

# FINNISH TEXTILE & FASHION

## **Restricted Substance List (RSL)**

FEBRUARY 2023

FINNISH TEXTILE & FASHION

# Overview

## Restricted Substance List, RSL

Finnish Textile & Fashion Association has created this Restricted Substances List (RSL) to assist and guide its members seeking to increase their product quality and safety, and to reduce the environmental impact of harmful substances in textile products. The purpose of this RSL is to avoid and control substances in the final products and to steer the production towards legally compliant products.

SCOPE: This Restricted Substances List (RSL) lists chemicals that are banned or restricted in textile and leather products. This list is based on the European Union legislation on chemicals as well as Finnish national chemical legislation.

Please note, that this document does not have a legal status. Member companies must ensure that products and materials submitted by them, meet the product safety requirements in the market area where they are placed.

## Additional product-specific regulatory requirements

### **Finnish Safety and Chemicals Agency: Chemicals in children's toys**

## Definitions and abbreviations

CAS NO	Chemical Abstracts Service number, identification number for chemicals
LIMIT	Concentration limit. The substance must not be present in the product at concentrations above this limit.
N/A	CAS number not allocated
N.D.	Not detected, this substance may not be used

Changes to the previous RSL are highlighted.

## Table of Contents

Overview.....	0
1. Dyes and Colourants.....	3
1.1. Azocolourants and Azodyes.....	3
1.2. Quinoline .....	5
1.3. Carcinogenic Dyes.....	5
1.4. Environmentally Harmful Dyes.....	6
2. Flame Retardants.....	6
3. Heavy Metals .....	8
4. Polycyclic-Aromatic Hydrocarbons, PAH .....	9
5. Carcinogenic, Mutagenic or toxic for Reproduction, CMR.....	10
6. Poly- and perfluoroalkyl substances (PFAS) .....	11
7. Alkanes or chlorinated paraffins .....	12
8. Phthalates.....	12
9. Chlorinated phenols .....	14
10. Organotin compounds.....	15
11. Biocides.....	15
12. Formaldehyde.....	16
13. Alkylphenols (AP) and alkylphenol ethoxylates (APEO) .....	16
14. UV-protection agents .....	16
15. Nitrobenzene .....	17
16. Chlorinated benzenes and toluenes (carriers) .....	17
17. Phenols and Bisphenols.....	17
18. Nanomaterials .....	18
19. Pesticides and herbicides .....	18
20. Glycols.....	19
21. Solvents .....	19
22. Volatile Organic Compounds (VOCs).....	19
23. Monomers .....	20
24. Other substances and chemicals.....	20

## 1. Dyes and Colourants

### 1.1. Azocolourants and Azodyes

Dyes containing azo structures are widely used class of synthetic dyes and pigments. They may be used in dyeing off a range of materials including textiles, leather, synthetic leather, plastics and paper. Their uses in textiles include polyamide, wool, silk, polyester, acetate, cotton, viscose and linen. Under the appropriate conditions, certain azo dyes can break down to form aromatic amines or arylamines. Above certain levels, long-term exposure to the listed aromatic amines may result in the development of cancers.

Many dyes are available that will not release the restricted amine or aniline fragments.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
biphenyl-4-ylamine; 4-aminobiphenyl xenyamine	92-67-1	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
Benzidine and/or its derivatives	92-87-5	REACH Annex XVII 552/2009/EU	30mg/kg AND 0,003% by weight
4-chloro-o-toluidine	95-69-2	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
2-naphthylamine	91-59-8	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
o-aminoazotoluene; 4- amino-2',3- dimethylazobenzene; 4-o- tolylazo-o-toluidine	97-56-3	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
5-nitro-o-toluidine	99-55-8	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
4-chloroaniline	106-47-8	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
4-methoxy- mphenylenediamine	615-05-4	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
4,4'-methylenedianiline; 4,4'- diaminodiphenylmethane	101-77-9	REACH Annex XVII, 552/2009/EU, REACH Annex XIV + SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
3,3'-dichlorobenzidine; 3,3'-dichlorobiphenyl-4,4'- ylenediamine	91-94-1	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
3,3'-dimethoxybenzidine o-dianisidine	119-90-4	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
4,4'-methylenedi-o- toluidine	838-88-0	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
6-methoxy-m-toluidine p- cresidine	120-71-8	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
4,4'-methylene-bis-(2- chloro-aniline) 2,2'- dichloro-4,4'-methylene- dianiline	101-14-4	REACH Annex XVII, 552/2009/EU  REACH SVHC + Annex XIV	30mg/kg AND 0,003% by weight  0,1 % by weight
4,4'-oxydianiline	101-80-4	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight

4,4'-thiodianiline	139-65-1	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
o-toluidine; 2-aminotoluene	95-53-4	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
4-methyl-m-phenylenediamine	95-80-7	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
2,4,5-trimethylaniline	137-17-7	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
o-anisidine (2-methoxyaniline)	90-04-0	REACH Annex XVII, 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
2,4 aminoazobenzene	60-09-3	REACH Annex XVII 552/2009/EU, SVHC	30mg/kg AND 0,003% by weight, 0,1 % by weight
2,4-xylidine	95-68-1	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
2,6-xylidine	87-62-7	REACH Annex XVII, 552/2009/EU	30mg/kg AND 0,003% by weight
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)chromate(1-)	Not allocated Component 1: CAS-No: 118685-33-9 C39H23ClCrN7O12S. 2Na Component 2: C46H30CrN10O20S2. 3Na	REACH Annex XVII, 552/2009/EU	<0,1 % by weight
4-chloro-o-toluidinium chloride	3165-93-3	(EU) 2018/1513 (CMR)	≤30 mg/kg
2-Naphthylammonium-acetate	553-00-4	(EU) 2018/1513 (CMR)	≤30 mg/kg
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	(EU) 2018/1513 (CMR)	≤30 mg/kg
2,4,5-trimethylaniline hydrochloride	21436-97-5	(EU) 2018/1513 (CMR)	≤30 mg/kg

## 1.2. Quinoline

Quinoline can be found as an impurity in polyester and some dyestuffs.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Quinoline	91-22-5	(EU) 2018/1513 (CMR)	≤50 mg/kg

## 1.3. Carcinogenic Dyes

Disperse dyes are used in synthetic fibers (e.g. polyester, acetate, polyamide). Restricted disperse dyes are suspected of causing allergic reactions and are prohibited from use for dyeing of textiles.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
C.I Basic Violet 3	548-62-9	REACH, SVHC (EU) 2018/1513 (CMR)	<0,1 % by weight ≤50 mg/kg
C.I Direct Red 28	573-58-0	REACH, SVHC	<0,1 % by weight
C.I Pigment Red 104	12656-85-8	REACH, SVHC, + Annex XIV	<0,1 % by weight
C.I Solvent Blue 4	6786-83-0	REACH, SVHC	<0,1 % by weight
C.I Basic Blue 26	2580-56-5	REACH, SVHC	<0,1 % by weight
C.I Direct Black 38	1937-37-7	REACH, SVHC	<0,1 % by weight
C.I. Disperse Blue 1	2475-45-8	(EU) 2018/1513 (CMR)	≤50 mg/kg
C.I. Basic Red 9	569-61-9	(EU) 2018/1513 (CMR)	≤50 mg/kg
C.I. Direct Blue 6	2602-46-2	REACH Annex XVII	≤50 mg/kg
C.I. Direct Brown 95	16071-86-6	REACH Annex XVII	≤50 mg/kg
Solvent Violet 8, 4,4'-bis(dimethylamino)- 4''-(methylamino)trityl alcohol	561-41-1	REACH, SVHC + Annex XIV	0,1 % by weight ≤50 mg/kg
C.I. Pigment Yellow 34, Lead sulfochromate yellow	1344-37-2	REACH SVHC + Annex XIV	0,1 % by weight

## 1.4. Environmentally Harmful Dyes

Navy blue colorants are regulated and prohibited from use for dyeing of textiles.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Navy Blue 018112  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-phtholato)chromate(1-)	Index number 611-070-00-02  Component 1: CAS-No.: 118685-33-9 C39H23ClCrN7O12S.2Na  Component 2: N/A C46H30CrN10O20S2.3Na	REACH Annex XVII	N.D.

## 2. Flame Retardants

Flame retardant chemicals may be incorporated into textiles or applied by sprays to decrease flammability of treated products. Flame retardants have been associated with adverse health impacts including cancer and reduced fertility. Additionally, some are classified as persistent, bioaccumulative, and toxic (PBT).

SUBSTANCE	CAS NO.	REGULATION	LIMIT
tris(1-aziridinyl)phosphine oxide, TEPA	5455-55-1	REACH, 552/2009/EU	N.D.
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified  Hexabromocyclododecane , 1,2,5,6,9,10-hexabromocyclododecane and its main diastereoisomers: alpha-hexabromocyclododecane ; beta-hexabromocyclododecane ; and gammahexabromocyclododecane	25637-99-4,  3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	REACH, Annex XIV  POP (EU) 2019/1021	N.D.  ≤100 mg/kg (0,01 % by weight)
Octabromodiphenyl ether (OctaBDE)	32536-52-0	REACH, Annex XVII, Entry 28, Appendix 6	N.D.
tris(2,3-dibromopropyl) phosphate, TRIS	126-72-7	REACH, Annex XVII, Entry 72, Appendix 12	N.D.

Polybrominated biphenyls (PBB)	59536-65-1	REACH, Annex XVII, Entry 8	N.D.
Decabromodiphenyl ether (DecaBDE)	1163-19-5	SVHC, POP (EU) 2019/1021	0,1 % by weight
Heptabromodiphenyl ether	68928-80-3 and others		Sum of the concentrations of tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether: 500 mg/kg where they are present in mixtures or articles
Hexabromodiphenyl ether	36483-60-0 and others		
Pentabromodiphenyl ether (PentaBDE)	32534-81-9 and others		
Tetrabromodiphenyl ether	40088-47-9 and others		
Trixylyl phosphate	25155-23-1	SVHC	0.1 % by weight
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	N/A	SVHC	0.1 % by weight
Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	REACH SVHC + Annex XIV	0,1 % by weight
Tris(aziridinyl)phosphinoxide	545-55-1	REACH, Annex XVII	Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.
Polychlorinated Biphenyls (PCB)	1336-36-3 and others	POP (EU) 2019/1021	N.D.
Hexabromobiphenyl	36355-01-8	POP (EU) 2019/1021	N.D.
2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	REACH, SVHC	0.1 % by weight
Tetrabromobisphenol A (TBBPA)	79-94-7	REACH, SVHC	0.1 % by weight
2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	36483-57-5	REACH, SVHC	0.1 % by weight
2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9	REACH, SVHC	0.1 % by weight



### 3. Heavy Metals

Heavy metals, including arsenic, cadmium, lead, and mercury may be found in pigments and dyes, metal alloys and coatings, and in the PVC stabilization process. Cadmium may be found in low quality dyes. Arsenic, cadmium, lead, and mercury may be found in pigments, but have largely been phased out. Metal alloys and coatings may contain arsenic, cadmium, and lead. PVC stabilization may be accomplished with the use of cadmium or lead.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Arsenic (As) and its compounds	7440-38-2	(EU) 2018/1513 (CMR)	≤ 1 mg/kg (extractable Cd metal)
Cadmium (Cd) and its compounds, Cadmium stabilizers	7440-43-9	REACH, Annex XVII, SVHC  (EU) 2018/1513 (CMR)	0,1 % by weight  ≤ 1 mg/kg (extractable Cd metal)
Cadmium nitrate	10325-94-7	REACH, Annex XVII, SVHC	N.D.
Cadmium hydroxide	21041-95-2	REACH, Annex XVII, SVHC	N.D.
Cadmium carbonate	21041-95-2	REACH, Annex XVII, SVHC	N.D.
Chromium VI (Cr VI)	1333-82-0	(EU) 2018/1513 (CMR)  REACH SVHC + Annex XIV	≤ 1 mg/kg (extractable Cd metal), leather parts ≤ 3 mg/kg,  0,1 % by weight
Lead (Pb) and its compounds	7439-92-1	(EU) 2018/1513 (CMR)	≤ 1 mg/kg (extractable Cd metal)
Mercury (Hg) and its compounds	7439-97-6	REACH, Annex XVII	N.D.
Nickel (Ni) and its compounds	7440-02-0	Finnish law 494/2005,  REACH, Annex XVII	A product (e.g., buttons, studs, zips etc.) may emit no more than 0,5 µg/cm <sup>2</sup> /week

#### 4. Polycyclic-Aromatic Hydrocarbons, PAH

PAHs are natural components of crude oil. Oil residues containing PAHs are added to rubber and plastics as a softener. PAHs are often found in the outsoles of footwear and in printing pastes for screen prints.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Benzo[e]pyrene (BeP)	192-97-2	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
benzo[a]pyrene; benzo[def]chrysene	50-32-8	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Benzo[a]anthracene (BaA)	56-55-3	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Chrysen (CHR)	218-01-9	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Benzo[e]acephenanthrylene	205-99-2	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Benzo[j]fluoranthene (BjFA)	205-82-3	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Benzo[k]fluoranthene (BkFA)	207-08-9	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	(EU) 2018/1513 (CMR)	≤ 1 mg/kg, ≤ 10 mg/kg total
Anthracene	120-12-7	REACH, SVHC	0,1 % by weight
Fluoranthene	206-44-0	REACH, SVHC	<0,1 % by weight
Phenanthrene	85-01-8	REACH, SVHC	<0,1 % by weight
Pyrene	129-00-0	REACH, SVHC	<0,1 % by weight
Benzo[ghi]perylene	191-24-2	REACH, SVHC	<0,1 % by weight

## 5. Carcinogenic, Mutagenic or toxic for Reproduction, CMR

These chemicals can be found in this guide marked with (CMR). The restriction covers:

- Clothing and related accessories, such as:
  - tops, shirts, blouses,
  - underwear,
  - nightwear,
  - hosiery (e.g., socks, pantyhose, stockings, leggings),
  - trousers, pants,
  - jackets, coats, raincoats, capes,
  - dresses, skirts,
  - suits,
  - sportswear
  - swimwear (e.g., swimsuits, bikinis, swimming trunks),
  - gloves (including latex gloves not covered by Regulation (EU) 2016/425 of the European Parliament and of the Council on personal protective equipment or Regulation (EU) 2017/745 of the European Parliament and of the Council on medical devices), mittens, muffs,
  - scarves, shawls, stoles,
  - ties, cravats,
  - hats, caps, bonnets, veils,
  - bags, like handbags, backpacks, briefcases,
  - wristwatch straps,
  - fancy dress and disguise costumes
  
- Textiles other than clothing which come into contact with the human skin under normal or reasonably foreseeable condition of use to an extent similar to clothing, such as
  - bed linen (e.g. sheets, duvet covers, pillow cases),
  - blankets, throws,
  - upholstery (fabric covering chairs, armchairs and sofas etc.),
  - cushion covers,
  - bathrobes, towels,
  - re-usable nappies and sanitary towels,
  - sleeping bags,
  - yarn and fabrics intended for use by the final consumer,
  
- Footwear
  - Prints and coatings applied directly on textile article surfaces (such as decorations or logos) are covered by the restriction.

## 6. Poly- and perfluoroalkyl substances (PFAS)

Per- and polyfluoroalkyl substances (PFASs) are a large class of thousands of synthetic chemicals that are widely used throughout society and found in the environment. They have been used for many years as repellent finishes applied to fabrics or garments as fluorinated finishes provide highly durable repellent effects against water, soil, and oil.

PFAS are very persistent in the environment and have the potential to bioaccumulate. Scientific studies have shown that exposure to some PFAS in the environment may be linked to harmful health effects in humans and animals. They are toxic to aquatic organisms and above certain exposure levels may cause cancer or impact fertility.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Perfluorooctane sulfonic acid and its derivatives (PFOS)	1763-23-1  2795-39-3, 29457-72-5, 29081-56-9, 70225-14-8, 56773-42-3, 251099-16-8, 4151-50-2, 31506-32-8, 1691-99-2, 24448-09-7, 307-35-7 and others	POP (EU) 2019/1021	textiles or other coated materials: 1 µg/m <sup>2</sup> of the coated material
perfluorooctanoic acid (PFOA),  its salts and  PFOA-related substances	335-67-1  335-95-5, 2395-00-8, 335-93-3, 335-66-0,  376-27-2, 3108-24-5, 678-39-7, 27905-45-9 1996-88-9, 27854-31-5	REACH, SVHC  POP (EU) 2019/1021	≤25 ppb of PFOA including its salts or 1 000 ppb of one or a combination of PFOA-related substances
Perfluorononan-1-oic-acid (PFNA) and its sodium and ammonium saltspropanesultone	375-95-1, 21049-39-8, 21049-39-8	REACH, SVHC	0,1 % by weight
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7, 3830-45-3, 3108-42-7	REACH, SVHC	0,1 % by weight
Perfluorohexane-1-sulphonic acid and its salts PFHxS	355-46-4 3871-99-6, 55120-77-9, 68259-08-5, 82382-12-5	REACH, SVHC	0,1 % by weight
Perfluorobutane sulfonic acid (PFBS) and its salts	N/A	REACH, SVHC	0,1 % by weight
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (HPFO-DA)	13252-13-6, 67118-55-2, 2062-98-8, 62037-80-3, 75579-40-7, 75579-39-4	REACH, SVHC	0,1 % by weight

## 7. Alkanes or chlorinated paraffins

May be used as softeners, flame retardants or fat-liquoring agents in leather production, also as a plasticizer in polymer production.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Alkanes C10 - C13 Chlorine (short chain chlorinated paraffines, SCCPs)	85535-84-8 and others	REACH, SVHC POP (EU) 2019/1021	0,1 % by weight ≤ 0,15 % by weight
Medium-chain chlorinated paraffins (MCCP)	85535-85-9 198840-65-2 1372804-76-6	REACH, SVHC	0,1 % by weight

## 8. Phthalates

SUBSTANCE	CAS NO.	REGULATION	LIMIT
bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	REACH, Annex XVII, Annex XIV	<0,1% by weight or in any combination (DEHP, DBP, BBP, DIBP)
dibutyl phthalate (DBP)	84-74-2	REACH, Annex XVII, Annex XIV	<0,1% by weight or in any combination (DEHP, DBP, BBP, DIBP)
benzyl butyl phthalate (BBP)	85-68-7	REACH, Annex XVII, Annex XIV	<0,1% by weight or in any combination (DEHP, DBP, BBP, DIBP)
diisobutyl phthalate (DIBP)	84-69-5	REACH, Annex XVII, Annex XIV	<0,1% by weight or in any combination (DEHP, DBP, BBP, DIBP)
di-'isononyl' phthalate (DINP)	28553-12-0 and 68515-48-0	REACH, Annex XVII	<0,1% by weight, toys and childcare articles
di-'isodecyl' phthalate (DIDP)	26761-40-0 and 68515-49-1	REACH, Annex XVII	<0,1% by weight, toys and childcare articles
di-n-octyl phthalate (DNOP)	117-84-0	REACH, Annex XVII	<0,1% by weight, toys and childcare articles
1,2-benzenedicarboxylic acid; di-C 6-8-branched alkylesters, C 7-rich	71888-89-6	REACH SVHC + Annex XIV  (EU) 2018/1513 (CMR)	0,1 % by weight  ≤ 1000 mg/kg, (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No

			1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	REACH SVHC	0,1 % by weight
Bis(2-methoxyethyl) phthalate	117-82-8	REACH SVHC + Annex XIV  (EU) 2018/1513 (CMR)	0,1 % by weight  ≤ 1000 mg/kg, (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)
Di-n-pentyl phthalate (DPP)	131-18-0	(EU) 2018/1513 (CMR)	≤ 1000 mg/kg, (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)
Di-n-hexyl phthalate (DnHP)	84-75-3	(EU) 2018/1513 (CMR)	≤ 1000 mg/kg, (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)

		REACH, SVHC + Annex XIV	<0,1 % by weight
N-pentyl-isopentylphthalate (nPIPP)	776297-69-9	REACH, Annex XIV	<0,1 % by weight
Dicyclohexyl phthalate	84-61-7	REACH, SVHC	<0,1 % by weight
Diisopentylphthalate (DIPP)	605-50-5	REACH, SVHC  (EU) 2018/1513 (CMR)	<0,1 % by weight  ≤ 1000 mg/kg, (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B)
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters  1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters  1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68648-93-1  68515-51-5	REACH, SVHC + Annex XIV	0,1 % by weight
Diisohexyl phthalate (DIHxP)	71850-09-4	REACH, SVHC	0,1 % by weight
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	REACH SVHC + Annex XIV	0,1 % by weight
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	REACH, SVHC	0,1 % by weight

## 9. Chlorinated phenols

Chlorophenols are commonly used as pesticides, or converted into pesticides, and have historically been used as preservatives for textile and leather materials during storage and transport. Chlorophenols may also be present as impurities from the raw materials used in the production of dyes. Some chlorophenols are used as preservatives in print pastes. Chlorophenols can be produced and found in wastewater after bleaching processes with elemental chlorine for textiles or paper, as well as during disinfection of wastewater or drinking water.

Some chlorophenols can be toxic to aquatic organisms above a certain exposure level and may cause long-term adverse effects in the aquatic environment. Some chlorophenols have been classified as endocrine

disruptors. Although more research is needed, some chlorophenols have been probable carcinogens. Above certain exposure levels, some chlorophenols are highly toxic by inhalation or skin contact.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Pentachlorophenol (PCP) and its salts and esters	87-86-5 and others	POP (EU) 2019/1021	≤ 0,1 % by weight

## 10. Organotin compounds

In textiles organotins are associated with plastic/rubber, inks, paints, metallic glitter, polyurethane products and heat transfer material. Can be used as biocides (antibacterials).

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Tributyltin (TBT)+compounds	688-73-3	Commission Decision 2009/425/EY, 1907/2006 REACH	0,1 % by weight
Triphenyltin (TPHT) + compounds	668-34-8	1907/2006 REACH, Annex XVII	0,1 % by weight
Dibutyltin (DBT)	1002-53-5	Commission Decision 2009/425/EY, 1907/2006 REACH, Annex XVII	0,1 % by weight
Diocetyl tin	870-08-6	Commission Decision 2009/425/EY	0,1 % by weight
Bis(tributyltin)oxide	56-35-9	REACH, SVHC	0,1 % by weight
Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	REACH, SVHC	0,1 % by weight

## 11. Biocides

In textiles biocides are used for protecting materials or articles against harmful organisms, such as pests and micro-organisms. Biocides include among other things disinfectants, pesticides, mosquito repellents and preservatives. Articles may only be treated with biocidal products that fulfills the requirements of Biocidal Products Regulation (EU) No 528/2012.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Dimethylfumarate (DMF)	624-49-7	REACH, Annex XVII, Commission Decision 2009/251/EU	<0,1 % by weight
Chlordecone	143-50-0	POP (EU) 2019/1021	N.D.
Hexachlorocyclohexanes, including lindane	58-89-9, 319-84-6, 319-85-7, 608-73-1	POP (EU) 2019/1021	N.D.
Boric acid	10043-35-3, 11113-50-1	REACH, SVHC + Annex XIV	<0,1 % by weight



## 12. Formaldehyde

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Formaldehyde	50-00-0	Finnish decree 233/2012  (EU) 2018/1513 (CMR)	30mg/kg for textiles and textile toys for children under the age of two (2); 100mg/kg for all textiles that come into contact with skin during normal use and for textile toys for children older than two years (2) of age; 300mg/kg for all other textiles and for leather goods CMR: ≤ 75 mg/kg

## 13. Alkylphenols (AP) and alkylphenol ethoxylates (APEO)

APs and APEOs are common ingredients in many chemical formulations used to produce apparel and footwear materials. They have been widely used as surfactants or emulsifiers in detergents, scouring agents, dye-dispersing agents, printing pastes, spinning oils and wetting agents. They biodegrade slowly and tend to bioaccumulate. Some APs and APEOs have been shown to be toxic to aquatic organisms and endocrine disruptors.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Nonylphenol C <sub>6</sub> H <sub>4</sub> (OH)C <sub>9</sub> H <sub>19</sub>	104-40-5, 11066-49-2, 25154-52-3, 84852-15-3	Finnish decree 596/2004, REACH, SVHC	0,1 % by weight
Nonylphenol ethoxylate (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>24</sub> O	9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-87-0	REACH, Annex XVII	0,1 % by weight
Octylphenol (OP)	140-66-9, 1806-26-4, 27193-28-8	REACH, Annex XIV, SVHC	0,1 % by weight
Octylphenol ethoxylates (OPE)	9002-93-1, 9036-19-5, 68987-90-6,	REACH, Annex XIV	0,1 % by weight

## 14. UV-protection agents

UV radiation is one of the major causes of degradation of textile materials. The UV absorbers and stabilizers are used to absorb UV light. This protects paints, plastics, coatings, adhesives, etc. and thus stabilizes them to UV light or natural sunlight. These substances may cause damage to organs through prolonged or repeated exposure, are harmful to aquatic life with long lasting effects, and are suspected of causing cancer.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	REACH, Annex XIV	0,1 % by weight
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	REACH, Annex XIV	0,1 % by weight

2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	REACH, Annex XIV	0,1 % by weight
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	REACH, Annex XIV	0,1 % by weight
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	REACH, SVHC	<0,1 % by weight

## 15. Nitrobenzene

Nitrobenzene is an aromatic organic compound. It can be used e.g. in production of dyestuffs, synthetic rubber and pesticides. It is suspected to be carcinogenic.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Nitrobenzene	98-95-3	REACH, SVHC	0,1 % by weight

## 16. Chlorinated benzenes and toluenes (carriers)

Chlorinated benzenes and toluenes may be used as carriers during the dyeing process of synthetic fibers, especially polyester and polyester blends. They are also used as intermediates in the synthesis of other chemicals as well as solvents for dyestuffs. Therefore, they may be present in materials as impurities. Some chlorotoluenes and chlorobenzenes can be very toxic to aquatic organisms at certain concentrations and have the potential to bioaccumulate and bioconcentrate. Long-term exposure to some chlorotoluenes and chlorobenzenes may result in the development of various cancers and above certain exposure levels, some are toxic by inhalation or skin contact.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Dichlorobenzenes	106-46-7; 95-50-1	(EU) 474/2014, REACH, Annex XVII	≤1 % by weight
Trichlorobenzenes	120-82-1	REACH, Annex XVII	<0,1 % by weight
Pentachlorobenzenes	608-93-5	POP (EU) 2019/1021	N.D.
Hexachlorobenzenes	118-74-1	POP (EU) 2019/1021	N.D.
Thriclorotoluenes	98-07-7	(EU) 2018/1513 (CMR)	≤ 1 mg/kg
Tetrachlorotoluenes	5216-25-1	(EU) 2018/1513 (CMR)	≤ 1 mg/kg
α-chlorotoluene; benzyl chloride	100-44-7	(EU) 2018/1513 (CMR)	≤ 1 mg/kg

## 17. Phenols and Bisphenols

SUBSTANCE	CAS NO.	REGULATION	LIMIT
4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	REACH, Annex XIV	0,1 % by weight

p-(1,1-dimethylpropyl)phenol	80-46-6	REACH, SVHC	0,1 % by weight
4-heptylphenol, branched and linear	1987-50-4	REACH, SVHC	0,1 % by weight
2,2-bis (4'-hydroxyphenyl )-4-methylpentane	6807-17-6	REACH, SVHC	0,1 % by weight
Bisphenol S (BPS)	80-09-1	REACH, SVHC	0,1 % by weight
Bisphenol B (BPB)	77-40-7	REACH, SVHC	0,1 % by weight

## 18. Nanomaterials

According to Commission recommendation 2011/696/EU: 'Nanomaterial' means a natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1nm-100 nm.

## 19. Pesticides and herbicides

Agricultural pesticides and herbicides may be found in natural fibres, primarily cotton.

Clofenotane, DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)	50-29-3	POP (EU) 2019/1021	N.D.
Chlordane	57-74-9	POP (EU) 2019/1021	N.D.
Difocol	115-32-2	POP (EU) 2019/1021	N.D.
Dieldrin	60-57-1	POP (EU) 2019/1021	N.D.
Endrin	72-20-8	POP (EU) 2019/1021	N.D.
Heptachlor	76-44-8	POP (EU) 2019/1021	N.D.
Endosulfan	115-29-7, 959-98-8, 33213-65-9	POP (EU) 2019/1021	N.D.
Aldrin	309-00-2	POP (EU) 2019/1021	N.D.
Mirex	2385-85-5	POP (EU) 2019/1021	N.D.
Toxaphene	8001-35-2	POP (EU) 2019/1021	N.D.
Polychlorinated naphthalenes	70776-03-3 and others	POP (EU) 2019/1021	N.D.
Dinoseb	88-85-7	REACH, SVHC	0,1 % by weight

## 20. Glycols

1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	REACH, SVHC	0,1 % by weight
Bis(2-methoxyethyl) ether	111-96-6	REACH SVHC + Annex XIV	0,1 % by weight
2-Ethoxyethanol	110-80-5	REACH, SVHC	0,1 % by weight
2-Ethoxyethyl acetate	111-15-9	REACH, SVHC	0,1 % by weight
2-Methoxyethanol	109-86-4	REACH, SVHC	0,1 % by weight
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	REACH, SVHC	0,1 % by weight

## 21. Solvents

SUBSTANCE	CAS NO.	REGULATION	LIMIT
1-Methyl-2-pyrrolidone (NMP)	872-50-4	REACH, SVHC  (EU) 2018/1513 (CMR)	0,1 % by weight  ≤ 3000 mg/kg
Dimethylformamide (DMFA)	68-12-2	REACH, SVHC  (EU) 2018/1513 (CMR)	0,1 % by weight  ≤ 3000 mg/kg
Formamide	75-12-7	REACH, SVHC	0,1 % by weight
Dimethylacetamide (DMAC)	127-19-5	REACH, SVHC  (EU) 2018/1513 (CMR)	0,1 % by weight  ≤ 0,3 % by weight
1,4-dioxane	123-91-1	REACH, SVHC	0,1 % by weight

## 22. Volatile Organic Compounds (VOCs)

These VOCs should not be used in textile auxiliary chemical preparations. They are associated with solvent-based polyurethane coatings and glues/adhesives.

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Benzene	71-43-2	REACH, Annex XVII, (EU) 2018/1513 (CMR)	≤ 5 mg/kg
Chloroform	67-66-3	REACH Annex XIV	0,1 % by weight
1,1-Dichloroethylene	75-35-4	REACH Annex XIV	0,1 % by weight
Pentachloroethane	76-01-7	REACH Annex XIV	0,1 % by weight
1,1,1,2- Tetrachloroethane	630-20-6	REACH Annex XIV	0,1 % by weight

1,1,2,2- Tetrachloroethane	79-34-5	REACH Annex XIV	0,1 % by weight
Toluene	108-88-3	REACH Annex XIV	0,1 % by weight
1,1,2- Trichloroethane	79-00-5	REACH Annex XIV	0,1 % by weight
Trichloroethylene	754-01-6	REACH Annex XIV	0,1 % by weight
1,2-Dichloroethane	107-06-2	REACH SVHC + Annex XIV	0,1 % by weight

## 23. Monomers

Vinyl Chloride is a precursor for polymerization and may be present in various PVC materials like prints, coatings, flip flops, and synthetic leather.

Chloroethene, Vinyl Chloride	75-01-4	REACH, XVII	1 mg/kg
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## 24. Other substances and chemicals

SUBSTANCE	CAS NO.	REGULATION	LIMIT
Dodecamethylcyclohexasiloxane	540-97-6	REACH, Annex XIV	0,1 % by weight
Ethylenediamine	107-15-3	REACH, Annex XIV	0,1 % by weight
Octamethylcyclotetrasiloxane	556-67-2	REACH, Annex XIV	0,1 % by weight
Pentacosafuorotridecanoic acid	72629-94-8	REACH, SVHC	0,1 % by weight
Tricosafuorododecanoic acid	307-55-1	REACH, SVHC	0,1 % by weight
Henicosafuoroundecanoic acid	2058-94-8	REACH, SVHC	0,1 % by weight
Heptacosafuorotetradecanoic acid	376-06-7	REACH, SVHC	0,1 % by weight
(1,1,3,3-tetramethylbutyl)phenol, ethoxylated – covering well-defined substances and UVCB substances, polymers and homologues	N/A	REACH, SVHC	0,1 % by weight
Nonylphenol, branched and linear – substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	N/A	REACH, SVHC	0,1 % by weight
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	REACH, SVHC	0,1 % by weight
Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7	REACH, SVHC	0,1 % by weight

Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	REACH, SVHC	0,1 % by weight
Methoxy acetic acid	625-45-6	REACH, SVHC	0,1 % by weight
1,2-Diethoxyethane	629-14-1	REACH, SVHC	0,1 % by weight
Dibutyltin dichloride (DBT)	683-18-1	REACH, SVHC	0,1 % by weight
Acetic acid, lead salt, basic	51404-69-4	REACH, SVHC	0,1 % by weight
Trilead bis(carbonate)dihydroxide (basic lead carbonate)	1319-46-6	REACH, SVHC	0,1 % by weight
Lead oxide sulfate	12036-76-9	REACH, SVHC	0,1 % by weight
[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	REACH, SVHC	0,1 % by weight
Dioxobis(stearato)trilead	12578-12-0	REACH, SVHC	0,1 % by weight
Fatty acids, C16-18, lead salts	91031-62-8	REACH, SVHC	0,1 % by weight
Lead bis(tetrafluoroborate)	13814-96-5	REACH, SVHC	0,1 % by weight
Lead cyanamidate	20837-86-9	REACH, SVHC	0,1 % by weight
Lead dinitrate	10099-74-8	REACH, SVHC	0,1 % by weight
Lead oxide (lead monoxide)	1317-36-8	REACH, SVHC	0,1 % by weight
Lead tetroxide (orange lead)	1314-41-6	REACH, SVHC	0,1 % by weight
Lead titanium trioxide	12060-00-3	REACH, SVHC	0,1 % by weight
Lead Titanium Zirconium Oxide	12626-81-2	REACH, SVHC	0,1 % by weight
Pentalead tetraoxide sulphate	12065-90-6	REACH, SVHC	0,1 % by weight
Pyrochlore, antimony lead yellow	8012-00-8	REACH, SVHC	0,1 % by weight
Silicic acid, barium salt, lead-doped	68784-75-8	REACH, SVHC	0,1 % by weight
Silicic acid, lead salt	11120-22-2	REACH, SVHC	0,1 % by weight
Sulfurous acid, lead salt, dibasic	62229-08-7	REACH, SVHC	0,1 % by weight
Tetraethyllead	78-00-2	REACH, SVHC + Annex XIV	0,1 % by weight
Tetralead trioxide sulphate	12202-17-4	REACH, SVHC	0,1 % by weight
Trilead dioxide phosphonate	12141-20-7	REACH, SVHC	0,1 % by weight
Furan	110-00-9	REACH, SVHC	0,1 % by weight
Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	REACH, SVHC	0,1 % by weight
Diethyl sulphate	64-67-5	REACH, SVHC	0,1 % by weight
Dimethyl sulphate	77-78-1	REACH, SVHC	0,1 % by weight
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	REACH, SVHC	0,1 % by weight
N-methylacetamide	79-16-3	REACH, SVHC	0,1 % by weight
1-bromopropane	106-94-5	REACH, SVHC	0,1 % by weight
Diboron trioxide	1303-86-2	REACH, SVHC	0,1 % by weight
Lead(II) bis(methanesulfonate)	17570-76-2	REACH, SVHC	0,1 % by weight
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	REACH, SVHC	0,1 % by weight
β -TGIC (1,3,5-tris[(2S and 2R)-2,3-B64epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	REACH, SVHC	0,1 % by weight
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	REACH, SVHC	0,1 % by weight

N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	REACH, SVHC	0,1 % by weight
Dichromium tris(chromate)	24613-89-6	REACH, SVHC	0,1 % by weight
Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	REACH, SVHC	0,1 % by weight
Pentazinc chromate octahydroxide	49663-84-5	REACH, SVHC	0,1 % by weight
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ) c) alkaline oxide and alkali earth oxide ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight	N/A	REACH, SVHC	0,1 % by weight
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00- 8 in Annex VI, part 3, table 3.1 of of Regulation (EC) No 1272/2008 of ) the European Parliament and of the Council of 16 eceMBER 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu\text{m}$ ). c) alkaline oxide and alkali earth oxide $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content less or equal to 18% by weight	N/A	REACH, SVHC	0,1 % by weight
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	REACH SVHC + Annex XIV	0,1 % by weight
Arsenic acid	7778-39-4	REACH SVHC + Annex XIV	0,1 % by weight
Calcium arsenate	7778-44-1	REACH, SVHC	0,1 % by weight
Trilead diarsenate	3687-31-8	REACH, SVHC	0,1 % by weight
Phenolphthalein	77-09-8	REACH, SVHC	0,1 % by weight
Lead azide Lead diazide	13424-46-9	REACH, SVHC	0,1 % by weight

Lead styphnate	15245-44-0	REACH, SVHC	0,1 % by weight
Lead dipicrate	6477-64-1	REACH, SVHC	0,1 % by weight
1,2,3-Trichloropropane	96-18-4	REACH, SVHC	0,1 % by weight
2,4-Dinitrotoluene	121-14-2	REACH SVHC + Annex XIV	0,1 % by weight
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	REACH SVHC + Annex XIV	0,1 % by weight
Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	REACH SVHC + Annex XIV	0,1 % by weight
Acrylamide	79-06-1	REACH, SVHC	0,1 % by weight
Ammonium dichromate	7789-09-5	REACH SVHC + Annex XIV	0,1 % by weight
Anthracene oil	90640-80-5	REACH, SVHC	0,1 % by weight
Anthracene oil, anthracene paste	90640-81-6	REACH SVHC + Annex XIV	0,1 % by weight
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	REACH, SVHC	0,1 % by weight
Anthracene oil, anthracene paste, distn. lights	91995-17-4	REACH, SVHC	0,1 % by weight
Anthracene oil, anthracene-low	90640-82-7	REACH, SVHC	0,1 % by weight
Cobalt dichloride	7646-79-9	REACH, SVHC	0,1 % by weight
Cobalt(II) carbonate	513-79-1	REACH, SVHC	0,1 % by weight
Cobalt(II) diacetate	71-48-7	REACH, SVHC	0,1 % by weight
Cobalt(II) dinitrate	10141-05-6	REACH, SVHC	0,1 % by weight
Cobalt(II) sulphate	10124-43-3	REACH, SVHC	0,1 % by weight
Diarsenic pentaoxide	1303-28-2	REACH SVHC + Annex XIV	0,1 % by weight
Diarsenic trioxide	1327-53-3	REACH SVHC + Annex XIV	0,1 % by weight
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	REACH, SVHC	0,1 % by weight
Hydrazine	302-01-2	REACH, SVHC	0,1 % by weight
Lead chromate	7758-97-6	REACH SVHC + Annex XIV	0,1 % by weight
Lead hydrogen arsenate	7784-40-9	REACH, SVHC	0,1 % by weight
Pitch, coal tar, high temp.	65996-93-2	SVHC	0,1 % by weight
Potassium chromate	7789-00-6	REACH SVHC + Annex XIV	0,1 % by weight
Potassium dichromate	7778-50-9	REACH SVHC + Annex XIV	0,1 % by weight
Sodium chromate	7775-11-3	REACH SVHC + Annex XIV	0,1 % by weight
Sodium dichromate	7789-12-0, 10588-01-9	REACH SVHC + Annex XIV	0,1 % by weight
Strontium chromate	7789-06-2	REACH SVHC + Annex XIV	0,1 % by weight
Tetraboron disodium heptaoxide, hydrate	12267-73-1	REACH, SVHC	0,1 % by weight
Trichloroethylene	79-01-6	REACH SVHC + Annex XIV	0,1 % by weight



Triethyl arsenate	15606-95-8	REACH, SVHC	0,1 % by weight
Cadmium oxide	1306-19-0	REACH, SVHC	0,1 % by weight
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	REACH, SVHC	0,1 % by weight
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well- defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]		REACH, SVHC	0,1 % by weight
Cadmium sulphide	1306-23-6	REACH, SVHC	0,1 % by weight
Imidazolidine-2-thione; 2-imidazoline- 2-thiol	96-45-7	REACH, SVHC	0,1 % by weight
Lead di(acetate)	301-04-2	REACH, SVHC	0,1 % by weight
Cadmium chloride	10108-64-2	REACH, SVHC	0,1 % by weight
Sodium peroxometaborate	7632-04-4	REACH, SVHC + Annex XIV	0,1 % by weight
Sodium perborate; perboric acid, sodium salt	N/A	REACH, SVHC + Annex XIV	0,1 % by weight
Cadmium fluoride	7790-79-6	REACH, SVHC	0,1 % by weight
Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	3648-18-8, 91648-39-4,	REACH, SVHC	0,1 % by weight
Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	REACH, SVHC	0,1 % by weight
2-methylimidazole	693-98-1	REACH, SVHC	0,1 % by weight
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	REACH, SVHC	0,1 % by weight
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	REACH, SVHC	0,1 % by weight
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	3050-88-2, 26523-78-4, 106599-06-8, 1631-13-7	REACH, SVHC	0,1 % by weight
4-tert-butylphenol	98-54-4	REACH, SVHC	0,1 % by weight
2-methoxyethyl acetate	110-49-6	REACH, SVHC	0,1 % by weight
tris(2-methoxyethoxy)vinylsilane	1067-53-4	REACH, SVHC	0,1 % by weight
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	REACH, SVHC	0,1 % by weight

Glutaral	111-30-8	REACH, SVHC	0,1 % by weight
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	80-54-6 75166-30-2 75166-31-3	REACH, SVHC	0,1 % by weight
N-(hydroxymethyl)acrylamide	924-42-5	REACH, SVHC	0,1 % by weight