>	Several	All	Usage ban	100	µg/kg		
<i>Perfluoroalkyl sulfon polymers F(CF<sub>2</sub>)<sub>n</sub> [n&gt;8]</i>	Several	All	Usage ban	100	µg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Plasticizers</b>							
<b>Phthalic acid esters</b>	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	All	Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, benzyl C7-9-branched and linear alkyl esters	68515-40-2	All	Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkylesters	68515-42-4	All	Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	All	Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	All	Usage ban	10	mg/kg		
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	Several	All	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						
Bis-(2-methoxyethyl) phthalate (DMEP)	117-82-8	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 14389 (2014)	
Butylbenzyl phthalate (BBP)	85-68-7	All	Usage ban	10	mg/kg		
Dimethyl phthalate (DMP)	131-11-3	All	Usage ban	10	mg/kg		
Diethyl phthalate (DEP)	84-66-2	All	Usage ban	10	mg/kg		
Dibutyl phthalate (DBP)	84-74-2	All	Usage ban	10	mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Plasticizers</b>							
Dinonyl phthalate (DNP)	84-76-4	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 14389 (2014)	
Diethylhexyl phthalate (DEHP)	117-81-7	All	Usage ban	10	mg/kg		
Di-iso-butyl phthalate (DIBP)	84-69-5	All	Usage ban	10	mg/kg		
Di-iso-pentyl phthalate (DIPP)	605-50-5	All	Usage ban	10	mg/kg		
Di-iso-hexyl phthalate (DIHxP)	71850-09-4	All	Usage ban	10	mg/kg		
Di-iso-octyl phthalate (DIOP)	27554-26-3	All	Usage ban	10	mg/kg		
<i>Di-iso-nonyl phthalate (DINP)</i>	Several	All	Usage ban	10	mg/kg		
Di-iso-nonyl phthalate polygas based	28553-12-0						
Di-iso-nonyl phthalate iso & n-Butene based	68515-48-0						
<i>Di-iso-decyl phthalate (DIDP)</i>	Several	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						
Di-n-propyl phthalate (DPRP)	131-16-8	All	Usage ban	10	mg/kg	GC-MS // with reference to EN ISO 14389 (2014)	
Di-n-pentyl phthalate (DnPP)	131-18-0	All	Usage ban	10	mg/kg		
Di-n-hexyl phthalate (DnHP)	84-75-3	All	Usage ban	10	mg/kg		
Di-n-octyl phthalate (DnOP)	117-84-0	All	Usage ban	10	mg/kg		
Di-cyclohexyl phthalate (DCHP)	84-61-7	All	Usage ban	10	mg/kg		
n-Pentyl-isopentyl phthalate	776297-69-9	All	Usage ban	10	mg/kg		



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Polyaromatic Hydrocarbons (PAHs)</b>							
<b>Polyaromatic hydrocarbons (PAHs)</b>	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	All	Usage ban	1	mg/kg		
Benzo(e)pyrene	192-97-2	All	Usage ban	5	mg/kg		
Benzo(a)anthracene	56-55-3	All	Usage ban	5	mg/kg		
Benzo(b)fluoroanthene	205-99-2	All	Usage ban	5	mg/kg		
Benzo(j)fluoroanthene	205-82-3	All	Usage ban	5	mg/kg		
Benzo(k)fluoroanthene	207-08-9	All	Usage ban	5	mg/kg		
Chrysene	218-01-9	All	Usage ban	5	mg/kg		
Dibenzo(a,h)anthrene	53-70-3	All	Usage ban	5	mg/kg		
Dibenzo[def,p]chrysene	191-30-0	All	Usage ban	10	mg/kg		
Acenaphthene	83-32-9						
Acenaphthylene	208-96-8						
Anthracene	120-12-7						
Benzo[rs]t]pentaphene	189-55-9						
Benzo(ghi)perylene	191-24-2						
Cyclopenta[c,d]pyrene	27208-37-3						
Fluoranthene	206-44-0						
Fluorene	86-73-7						



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Polyaromatic Hydrocarbons (PAHs)</b>							
Indeno(1,2,3-cd)pyrene	193-39-5						
Naphthalene	91-20-3						
Phenanthrene	85-01-8						
Pyrene	129-00-0						
Methylpyrene, 1-	2381-21-7						
Naphtho[1,2,3,4-def]chrysene	192-65-4						
Dibenzo[b,def]chrysene	189-64-0						
<b>Polymers</b>							
Polyvinyl chloride	9002-86-2	All	Usage ban	500	mg/kg	FTIR // Beilstein test	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	All	Usage ban	500	mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Solvents</b>							
Benzene	71-43-2	All	Usage ban	50	mg/kg	GC-MS	
<b>Chlorinated ethanes all isomers</b>	Several	All	Usage ban				Usage ban 10 mg/kg for every allocated Member/Substance.
1,1,1-Trichloroethane	71-55-6	All	Usage ban	10	mg/kg		Is an Ozone Depleting Substance.
1,1,2-Trichloroethane	79-00-5	All	Usage ban	10	mg/kg		
1,1,1,2-Tetrachloroethane	630-20-6	All	Usage ban	10	mg/kg		
1,1,2,2-Tetrachloroethane	79-34-5	All	Usage ban	10	mg/kg		
Pentachloroethane	76-01-7	All	Usage ban	10	mg/kg		
Hexachloroethane	67-72-1	All	Usage ban	10	mg/kg		
1,2-Dichloroethane	107-06-2	All	Usage ban	5	mg/kg		
Dichloromethane	75-09-2	All	Usage ban	5	mg/kg		Exception is valid for chemicals used in paint stripping process in closed systems.
Hexachlorobutadiene	87-68-3	All	Usage ban	100	mg/kg		
2-Pyrrolidone	616-45-5	All	Monitoring	500	mg/kg		GC-MS // with reference to CEN ISO/TS 16189 (2013)
N-Ethyl-2-pyrrolidone (NEP)	2687-91-4	All	Usage ban	50	mg/kg		
N-Methylpyrrolidone (NMP)	872-50-4	All	Usage ban	50	mg/kg		
N,N-Dimethylacetamide (DMAc)	127-19-5	All	Usage ban	50	mg/kg		
N,N-Dimethylformamide (DMF)	68-12-2	All	Usage ban	50	mg/kg	Exception for chemicals for fiber manufacturing, solvent coating and laminating. See also: bluesign® Guidance Sheet CMR-Solvent Management.	

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Solvents</b>							
Tetrachloroethylene	127-18-4	All	Usage ban	5	mg/kg	GC-MS	Exception is valid for chemicals used for dry cleaning in closed systems.
Toluene	108-88-3	All	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	All	Usage ban	40	mg/kg		
Trichloromethane	67-66-3	All	Usage ban	100	mg/kg		
1,2,3-Trichloropropane	96-18-4	All	Usage ban	5	mg/kg		
<b>Xylene all isomers</b>	1330-20-7	All	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
<b>Substances with Usage Restrictions but no Consumer Safety Limits</b>							
Bis(chloromethyl)ether	542-88-1	All	Usage ban	10	mg/kg	GC-MS	
1,3-Butadiene	106-99-0	All	Usage ban	100	mg/kg	GC-MS // with reference to EN 13130-4 (2004)	
<b>Di (hydrogenated tallow alkyl) dimethyl ammonium chloride</b>	61789-80-8	All	Usage ban	200	mg/kg	LC	
<b>Distearyl dimethyl ammonium chloride</b>	107-64-2	All	Usage ban	200	mg/kg		
<b>Ditallow dimethyl ammonium chloride</b>	68783-78-8	All	Usage ban	200	mg/kg		
<b>EDTA/DTPA and its salts</b>	Several	All	Usage restriction			GC-MS // with reference to EN ISO 16588 (2004)	Minimization requirement is valid for all uses with exception of use as water softener for freshwater preparation and use in textile auxiliaries. For these specific uses, usage ban is valid. Usage ban 1000 mg/kg for every allocated Member/Substance.
Ethylenediaminetetraacetic acid dipotassium salt	2001-94-7 25102-12-9	All	Usage restriction	1000	mg/kg		Minimization requirement is valid for all uses with exception of use as water softener for freshwater preparation and use in textile auxiliaries. For these specific uses, usage ban is valid.
Ethylene diamine tetraacetic acid (EDTA), tetrasodium salt	64-02-8 10378-23-1	All	Usage restriction	1000	mg/kg		
Trisodium hydrogen ethylenediaminetetraacetate	150-38-9	All	Usage restriction	1000	mg/kg		
Ethylene diamine tetraacetic acid (EDTA), disodium salt	6381-92-6 139-33-3	All	Usage restriction	1000	mg/kg		
Diethylene triamine pentaacetic acid (DTPA), sodium salt	140-01-2	All	Usage restriction	1000	mg/kg		
Ethylene oxide	75-21-8	All	Usage ban	100	mg/kg	Headspace GC-FID // with reference to CEN/TS 13130-22 (2005)	
Propylene oxide	75-56-9	All	Usage ban	100	mg/kg		



Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Substances with Usage Restrictions but no Consumer Safety Limits</b>							
<b>Hypochlorite / chlorine</b>	Several	All	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	All	Usage ban	100	mg/kg		Several exceptions are valid (see also Guidance sheet). Verification via input stream management.
Sodium hypochlorite	7681-52-9	All	Usage ban	100	mg/kg		
Chlorine	7782-50-5	All	Usage ban	100	mg/kg		
Sodium chlorite	7758-19-2	All	Usage ban	100	mg/kg		Exception is valid for chemicals for manufacturing of extra white synthetics for home textiles. Verification via input stream management.
<b>Phosphonates and salts</b>	Several	All	Usage restriction				Minimization requirement is valid for all uses with exception of use as water softener for freshwater preparation. For these specific uses, usage ban is valid. Usage ban 1000 mg/kg for every allocated Member/Substance. Verification via input stream management.
Amino, tris(methylene phosphonic acid)	6419-19-8	All	Usage restriction	1000	mg/kg		Minimization requirement is valid for all uses with exception of use as water softener for freshwater preparation. For this specific use, usage ban is valid. Verification via input stream management.
Diethylenetriaminepenta(methylene phosphonic acid)	15827-60-8	All	Usage restriction	1000	mg/kg		
Ethylenediaminetetra(methylene phosphonic acid)	1429-50-1	All	Usage restriction	1000	mg/kg		
1-Hydroxyethane-1,1-diphosphonic acid	2809-21-4	All	Usage restriction	1000	mg/kg		
Potassium permanganate	7722-64-7	All	Usage ban	1000	mg/kg		Verification via input stream management.

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Tin-Organic Compounds</b>							
<b>Methyltin compounds</b>	Several						
<i>Monomethyltin compounds (MMT)</i>	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<i>Dimethyltin compounds (DMT)</i>	Several	All	Usage ban	1	mg/kg		
<i>Trimethyltin compounds (TMT)</i>	Several	All	Usage ban	1	mg/kg		
<b>Butyltin compounds</b>	Several						
<i>Monobutyltin compounds (MBT)</i>	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<i>Dibutyltin compounds (DBT)</i>	Several	All	Usage ban	5	mg/kg		
<i>Tributyltin compounds (TBT)</i>	Several	All	Usage ban	1	mg/kg		
<i>Tetrabutyltin compounds (TeBT)</i>	Several	All	Usage ban	1	mg/kg		
<b>Ethyltin compounds</b>	Several						
<i>Tetraethyltin compounds (TeET)</i>	Several	All	Usage ban	1	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<b>Hexyltin compounds</b>	Several						
<i>Tricyclohexyltin compounds (TCyHT)</i>	Several	All	Usage ban	1	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<b>Octyltin compounds</b>	Several						
<i>Monooctyltin compounds (MOT)</i>	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<i>Diocyltin compounds (DOT)</i>	Several	All	Usage ban	5	mg/kg		
<i>Triocyltin compounds (TOT)</i>	Several	All	Usage ban	1	mg/kg		
<i>Tetraoctyltin compounds (TeOT)</i>	Several	All	Usage ban	1	mg/kg		

Chemical Name	CAS Number	Sector of Use	Limit Type	Value	Unit	Test Method	Comment
<b>Tin-Organic Compounds</b>							
<b>Phenyltin compounds</b>	Several						
<i>Monophenyltin compounds (MPhT)</i>	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<i>Diphenyltin compounds (DPhT)</i>	Several	All	Usage ban	5	mg/kg		
<i>Triphenyltin compounds (TPhT)</i>	Several	All	Usage ban	1	mg/kg		
<b>Propyltin compounds</b>	Several						
<i>Dipropyltin compounds (DPT)</i>	Several	All	Usage ban	5	mg/kg	GC-MS // with reference to CEN ISO/TS 16179 (2012)	For sum of all Members/Substances.
<i>Tripropyltin compounds (TPT)</i>	Several	All	Usage ban	1	mg/kg		
<b>UV Stabilizers</b>							
UV-320	3846-71-7	All	Usage ban	300	mg/kg	GC-MS	
UV-327	3864-99-1	All	Usage ban	300	mg/kg		
UV-328	25973-55-1	All	Usage ban	300	mg/kg		
UV-350	36437-37-3	All	Usage ban	300	mg/kg		



## Annex I Compilation of Individual Substances

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

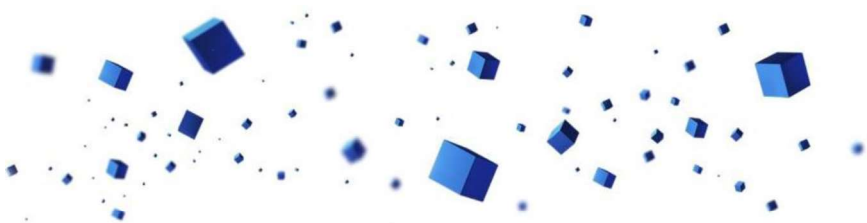
- Alkylphenoethoxylates (APEOs)
- Alkylphenols (APs)
- Arylamines
- Chlorinated Benzenes and Toluenes
- Colorants
- Dioxins and Furans
- Enzymes, industrial
- Flame Retardants
- Greenhouse Gases, fluorinated
- Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes
- Metals
- Other Chemical Substances
- Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)
- Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA
- Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA
- Tin-Organic Compounds

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

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

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

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



Chemical Name	CAS Number
<b>Alkylphenoethoxylates (APEOs)</b>	
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-Octaoxaheptacosan- 1-ol	14409-72-4
<i>4-Nonylphenol, branched, ethoxylated</i>	127087-87-0
4-Nonylphenol, branched, ethoxylated 1 - 2.5 EO	127087-87-0
4-Nonylphenol, branched, ethoxylated ≥ 2.5 - < 5 EO	127087-87-0

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

Chemical Name	CAS Number
<b>Alkylphenoethoxylates (APEOs)</b>	
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
<b><i>Octylphenol ethoxylates (OPEO)</i></b>	Several
<i>Octylphenol branched, ethoxylated</i>	68987-90-6
Octylphenol branched, ethoxylated 9.5 EO	68987-90-6
<i>tert-Octylphenol, ethoxylated</i>	9036-19-5
tert-Octylphenol, ethoxylated ≥ 2.5 - < 5 EO	9036-19-5

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

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

Chemical Name	CAS Number
<b>Alkylphenols (APs)</b>	
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
<b>Octylphenol (OP) mixed isomers</b>	Several
Octylphenol	27193-28-8

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

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



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

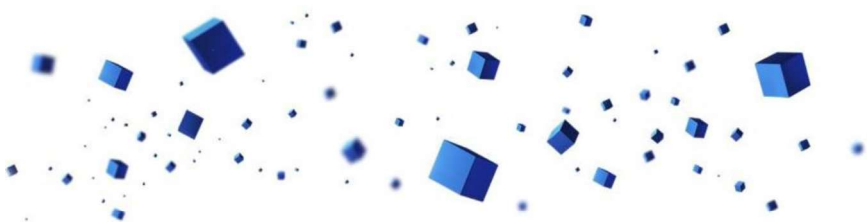
Chemical Name	CAS Number
<b>Arylamines</b>	
2-Anisidine	90-04-0
Anisidine ( <i>o</i> -, <i>p</i> -isomers)	29191-52-4
<b>Benzidines and its salts</b>	
<i>Benzidine and its salts</i>	Several
Benzidine	92-87-5
Benzidine dihydrochloride	531-85-1
Benzidine, sulfate (1:1)	531-86-2
Benzidine, sulfate	21136-70-9
Benzidine acetate	36341-27-2
<i>3,3'</i> -Dimethylbenzidine and its salts	Several
<i>3,3'</i> -Dimethylbenzidine	119-93-7
<i>3,3'</i> -Dichlorobenzidine and its salts - with the exception of those specified elsewhere	Several

Chemical Name	CAS Number
<b>Arylamines</b>	
3,3'-Dichlorobenzidine	91-94-1
<i>o</i> -Dianisidines and its salts - with the exception of those specified elsewhere	Several
3,3'-Dimethoxybenzidine	119-90-4
<i>4</i> -Chloroaniline and its salts	Several
4-Chloroaniline	106-47-8
<i>2,4</i> -Diaminoanisoole and its salts	Several
2,4-Diaminoanisoole	615-05-4
2,4-Diaminoanisoole sulphate	39156-41-7
<i>4,4'</i> -Diaminodiphenylmethane and its salts	Several
4,4'-Diaminodiphenylmethane	101-77-9
<i>2,4</i> -Diaminotoluene and its salts	Several
2,4-Diaminotoluene	95-80-7

Chemical Name	CAS Number
<b>Arylamines</b>	
<i>4,4'-Methylenebis-(2-chloraniline) and its salts</i>	Several
4,4'-Methylenebis-(2-chloraniline)	101-14-4
<i>2-Naphthylamine and its salts</i>	Several
2-Naphthylamine	91-59-8
2-Naphthylammonium acetate	553-00-4
<b>Dianilines and its salts</b>	
<i>4,4'-Thiodianiline and its salts</i>	Several
4,4'-Thiodianiline	139-65-1
<i>4,4'-Oxydianiline and its salts - with the exception of those specified elsewhere</i>	Several
4,4'-Oxydianiline	101-80-4
<b>Toluidines and its salts</b>	
<i>p-Cresidine and its salts</i>	Several

Chemical Name	CAS Number
<b>Arylamines</b>	
p-Cresidine	120-71-8
<i>m-Toluidine and its salts</i>	Several
m-Toluidine	108-44-1
m-Toluidine hydrochloride	638-03-9
<i>o-Toluidine and its salts</i>	Several
o-Toluidine	95-53-4
<i>p-Toluidine and its salts</i>	Several
p-Toluidine	106-49-0
<i>4,4'-Methylenedi-o-toluidine and its salts</i>	Several
4,4'-Methylenedi-o-toluidine	838-88-0
<b>Nitrotoluidines and its salts</b>	
<i>2-Amino-4-nitrotoluene and its salts</i>	Several

Chemical Name	CAS Number
<b>Arylamines</b>	
2-Amino-4-nitrotoluene	99-55-8
<b>Chlorotoluidines and its salts</b>	
<i>4-Chloro-2-toluidine and its salts</i>	Several
4-Chloro-2-toluidine	95-69-2
4-chloro-2-toluidine hydrochloride	3165-93-3
<b>Xylidines and its salts</b>	
<i>2,4-Xylidine and its salts</i>	Several
2,4-Xylidine	95-68-1
<i>2,6-Xylidine and its salts</i>	Several
2,6-Xylidine	87-62-7
<b>Trimethylanilines and its salts</b>	
<i>2,4,5-Trimethylaniline and its salts</i>	Several



Chemical Name	CAS Number
<b>Arylamines</b>	
2,4,5-Trimethylaniline	137-17-7
2,4,5-Trimethylaniline hydrochloride	21436-97-5

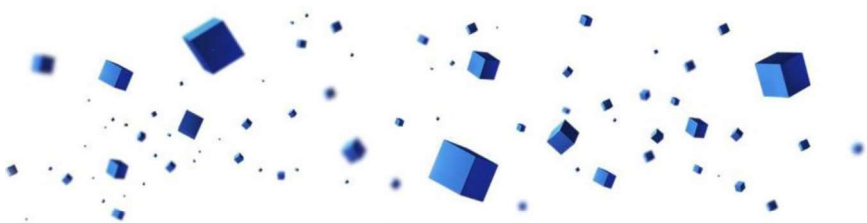
Chemical Name	CAS Number
<b>Chlorinated Benzenes and Toluenes</b>	
<b>Chlorinated benzenes</b>	Several
<i>Dichlorobenzenes all isomers</i>	Several
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
<i>Trichlorobenzenes all isomers</i>	Several
1,2,3-Trichlorobenzene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

Chemical Name	CAS Number
<b>Chlorinated Benzenes and Toluenes</b>	
1,2,4,5-Tetrachlorobenzene	95-94-3
Pentachlorobenzene	608-93-5
Hexachlorobenzene	118-74-1
<b>Chlorinated toluenes</b>	Several
<i>Monochlorotoluenes all isomers</i>	Several
2-Chlorotoluene	95-49-8
3-Chlorotoluene	108-41-8
4-Chlorotoluene	106-43-4
<i>Dichlorotoluenes all isomers</i>	Several
2,3-Dichlorotoluene	32768-54-0
2,4-Dichlorotoluene	95-73-8
2,5-Dichlorotoluene	19398-61-9

Chemical Name	CAS Number
<b>Chlorinated Benzenes and Toluenes</b>	
2,6-Dichlorotoluene	118-69-4
3,4-Dichlorotoluene	95-75-0
3,5-Dichlorotoluene	25186-47-4
<i>Trichlorotoluenes all isomers</i>	Several
2,3,4-Trichlorotoluene	7359-72-0
2,3,6-Trichlorotoluene	2077-46-5
2,4,5-Trichlorotoluene	6639-30-1
2,4,6-Trichlorotoluene	23749-65-7
3,4,5-Trichlorotoluene	21472-86-6
a,a,a-Trichlorotoluene	98-07-7
<i>Tetrachlorotoluenes all isomers</i>	Several
2,3,4,5-Tetrachlorotoluene	1006-32-2

Chemical Name	CAS Number
<b>Chlorinated Benzenes and Toluenes</b>	
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

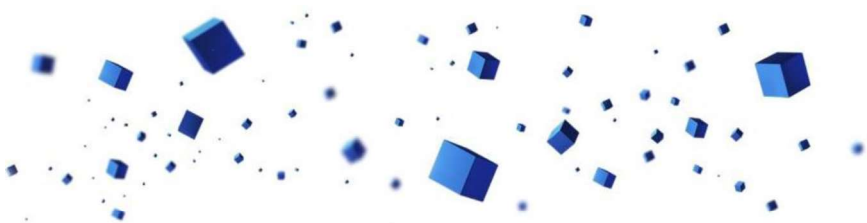
Chemical Name	CAS Number
<b>Colorants</b>	
<b><i>Colorants which can cleave in carcinogenic amines</i></b>	Several
Acid Black 29	12217-14-0
Acid Black 94	6358-80-1
Acid Black 131	12219-01-1
Acid Black 132	12219-02-2
Acid Black 209	72827-68-0
Acid Black 232	
Acid Brown 415	97199-27-4
Acid Orange 45	2429-80-3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



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

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

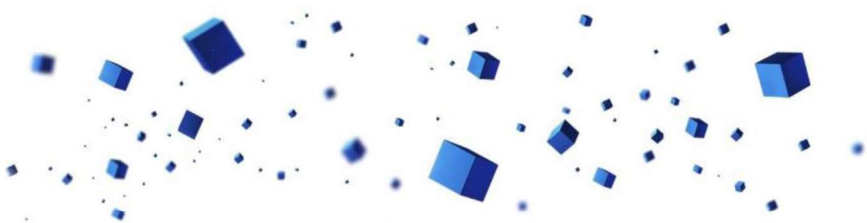
Chemical Name	CAS Number
<b>Colorants</b>	
Direct Black 4	25156-49-4
Direct Black 29	25180-14-7
Direct Black 154	54804-85-2
Direct Blue 1	2610-05-1
Direct Blue 2	2429-73-4
Direct Blue 3	2429-72-3
Direct Blue 8	2429-71-2
Direct Blue 9	6428-98-4
Direct Blue 10	4198-19-0
Direct Blue 14	72-57-1
Direct Blue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



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

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

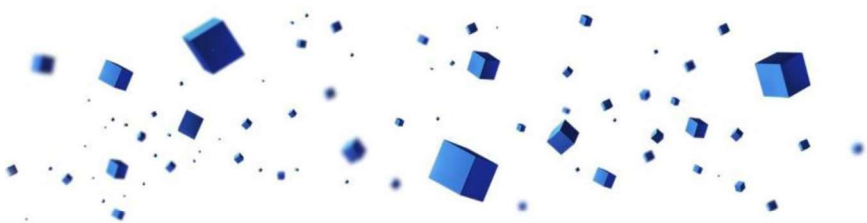
Chemical Name	CAS Number
<b>Colorants</b>	
Direct Brown 154	6360-54-9
Direct Brown 222	64743-15-3
Direct Brown 223	76930-14-8
Direct Green 1	3626-28-6
Direct Green 6	4335-09-5
Direct Green 8	25180-47-6
Direct Green 8:1	76012-70-9
Direct Green 85	72390-60-4
Direct Orange 1	54579-28-1
Direct Orange 6	6637-88-3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



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

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

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

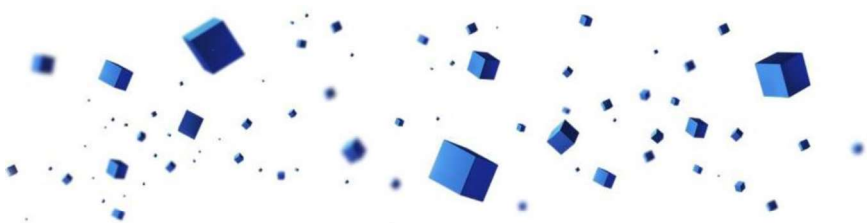


Chemical Name	CAS Number
<b>Colorants</b>	
Solvent Red 1	1229-55-6
Solvent Red 19	6368-72-5
Solvent Red 23	85-86-9
Solvent Red 24	85-83-6
Solvent Red 26	4477-79-6
Solvent Red 68	61813-90-9
Solvent Red 164	71819-51-7
Solvent Red 215	85203-90-3
Solvent Yellow 72	61813-98-7

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

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

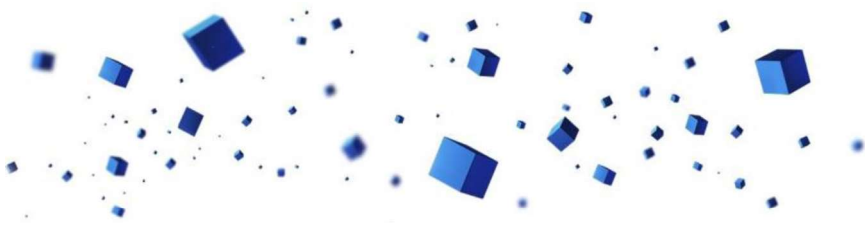




Chemical Name	CAS Number
<b>Dioxins and Furans</b>	
1,2,3,7,8-Pentabromodibenzo-p-dioxin	109333-34-8
2,3,7,8-Tetrabromodibenzofuran	67733-57-7
2,3,4,7,8-Pentabromodibenzofuran	131166-92-2
<i>Dioxins and Furans - Group 5</i>	Several
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin	110999-44-5
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin	110999-45-6
1,2,3,7,8,9-Hexabromodibenzo-p-dioxin	110999-46-7
1,2,3,7,8-Pentabromodibenzofuran	107555-93-1

Chemical Name	CAS Number
<b>Enzymes</b>	
<b><i>Enzymes, industrial</i></b>	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

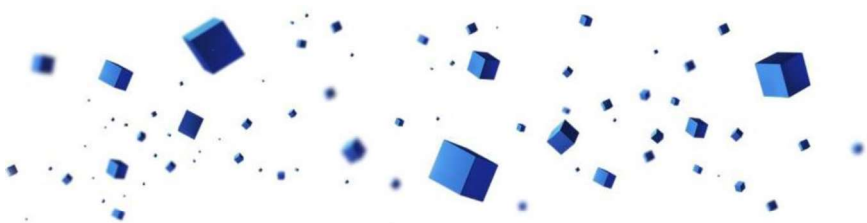
Chemical Name	CAS Number
<b>Flame Retardants</b>	
<i>Paraffin, C14-C17, chlorinated (MCCP)</i>	85535-85-9
Alkanes, C14-16, chloro	1372804-76-6
Di-, tri- and tetrachlorotetradecane	
Tetradecane, chloro derivs.	198840-65-2
<b><i>Hexabromocyclododecan all isomers - group for all major diastereoisomers identified</i></b>	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
<b>Greenhouse Gases, fluorinated</b>	
Sulphur hexafluoride	2551-62-4
<b>Perfluorocarbons</b>	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
<b>Hydrofluorocarbons</b>	Several
HFC-23	75-46-7
HFC-32	75-10-5

Chemical Name	CAS Number
<b>Greenhouse Gases, fluorinated</b>	
HFC-41	593-53-3
HFC-43-10mee	138495-42-8
HFC-125	354-33-6
HFC-134	359-35-3
HFC-134a	811-97-2
HFC-152a	75-37-6
HFC-143	430-66-0
HFC-143a	420-46-2
HFC-227ea	431-89-0
HFC-236cb	677-56-5
HFC-236ea	431-63-0
HFC-236fa	690-39-1

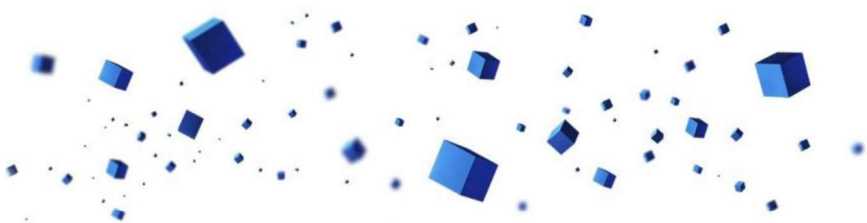
Chemical Name	CAS Number
<b>Greenhouse Gases, fluorinated</b>	
HFC-245ca	679-86-7
HFC-245fa	460-73-1
HFC-365mfc	406-58-6



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

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

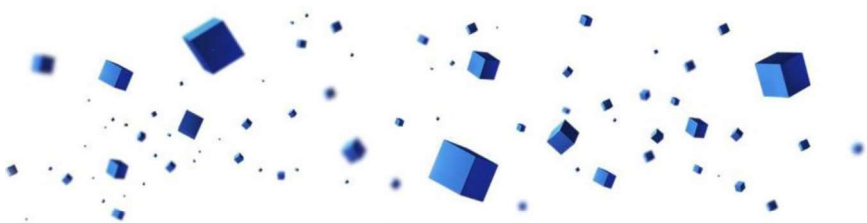
Chemical Name	CAS Number
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>	
2,3,6-Trichlorobiphenyl	55702-45-9
2,3',4-Trichlorobiphenyl	55712-37-3
2,3',5-Trichlorobiphenyl	38444-81-4
2,3',6-Trichlorobiphenyl	38444-76-7
2,4,4'-Trichlorobiphenyl	7012-37-5
2,4,5-Trichlorobiphenyl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



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

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

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



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

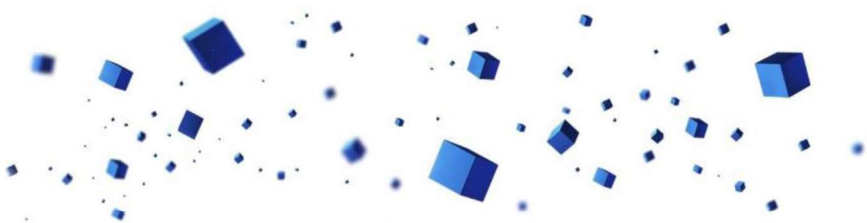
Chemical Name	CAS Number
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>	
2,2',3,3',6-Pentachlorobiphenyl	52663-60-2
2,2',3,4,4'-Pentachlorobiphenyl	65510-45-4
2,2',3,4,5-Pentachlorobiphenyl	55312-69-1
2,2',3,4,5'-Pentachlorobiphenyl	38380-02-8
2,2',3,4,6-Pentachlorobiphenyl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

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

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

Chemical Name	CAS Number
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>	
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

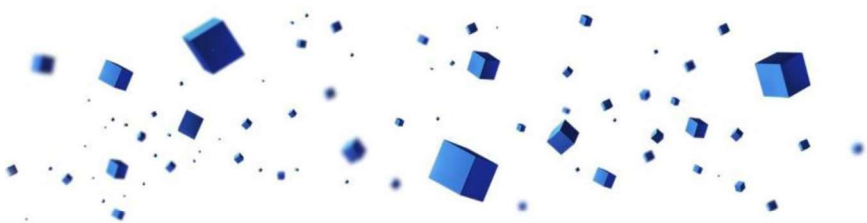
Chemical Name	CAS Number
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>	
2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1
2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3
2,2',3,3',5,6-Hexachlorobiphenyl	52704-70-8
2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5
2,2',3,3',6,6'-Hexachlorobiphenyl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



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

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

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



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

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

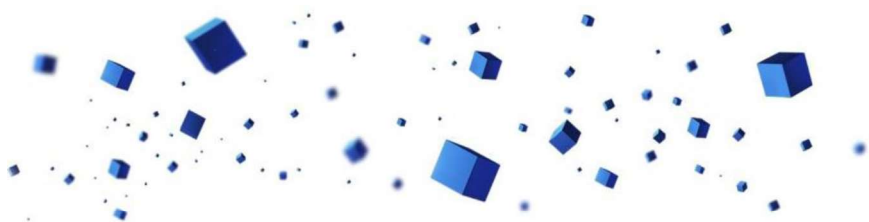
Chemical Name	CAS Number
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3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



Chemical Name	CAS Number
<b>Halogenated Biphenyls, halogenated Terphenyls and halogenated Naphthalenes</b>	
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
<b>Metals</b>	
<b>Chromium VI its salts and compounds</b>	Several
<i>Acids generated from chromium trioxide and their oligomers</i>	Several
Dichromic acid	13530-68-2
Chromic acid	7738-94-5
Oligomers of chromic acid and dichromic acid	
Ammonium dichromate	7789-09-5
Chromium trioxide	1333-82-0
Dichromium tris(chromate)	24613-89-6
Lead chromate	7758-97-6
Pentazinc chromate octahydroxide	49663-84-5
Potassium hydroxyoctaoxodizincate dichromate	11103-86-9
Potassium chromate	7789-00-6

Chemical Name	CAS Number
<b>Metals</b>	
Potassium dichromate	7778-50-9
Sodium chromate	7775-11-3
<i>Sodium dichromate derivatives</i>	Several
Sodium dichromate dihydrate	7789-12-0
Sodium dichromate anhydrous	10588-01-9
Strontium chromate	7789-06-2
<b>Lead its salts and compounds</b>	Several
Lead diacetate	301-04-2 6080-56-4
Trilead dioxide phosphonate	12141-20-7
Trilead bis(carbonate) dihydroxide	1319-46-6
Tetralead trioxide sulphate	12202-17-4
Sulfurous acid, lead salt, dibasic	62229-08-7



Chemical Name	CAS Number
<b>Metals</b>	
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
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

Chemical Name	CAS Number
<b>Metals</b>	
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

Chemical Name	CAS Number
<b>Other Chemical Substances</b>	
<b>Hydrazine its salts and hydrates</b>	Several
Hydrazine hydrates	7803-57-8
Hydrazine sulfate	10034-93-2

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

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

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

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

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

Chemical Name	CAS Number
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	
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
<b>Ozone depleting substances (CFCs) class II</b>	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
Trifluoriodomethane (FIC 013 I1 / TFIM)	2314-97-8
Methyl chloride (HCC 040 / MC)	74-87-3

Chemical Name	CAS Number
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	
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

Chemical Name	CAS Number
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	
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

Chemical Name	CAS Number
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	
Tetrachlorotrifluoropropane (HCFC-223)	29470-95-9
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

Chemical Name	CAS Number
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	
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

Chemical Name	CAS Number
<b>Ozone Depleting Substances (according to Regulation (EC) No 1005/2009)</b>	
Monochlorotrifluoropropane (HCFC-253)	134237-44-8 26588-23-8
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
<b>Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA</b>	
<b><i>Perfluorocarboxylic acids and its salts</i></b>	Several
<i>Perfluorobutanoic acid and its salts</i>	Several
Perfluorobutanoic acid	375-22-4
<i>Perfluorohexanoic acid and its salts</i>	Several
Perfluorohexanoic acid (PFHxA)	307-24-4
<i>Perfluoroheptanoic acid and its salts</i>	Several
Perfluoroheptanoic acid	375-85-9
<i>Perfluorooctanoic acid and its salts</i>	Several
Perfluorooctanoic acid (PFOA)	335-67-1
Ammonium pentadecafluoro octanoate	3825-26-1
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)	335-95-5
Potassium perfluorooctanoate	2395-00-8

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

Chemical Name	CAS Number
<b>Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA</b>	
<i>Perfluorotridecanoic acid and its salts</i>	Several
Perfluorotridecanoic acid	72629-94-8
<i>Perfluorotetradecanoic acid and its salts</i>	Several
Perfluorotetradecanoic acid	376-06-7
<b><i>Perfluorohexanoic acid related substances</i></b>	Several
<i>Perfluorohexylethyl alcohols</i>	Several
Perfluorohexyl-ethanol	647-42-7
<i>Perfluorohexylethyl olefins</i>	Several
Perfluorohexylethene	25291-17-2
<i>Perfluorohexylethyl halides</i>	Several
Tridecafluoro-1-iodohexane	355-43-1
1H,1H,2H,2H-Perfluorooctyl iodide	2043-57-4

Chemical Name	CAS Number
<b>Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA</b>	
<i>Perfluorohexylethyl acrylates or methacrylates</i>	Several
<i>Perfluorohexylethyl polymers</i>	Several
<b><i>Perfluorooctanoic acid related substances</i></b>	Several
Methyl perfluorooctanoate	376-27-2
Ethyl perfluorooctanoate	3108-24-5
<i>Perfluorooctylethyl alcohols</i>	Several
Perfluorooctylethanol	678-39-7
<i>Perfluorooctylethyl olefins</i>	Several
Perfluorooctylethene	21652-58-4
<i>Perfluorooctylethyl halides</i>	Several
Heptadecafluoro-1-iodooctane	507-63-1
1H,1H,2H,2H-Perfluorodecyl iodide	2043-53-0

Chemical Name	CAS Number
<b>Perfluoroalkyl Carboxylic Acids and Derivatives - PFCA</b>	
Pentadecafluorooctyl fluoride	335-66-0
<i>Perfluorooctylethyl acrylate or methacrylate</i>	Several
<i>Perfluorooctylethyl polymers</i>	Several
<b>Perfluoroalkyl compounds, branched</b>	Several
<i>2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides</i>	Several
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	13252-13-6
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoro-propoxy) propionate	67118-55-2
Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	62037-80-3
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionyl fluoride	2062-98-8

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
<b>Perfluorobutane sulfonic acid and its derivatives</b>	Several
<i>Perfluorobutane sulfonic acid and its salts</i>	Several
Perfluorobutane sulfonic acid	375-73-5
Perfluorobutane sulfonates	45187-15-3
<b>Perfluorohexane sulfonic acid and its derivatives</b>	Several
<i>Perfluorohexane sulphonic acid and its salts</i>	Several
Perfluorohexane sulfonic acid	355-46-4
Perfluorohexane sulfonate	108427-53-8
Potassium perfluorohexane-1-sulphonate	3871-99-6
Ammonium perfluorohexane-1-sulphonate	68259-08-5
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-16-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)	55120-77-9

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
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 with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid	108427-54-9
Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	108427-55-0



Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
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 with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	189274-31-5
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, 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

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-74-0
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic	421555-73-9
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)	41184-65-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)	41242-12-0
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4
Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclo-pentadecinium, 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

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
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

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
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
<i>Perfluorohexane sulfon amides</i>	Several
Perfluorohexane sulfon amide	41997-13-1
<i>Perfluorohexane sulfon halides</i>	Several
Perfluorohexanesulphonyl fluoride	423-50-7
<b><i>Perfluorooctane sulfonic acid and its derivatives</i></b>	Several
<i>Perfluorooctane sulphonic acid and its salts</i>	Several
Diethanolamine perfluorooctane sulfonate	70225-14-8
Ammonium perfluorooctane sulfonate	29081-56-9
Lithium perfluorooctane sulfonate	29457-72-5

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
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
<i>Perfluorooctane sulfon amides</i>	Several
Perfluorooctane sulfonamide	754-91-6
Heptadecafluoro-N-methyloctane sulfonamide	31506-32-8
<i>Perfluorooctane sulfon amidoethanols</i>	Several
Heptadecafluoro-N-methyloctane sulfonamideethanol	24448-09-7

Chemical Name	CAS Number
<b>Perfluoroalkyl Sulfonic Acids and Derivatives - PFSA</b>	
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
<i>Perfluorooctane sulfon halides</i>	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

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