



MONTAR

Montar Chemical Restrictions



MONTAR

17.04.2023

Montar Chemical Restrictions:

At Montar we wish to make sure that our consumers can trust our products to be free of any unwanted chemicals. Furthermore, we see it as our obligation to make sure that the workers producing our garments are not exposed to dangerous substances in the process. Therefore, we have made this Chemical Restrictions that we need all our suppliers to comply to. **The Chemical Restrictions of Montar is not absolute, and the supplier is obliged to follow any given legislation at any given time. The restrictions apply to all finished products, raw materials, accessories incl. all metal trims, labels, packaging, moisture bags etc.**

Compliance with our Chemical requirements is part of the foundation upon which our cooperation is build, and one of the cornerstones of Montar's work to supply safe and clean products to our valued customers. You as a supplier to Montar is a crucial part of this work, as your supply chain is where the risk of unwanted chemicals being introduced to the process is the biggest. It is your responsibility as our supplier to make sure your supply chain has a set-up that makes it impossible to use unwanted chemicals in the production, so that the end-product will be free of any of these chemicals. You should do this by making sure your sub-suppliers are in compliance and setting up a control procedure and a test program to ensure compliance. Having the right set-up and requirements early in the process, reduces cost and testing further down the supply Chain.

The chemical substances below are either restricted or forbidden by law in the EU countries, Canada, Norway or by national legislation in Denmark or Germany. Some restrictions are included by Montar to set a high level of chemical consumer protection.

It is the responsibility of the supplier to ensure, that the chemicals listed below are either not existing or below the limit stated in our restrictions. Montar will perform random chemical testing to ensure that all our suppliers adhere to our Chemical Restrictions. In case the product fails in test, Montar has the right to cancel the order or ask the supplier to re-make at the cost of the supplier. In case of cancellation, delay, or increased transportation costs, Montar will claim the supplier for this cost including lost profit. Furthermore, any cost regarding legal handling relating to an issue relating to a non-compliance of our Chemical Requirements will be claimed from the supplier who caused the non-compliance.

In case of a failed random test performed by Montar, the cost of this test will be forwarded to the supplier, and a follow up test program for future shipments will be set-up at the expense of the supplier.

Focus on textile business in EU:

In EU there is a huge focus on traceability, environmental footprint, circular economic and due diligence - which all are topics, Montar and you as our supplier, cannot ignore. During the coming year we must adapt to new regulations and demands.

REACH:



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As a supplier to Montar, you are under obligation to abide to REACH – Regulation (EC) No 1907/2006 of the European Parliament and the council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals. And as such you are obliged to constantly keeping yourself up-to-date with any changes in the REACH regulation. This can be done by regularly consulting the following link: <http://echa.europa.eu>

Regarding the REACH Substances of Very High Concern (SVHC's) the limit for all products and packaging is 1000 ppm (0,1%) for each substance on the list - **UNLESS A LOWER LIMIT IS SPECIFIED IN THIS DOCUMENT**. You are obliged to follow the development of this list, as new substances are added on a regular basis. Link to the list: <http://echa.europa.eu/web/guest/candidate-list-table> Currently on 17th of April 2023 the list contains 233 substances. From January 2023 the list has been expanded with 9 new substances and is predicted to be increased during 2023. Please make sure to be updated by checking the list on regular basis.

Substances added from 2017-2023:

Chemical Substances:	CAS number	Appendix:
N,N-dimethylformamide	68-12-2	
Substances in tattoo inks and permanent make up	-	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:02006R1907-20221217&from=EN:#page=566 >Appendix 13
Diisocyanates	-	
1,5-naphthylene diisocyanate	3173-72-6	
4-methyl-m-phenylene diisocyanate	584-84-9	
Hexamethylene diisocyanate	822-06-0	
4,4'-methylenedicyclohexyl diisocyanate	5124-30-1	
2,4'-Methylenediphenyl diisocyanate	5873-54-1	
1,3-bis(isocyanatomethyl)benzene	3634-83-1	
m-tolylidene diisocyanate	26471-62-5	
2-methyl-m-phenylene diisocyanate	91-08-7	
3,3'-dimethylbiphenyl-4,4'-diyl diisocyanate	91-97-4	
4,4'-Methylenediphenyl diisocyanate	101-68-8	
2,4,6-triisopropyl-m-phenylene diisocyanate	2162-73-4	
2,2'-Methylenediphenyl diisocyanate	2536-05-2	
1,3-bis(1-isocyanato-1-methylethyl)benzene	2778-42-9	
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	
(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silanetriol and any of its mono-, di- or tri-O-(alkyl) derivatives	-	
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	51851-37-7	
Trimethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	85857-16-5	
The following substances which are classified as carcinogenic, mutagenic or toxic for reproduction, category 1A or 1B (See group members) [Entry 72]	-	https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:02006R1907-20221217&from=EN:#page=563 >Appendix 12
1-methyl-2-pyrrolidone	872-50-4	
Octamethylcyclotetrasiloxane (D4); Decamethylcyclopentasiloxane (D5)	-	
Octamethylcyclotetrasiloxane	556-67-2	
Decamethylcyclopentasiloxane	541-02-6	
Methanol	67-56-1	
C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); heneicosfluoroundecanoic acid (PFUnDA); tricosfluorododecanoic acid (PFDoDA); pentacosfluorotridecanoic acid (PFTTrDA); heptacosfluorotetradecanoic acid (PFTDA); including their salts and precursors	-	



Tricosafuorododecanoic acid		307-55-1	
Nonadecafluorodecanoic acid		335-76-2	
Pentacosafuorotridecanoic acid		72629-94-8	
Heptacosafuorotetradecanoic acid		376-06-7	
Henicosafuoroundecanoic acid		2058-94-8	
Perfluorononan-1-oic acid		375-95-1	
4,4'-isopropylidenediphenol		80-05-7	

From 2017

Chemical substance		CAS number	Test method	Limit value
	Dyestuffs			
AZO Dyes		Various Substances listed in Appendix 1	LFGB § 64 B82.02-2,-4,-9,-15 EN ISO 14362-1, EN ISO 14362-3 for PAAB Leather: LFGB § 64 B 82.02-3,-9 ISO 17234-1; ISO 17234-2 for PAAB	Not allowed Limit value 20 mg/kg each
Blue color (azocolor), index no. 611-070-00-2		118685-33-9	DIN 54231	Not allowed Limit value 50 mg/kg each
Carcinogenic Dyes		Various Substances listed in Appendix 1	DIN 54231	Not allowed Limit value 50 mg/kg each
Allergenic Dyes		Various Substances listed in Appendix 1	DIN 54231	Not allowed Limit value 75 mg/kg each
Polychlorinated Naphthalenes			May not be used	
Dioxine and Furane Compaounds			May not be used	
Other banned dyestuffs		Various Substances listed in Appendix 1	DIN 54231	Not allowed Limit value 50 mg/kg each
Various				
pH Value			EN ISO 3071 (Textiles) ISO 4045 (Leather)	4.0 – 7.5
Formaldehyde		50-00-0	EN ISO 14184-1 (Textiles) EN ISO 17226-2 (Leather)	Adults: 75 mg/kg
Odour			SNV 195651 modified: grading 1-5	Grade 3
PVC			Beilstein and confirmation by IR	Prohibited
Bisphenol A (BPA)		80-05-7	Regulation (EU) No 10/2011	< 0.6 mg/kg (migration)
	Alkylphenol Ethoxylates (APEO) Surfactant, wetting agent residues			
OP, NP		Various	EN ISO 18254 modified: Determination with GC/MS	Sum of OP and NP Limit value 5 mg/kg
OP, NP, OP(EO) NP(EO)		Various	EN ISO 18254 NP, OP Determination with GC/MS with LCMS confirmation in case of NP detection NPEO, OPEO Determination with LC/MS For leather: EN ISO 18218-2 (mod)	Total sum Limit value 50 mg/kg



Chemical substance	CAS number	Test method	Limit value
Softener			
Phthalates	Various Substances listed in Appendix 1	DIN EN ISO 14389, analysis by GC- MS/ LC-MS Footwear = EN ISO TS 16181	Sum and individual Limit value 1000 mg/kg
Heavy metals			
Total heavy metals only for non-textile accessories and components and coating.			
Cadmium (Cd)	7440-43-9	DIN EN 16711-1 Leather: EN ISO 17072-2 Footwear: DIN EN 14602	Limit value 40 mg/kg
Lead (Pb)	7439-92-1		Limit value 90 mg/kg
Mercury (Hg)	7439-97-6		Not allowed Limit value 1.0 mg/kg
Nickel (Ni)	7440-02-0	Nickel release test EN 1811	0,28 µg /cm/week
Heavy metals in packaging materials Cadmium(Cd) Chromium VI,Mercury(Hg)Lead(Pb)	Various	Others: Acid digestion. ICP analysis. Cr (VI): alkaline digestion UV-Vis analysis.	100 mg/kg (sum)
Extractable Heavy Metals			
Aluminum (Al)	7429-90-5	pr DIN EN 16711-2 Leather: EN ISO 17072-1	Limit value 200 mg/kg
Antimony (Sb)	7440-36-0		Limit value 30 mg/kg
Arsenic (As)	7440-38-2		Limit value 0.2 mg/kg
Cadmium (Cd)	7440-43-9		Limit value 0,1 mg/kg
Chromium (Cr)	7440-47-3		Limit value: 1.0 mg/kg
Chromium (VI) Cr (VI)	188540-29-9		Limit value 0.5 mg/kg
Cobalt (Co)	7440-48-4		Limit value 1.0 mg/kg
Copper (Cu)	7440-50-8		Limit value 50 mg/kg
Lead (Pb)	7439-92-1		Limit value 1.0 mg/kg For Babies 0,2 mg/kg
Mercury (Hg)	7439-97-6		Limit value 0.02 mg/kg
Nickel (Ni)	7440-02-0		Limit value 1.0 mg/kg
Titanium (Ti) (Leather only)	7440-32-6		Limit value 200 mg/kg
Zirconium (Zr) (Leather only)	7440-67-7		Limit value 200 mg/kg
Chromium VI (Leather only)	18540-29-9		ISO 17075
Perfluorinated Chemicals (PFCs)			
Perfluorooctane sulfonate (PFOS) and related	Various	CEN/TS 15968	Not allowed
Perfluorooctanoic acid (PFOA) and related	3825-26-1		Limit value 1 µg /m ²
Other PFCs	Various		Limit value 0,05 mg/kg
Flame retardants			
Flame retardants	Various Substances listed in Appendix 1	DIN EN ISO 17881-1,-2	Not allowed Limit value 10 mg/kg each
SCCP			
Short chain chlorinated paraffin's (SCCP,C10-C13)	85535-84-8	DIN EN ISO 18219 (modified)	Not allowed Limit value 1000 mg/kg
Pesticides			
Pesticides (for natural materials only)	Various substances listed in Appendix I	Extraction with acetone, silica gel clean up, analysis with GC-MS	Not allowed Limit value 1 mg/kg
Phenols			
Pentachlorophenol (PCP)	87-86-5	LFGB §64 82.02.8 DIN EN ISO 17070 (Modified KOH extraction followed by derivatisation)	Limit value 0.25 mg/kg
Tetrachlorophenols (TeCP) Sum	Various Substances listed in Appendix 1		Limit value 0.25 mg/kg
Trichlorophenols (TrCP) sum	Various Substances listed in Appendix 1		Limit value 1.0 mg/kg



Chemical substance	CAS number	Test method	Limit value
Dichlorophenols (DCP) sum	Various Substances listed in Appendix 1		Limit value 1.0 mg/kg
Monochlorophenols (MCP) sum	Various Substances listed in Appendix 1		Limit value 1.0 mg/kg
Orthophenylphenol (OPP)	90-43-7		Limit value 100 mg/kg
Tinorganic Compounds			
Tinorganic Compounds	Various Substances listed in Appendix 1	DIN SPEC 91179/ DIN CEN ISO/TS 16179 (modified)	Not allowed Limit value 0.5 mg/kg (TBT,TPHT) Limit value 0.5 mg/kg (others)
Isocyanates			
Isocyanates	Various Substances listed in Appendix 1	In-house method. Analysis conducted by LC/MS	Not allowed Limit value 50 mg/kg each
Chlorinated organic carriers			
(Di-,Tri-,Tetra-,Penta-,Hexa)Chlorinated Benzenes	Various	DIN 54232	Not allowed Limit value 1.0 mg/kg sum
(Mono-,Di-,Tri-,Tetra-Penta)Chlorinated Toluenes	Various		
Dimethyl Fumerate (DMFu)			
Dimethyl Fumerate (DMFu)	624-49-7	DIN EN ISO/TS 16186	Not allowed Limit value 0.05 mg/kg
Solvent Residues / Volatile Organic Compounds (VOCs)			
Benzene	71-43-2	Headspace GC-MS	Not allowed Limit value 1.0 mg/kg
Toluene	108-88-3		Not allowed Limit value 10 mg/kg
Others	Various Substances listed in Appendix 1		Limit value 10 mg/kg each
Polycyclic aromatic hydrocarbons (PAH)			
Benzo(a)pyrene	50-32-8	AfPS GS 2014: 01 PAK	Limit value 0.5 mg/kg
Benzo(e)pyrene	192-97-2		Limit value 0.5 mg/kg
Benzo(a)anthracene	56-55-3		Limit value 0.5 mg/kg
Chrysene	218-01-9		Limit value 0.5 mg/kg
Benzo(b)fluoranthene	205-99-2		Limit value 0.5 mg/kg
Benzo(j)fluoranthene	205-82-3		Limit value 0.5 mg/kg
Benzo(k)fluoranthene	207-08-9		Limit value 0.5 mg/kg
Dibenz(a,h)anthracene	53-70-3		Limit value 0.5 mg/kg
Other PAH	Various Substances listed in Appendix 1		Sum of all 24 PAHs Limit value 10 mg/kg
Others			
2-Mercaptobenzothiazol (2-MBT)	149-30-4	Extraction with acetonitrile 1h/70°C. HPLC/DAD/MS	Not allowed Limit value 0.1 mg/kg
Dimethylformamide (DMFa)	68-12-2	Solvent Extraction (Methanol, 70°C, 1h)	500 ppm
Butylated Hydroxy Toulene (BHT)	128-37-0		Not Allowed
Cobalt Dichloride	7646-79-9		Not Allowed
Cobalt Chloride	7791-13-1		Not Allowed
Nano materials and nano treatment			Not Allowed
Fragrances			No added fragrances are allowed

APPENDIX 1

AZODYES RELEASING CLEAVABLE ARYLMINES			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO
4-Aminobiphenol	92-67-1	3,3' -Dimethyl-4,4'- diaminobiphenolmethane	838-88-0
Benzidine	92-87-5	p-Cresidine	120-71-8
4-Chloro-o-toluidine	95-69-2	4,4' -Methylene-bis-(2-chloroaniline)	101-14-4
2- Naphthylamine	91-59-8	4,4' -Oxydianiline	101-80-4



o-Aminoazotoluene	97-56-3	4,4' -Thiodianiline	139-65-1
2-Amino-4-nitrotoluene	99-55-8	0 -Toluidine	95-53-4
p-Chloroaniline	106-47-8	2,4 -Toluyldiamine	95-80-7
2,4-Diaminoanisol	615-05-4	2,4,5 -Trimethylaniline	137-17-7
4,4' -Diaminobiphenylmethane	101-77-9	o -Anisidine (2-Methoxyaniline)	90-04-0
3,3' -Dichlorobenzidine	91-94-1	4 -Aminoazobenzene	60-09-3
3,3' -Dimethoxybenzidine	119-90-4	2,4 -Xylidine	95-68-1
3,3' -Dimethylbenzidine	119-93-7	2,6 -Xylidine	87-62-7

Carcinogenic Dyes			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO
Acid Red 26	3761-53-3	Direct Red 28	537-58-0
Basic Red 9	569-61-9	Disperse Blue 1	2475-45-8
Basic Violet 14	632-99-5	Disperse Orange 11	82-28-0
Direct Black 38	1937-37-7	Disperse Yellow 3	2832-40-8
Direct Blue 6	2602-46-2	Pigment Red 104	12646-85-8
Pigment Yellow 34	1344-37-2	Direct Brown	160071-86-6

Allergenic Dyes			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Disperse Blue 1	2475-45-8	Disperse Orange 37/76	13301-61-6
Disperse Blue 3	2475-46-9	Disperse Red 1	2872-52-8
Disperse Blue 7	3179-90-6	Disperse Red 11	2872-48-2
Disperse Blue 26	3860-63-7	Disperse Red 17	3179-89-3
Disperse Blue 35	12222-75-2	Disperse Yellow 1	119-15-3
Disperse Blue 102	12222-97-8	Disperse Yellow 3	2832-40-8
Disperse Blue 106	12223-01-7	Disperse Yellow 9	6373-73-5
Disperse Blue 124	61951-51-7	Disperse Yellow 39	12236-29-2
Disperse Orange 1	258-69-3	Disperse Yellow 49	54824-37-2
Disperse Orange 3	730-40-5	Disperse Brown 1	23355-64-8

Other banned dyestuffs			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Disperse Orange 149	85136-74-9	Disperse Yellow 23	6250-23-3

Phthalates			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Butylbenzylphthalate (BBP)	85-68-7	Di-iso-butylphthalate (DIBP)	84-69-5
Dibutylphthalate (DBP)	84-74-2	Di-iso-decylphthalate (DIDP)	26761-40-0 68515-49-1
Di-(2-ethylhexyl)phthalate (DEHP)	117-81-7	Di-iso-nonylphthalate (DINP)	28553-12-0 68515-48-0
Di-(2-methoxyethyl)phthalate (DMEP)	117-82-8	Di-n-hexylphthalate (DHP)	84-75-3
Di-C6-8-branched alkylphthalates C7 rich (DIHP)	71888-89-6	Di-n-octylphthalate (DNOP)	117-84-0
Di-C7-11-branched and linear alkylphthalates (DHNUP)	68515-42-4	Di-pentylphthalate, (n-, iso- or mixed) (DPP)	131-18-0; 605-50-5; 776297-69-9; 84777-06-0
Di-hexylphthalate, branched and linear (DHxP)	68515-50-4	di-C6-10-alkylphthalates; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC 201-559-5)	68515-51-5 68648-93-1



Dicyclohexyl phthalate (DCHP)	84-61-7		
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Perfluorinated chemicals			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Perfluoroundecanoic acid / heni-cosafluoroundecanoic acid (PFUdA)	2058-94-8	Perfluoroundecanoic acid / tricosfluoroundecanoic acid (PFDoA)	307-55-1
Perfluorotridecanoic acid / pentacosfluorotridecanoic acid (PFTTrDA))	72629-94-8	Perfluorotetradecanoic acid / heptacosfluorotetradecanoic acid(PFTTeDA)	376-06-7
Perfluoroheptanoic acids (PFHpA)	Various	Perfluorododecanoic acids (PFDA)	Various
Perfluorononanoic acids (PFNA)	Various		
Flame retardants			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Boric acid ¹	10043-35-3 11113-50-1	Polybrominated biphenyls (PBB)	59536-65-1
Decabromodiphenylether (decaBDE)	1163-19-5	Tetrabromodiphenylether (tetraBDE)	various
Diboron trioxide ¹	1303-86-2	Tetraboron disodium heptaoxide, hydrate ¹	12267-73-1
Disodium tetraborate, anhydrous ¹	1303-96-4 1330-43-4 12179-04-3	Trisphosphat (2,3-dibromopropyl) (TRIS)	126-72-7
Heptabromodiphenylether (heptaBDE)		Tris-(2-chloroethyl)phosphate (TCEP)	115-96-8
Hexabromocyclododecane (HBCDD)	25637-99-4	Tris-(1,3-dichlor-2propyl) phosphate (TDCPP)	13674-87-8
Hexabromodiphenylether (hexaBDE)	36483-60-0	Tri(aziridinyl)-phosphinoxid (TEPA)	545-55-1
Octabromodiphenylether (octaBDE)	32536-52-0	Trixylylphosphate (TXP)	25155-23-1
Pentabromodiphenylether (pentaBDE)	32534-81-9	Bis(2,3-dibromopropyl)phosphate	5412-25-9

¹ In house method, total digestion, determination of Boron.

Pesticides			
2-(2,4,5-Trichlorophenoxy) propionic acid, salts & compounds ("2,4,5-T")	93-76-5	2,4-Dichloropenoxyacetic acid, salts & compounds ("2,4-D")	94-75-7
Azinophosmethyl	86-50-0	Azinophosethyl	2642-71-9
Aldrine	309-00-2	Bromophos-ethyl	4824-78-6
Captafol	2425-06-1	Carbaryl	63-25-2
Chlordane	57-74-9	Chlordimeform	6164-98-3
Chlorfenvinphos	470-90-6	Coumaphos	56-72-4
Cyfluthrin	68359-37-5	Cyhalothrin	91465-08-6
Cypermethrin	52315-07-8	DEF	78-48-8
Deltamethrin	52918-63-5	DDD	53-19-0, 72-54-8
DDE	3424-82-6, 72-55-9	DDT	50-29-3, 789-02-06
Diazinon	333-41-5	Dichlorprop	120-36-2
Dicrotophos	141-66-2	Dieldrine	60-57-1
Dimethoate	60-51-5	Dinoseb its salts and acetate	88-85-7
Endosulfane, alpha	959-98-8	Endosulfane, beta	33213-65-9
Endrine	72-20-8	Esfenvalerate	66230-04-4
Fenvalerate	51630-58-1	Heptachlor	76-44-8
Heptachloroepoxide	1024-57-3	Hexachlorobenzene	118-74-1
Hexachlorcyclohexane, alpha	319-84-6	Hexachlorcyclohexane, beta	319-85-7
Hexachlorcyclohexane, gamma	319-86-8	Isodrin	465-73-6
Kelevane	4234-79-1	Kepone	143-50-0
Lindane	58-89-9	Malathion	121-75-5
MCPA	94-74-6	MCPB	94-81-5



Mecoprop	93-65-2	Metamidophos	10265-92-6
Methoxychlor	72-43-5	Mirex	2385-85-5
Monocrotophos	6923-22-4	Parathion	56-38-2
Parathion-methyl	298-00-0	Perthrane	72-56-0
Phosdrin/ Mevinphos	7786-34-7	Propethamphos	31218-83-4
Profenophos	41198-08-7	Quinalphos	13583-03-8
Strobane	8001-50-1	Telodrin	297-78-9
Toxaphene	8001-35-2	Trifluralin	1582-09-8
Quintozene	82-68-8	Monomethyl-tetrachlorodiphenyl methane (Ugilec 141)	76253-60-6
Monomethyl-dichlorodiphenyl methane (Ugilec 121 or 121)		Monomethyl-dibromodiphenyl methane	99688-47-8
Halogenated diphenyl methanes		Halogenated diarylalkanes	
Halogenated biphenyls (including PCB)		Polychlorinated biphenyls	1336-36-3
Halogenated tephnyls (Including PCT)		Pentachlorophenol (PCP)	87-68-5
Biocides/antibacterial compounds (Incl Triclosan, Silver and copper compounds)	Triclosan: 3380-34-5	5-chloro-2-Methyl-4-isothiazolin-3-one	26172-55-4
2-methyl-4-isothiazolin-3-one	2682-20-4		

Chlorophenols			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Pentachlorophenol	87-86-5	2,3-Dichlorophenol	576-24-9
2,3,5,6-Tetrachlorophenol	935-95-5	2,4- Dichlorophenol	120-83-2
2,3,4,6- Tetrachlorophenol	58-90-2	2,5- Dichlorophenol	583-78-8
2,3,4,5- Tetrachlorophenol	4901-51-3	2,6- Dichlorophenol	87-65-0
2,3,4-Trichlorophenol	15950-66-0	3,4- Dichlorophenol	95-77-2
2,3,5- Trichlorophenol	933-78-8	3,5- Dichlorophenol	591-35-5
2,3,6- Trichlorophenol	933-75-5	2-Chlorophenol	95-57-8
2,4,5- Trichlorophenol	95-95-4	3- Chlorophenol	108-43-0
2,4,6- Trichlorophenol	88-06-2	4- Chlorophenol	106-48-9
3,4,5- Trichlorophenol	609-19-8		

Tinorganic compounds			
SUBSTANCE	ACRONYM	SUBSTANCE	ACRONYM
Dibutyltin	(DBT)	Tetrabutyltin	(TeBT)
Dimethyltin	(DMT)	Tetraethyltin	(TeET)
Dioctyltin	(DOT)	Tributyltin	(TBT)
Diphenyltin	(DPhT)	Tricyclohexyltin	(TCyHT)
Dipropyltin	(DPT)	Trimethyltin	(TMT)
Monomethyltin	(MMT)	Trioctyltin	(TOT)
Monobutyltin	(MBT)	Triphenyltin	(TPhT)
Monooctyltin	(MOT)	Tripropyltin	(TPT)
Monophenyltin	(MPhT)		

Isocyanates			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Toluene diisocyanate (TDI)	584-84-9, 91-08-7	Diphenylmethane diisocyanate (MDI)	101-68-8
Hexamethylene diisocyanate (HDI)	822-06-0	Isophorone diisocyanate	4098-71-9
Tetramethylxylene diisocyanate (TMXDI)	2778-42-9		

Other solvents / Volatile organic compounds (VOCs)



SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
1,1,1-trichloroethane	71-55-6	Acetone	67-64-1
Cyclohexanone	108-94-1	Ethyl acetate	141-78-6
Isophorone	78-59-1	Methyl ethyl ketone (MEK)	78-93-3
Tetrachloroethylene (perchloroethylene)	127-18-4	Xylenes (Dimethylbenzenes)	1330-20-7

Polycyclic aromatic Hydrocarbons (PAHs)			
SUBSTANCE	CAS NO.	SUBSTANCE	CAS NO.
Acenaphthene	83-32-9	Acenaphthylene	208-96-8
Anthracene	120-12-7	Benzo(ghi)perylene	191-24-2
Fluorene	86-73-7	Fluoranthene	206-44-0
Phenanthrene	85-01-8	Indeno (1,2,3-cd)pyrene	193-39-5
Pyrene	129-00-0	Naphthalene	91-20-3
Benzo[a]anthracene*	56-55-3	Benzo[j]fluoranthene*	205-82-3
Benzo[a]pyrene*	50-32-8	Benzo[k]fluoranthene*	207-08-9
Benzo[b]fluoranthene*	205-99-2	Chrysene*	218-01-9
Benzo[e]pyrene*	192-97-2	Dibenzo[a,h]anthracene*	53-70-3
Cyclopenta[c,d]pyrene	27208-37-3	Dibenzo[a,e]pyrene	191-65-4
Dibenzo[a,h]pyrene	189-64-0	Dibenzo[a,i]pyrene	189-55-9
Dibenzo[a,l]pyrene	191-30-0	1-Methylpyrene	2381-21-7
*EU-PAH		*EU-PAH	