

Chemical Restrictions

**Revision date
2020-07-01**

POLARN O. PYRET

Introduction

Polarn O. Pyret (PO.P) Chemical Restrictions are based on legislations and recommendations from the Swedish Chemicals Group, the list is updated annually. PO.P is working hard to restrict the relevant chemicals in our production. This is to protect the environment, workers' health and ultimately to produce safe products. The list contains regulated chemicals along with their Chemical Abstracts Service number (CAS). The chemicals in the list are completely banned or regulated within quantities that does not cause harm for the user.

All suppliers to Polarn O. Pyret are required to sign an agreement to follow PO.Ps chemical restrictions. Based on a risk assessment PO.P carry out testing of chemicals at accredited third-party laboratories. The samples for testing are picked straight from production or directly from the store.

Restrictions for All Materials

Restricted substance	CAS number
Acetate	
2-methoxyethyl acetate	110-49-6
Biocidal agents including antibacterial treatment	
Silver (Ag) and its salts and compounds	7440-22-4, Various
Triclocarban	101-20-2
Triclosan	3380-34-5
Poly(hexamethylene) biguanide Hydrochloride (PHMB)	27083-27-8 32289-58-0
All other substances used for anti-bacterial treatment	Various
Arsenic compound	
Diarsenic Pentoxide	1303-28-2
Diarsenic Trioxide	1327-53-3
Triethyl arsenate	15606-95-8
Arsenic acid	7778-39-4
Calcium arsenate	7778-44-1
Benzotriazols (UV-Stabilizers)	
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1

Restricted substance	CAS
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3
Bisphenols	
Bisphenol A (BPA)	80-05-7
2,2 bis(4'hydroxyphenyl)-4-methylpentane	6807-17-6
Bisphenols in Polycarbonate (PC), Extractable amount	80-05-7
Dimethylfumarate (DMFu)	
	624-49-7
Flame Retardants	
	-
2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0
Bis(2,3-dibromopropyl)phosphate	5412-25-9
Hexabromocyclododecane (HBCDD)	3194-55-6 25637-99-4 13437-50-6 134237-51-7 134237-52-8
Polybrominated Biphenyls (PBB)	Various
Polybrominated Diphenyl Ethers (PBDE)	Various
Tetrabromobisphenol A (TBBP A)	79-94-7
Tri-o-cresyl phosphate	79-30-8
Triphenyl phosphate (TPhP)	115-86-6
Tris(1,3-dichloroisopropyl)phosphate (TDCP)	13674-87-8
Tris(2,3-dibromopropyl)phosphate (TRIS)	126-72-7
Tris(2-chloroethyl)phosphate (TCEP)	115-96-8
Tris-(aziridinyl)-phosphineoxide (TEPA)	5455-55-1
Trixylyl phosphate	25155-23-1
Dechlorane™	13560-89-9 135821-74-8 135821-03-3
Mineral Oils	
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Restricted substance	CAS
Perfluorinated Alkyl Substances (PFAS) and related substances	
Perfluorobutane Sulfonate (PFBS)	29420-49-3
Perfluorohexane Sulfonate (PFHxS)	3871-99-6
Perfluoroheptane Sulfonate (PFHpS)	375-92-8
Perfluorooctane Sulfonate (PFOS)	1763-23-1
Perfluorodecane Sulfonate (PFDS)	126105-34-8
Perfluorooctane Sulfonamide (PFOSA) 1H,1H,2H,2H H4PFOS; 6:2	754-91-6
Perfluorobutane Acid (PFBA)	375-22-4
Perfluoropentane Acid (PFPA)	2706-90-3
Perfluorohexane Acid (PFHxA)	307-24-4
Perfluoroheptane Acid (PFHpA)	375-85-9
Perfluorooctanoic Acid (PFOA)	335-67-1
Perfluorononane Acid (PFNA)	375-95-1
Perfluorodecane Acid (PFDA)	335-76-2
Perfluoroundecanoic Acid (PFUnA)	4234-23-5
Perfluorododecanoic Acid (PFDoA)	307-55-1
Perfluorotridecanoic Acid (PFTrA)	72629-94-8
Perfluorotetradecanoic Acid (PFTeA)	376-06-7
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6

7H-Dodecanefluoroheptane Acid (HPFHpA)	-
2H,2H-perfluorodecane Acid (H2PFDA)	-
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	34598-33-9
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	27905-45-9
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2

Restricted substance	CAS
1H,1H,2H,2H-Perfluoro-1-oktanol (6:2 FTOH)	647-42-7
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1
2-(N-methylperfluoro-FASE 1 octanesulfonamido)-ethanol (MeFOSE)	2448-09-7
2-(N-ethylperfluoro-1- octanesulfonamido)-ethanol (EtFOSE)	1691-99-2
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2
All other Perfluorinated or Polyfluorinated compounds (fully or partially fluorinated compounds)	Various
Polyvinylchloride (PVC) and similar chlorinated polymers, e.g. Polyvinylchloride and Polychloroprene (neoprene)	
Polyvinylchloride (PVC)	9002-86-2
Polyvinylidenchloride	9002-85-1
Polychloroprene	9010-98-4
Siloxanes	
Octamethylcyclotetrasiloxane (D4)	556-67-2
Decamethylcyclopentasiloxane (D5)	541-02-6
Dodecamethylcyclohexasiloxane (D6)	540-97-6
Cyanoacrylate-based adhesives (Including, but not limited to: Ethyl cyanoacrylate; Methyl cyanoacrylate; Isopropyl cyanoacrylate)	Various

Restrictions for Textile (Natural & Synthetic), incl. print

Restricted substance	CAS
Alkylphenol Ethoxylates / Alkylphenols (APEO /AP)	
Nonylphenol Ethoxylates (NPE)	Various e.g. 9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-870
Octylphenol Ethoxylates (OPE)	Various e.g. 9002-93-1 9036-19-5 68987-90-6
Nonylphenol (NP)	Various e.g.
Octylphenol (OP)	Various e.g.
Cationic Surfactants	
Distearyldimethyl ammoniumchloride (DSDMAC)	107-64-2
Ditallowdimethyl ammoniumchloride (DTDMAC)	68783-78-8
Dihydrogenated tallowdimethyl ammoniumchloride (DHTDMAC)	61789-80-8
Chlorinated Aromatic Hydrocarbons	
Chlorobenzenes	Various
Chlororophthalenes	Various
Chlorotoluenes	Various
Chloroxylenes	Various

Restricted substance	CAS
Chloroparaffins	
Short-chained (SCCP) C10-C13	85535-84-8
Medium-chained (MCCP) C14-C17	85535-85-9
Long-chain chloroparaffins(LCCP) C18-	85535-86-0
Chlorophenols	
<i>Pentachlorophenol (PCP) and its salts and esters</i>	87-86-5
<i>Tetrachlorophenol (TeCP) and its salts and esters</i>	
2,3,4,6-Tetrachlorophenol (2,3,4,6 TeCP)	58-90-2
2,3,5,6 Tetrachlorophenol (2,3,5,6 TeCP)	935-95-5
2,3,4,5-Tetrachlorophenol (2,3,4,5 TeCP)	4901-51-3
Trichlorophenol (TrCP) and its salts and esters	
2,3,4-Trichlorophenol (2,3,4 TriCP)	15950-66-0
2,3,5-Trichlorophenol (2,3,5 TriCP)	933-78-8
2,3,6-Trichlorophenol (2,3,6 TriCP)	933-75-5
2,4,5-Trichlorophenol (2,4,5 TriCP)	95-95-4
2,4,6-Trichlorophenol (2,4,6 TriCP)	88-06-2
3,4,5-Trichlorophenol (3,4,5 TriCP)	609-19-8
Trichlorophenol (TrCP) and its salts and esters	
2,3,4-Trichlorophenol (2,3,4 TriCP)	15950-66-0
2,3,5-Trichlorophenol (2,3,5 TriCP)	933-78-8
2,3,6-Trichlorophenol (2,3,6 TriCP)	933-75-5
2,4,5-Trichlorophenol (2,4,5 TriCP)	95-95-4
2,4,6-Trichlorophenol (2,4,6 TriCP)	88-06-2
3,4,5-Trichlorophenol (3,4,5 TriCP)	609-19-8

Restricted substance	CAS
Azo Dyes & Pigments	
4-aminodiphenyl	92-67-1
Benzidine	92-87-5
4-Chloro-o-toluidine	95-69-2
2-Naphthylamine	91-59-8
o-Aminoazotoluene	97-56-3
2-Amino-4-nitrotoluene	99-55-8
4-chloro-o-toluidinium chloride	3165-93-3
2,4-Diaminoanisole	615-05-4
4,4'-Diaminodiphenylmethane	101-77-9
3,3'-Dichlorobenzidine	91-94-1
Biphenyl-4-ylamine	92-67-1
2-Naphthylammoniumacetate	553-00-4
4-methoxy-m-phenylene diammonium sulphate, 2,4-diaminoanisole sulphate	39156-41-7
2,4,5-trimethylaniline hydrochloride	21436-97-5
3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4
3,3'-Dimethylbenzidine (o-Tolidine)	119-93-7
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
p-Chloroaniline	106-47-8
p-Cresidine	120-71-8
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4
4,4'-Oxydianiline	101-80-4
4,4'-Thiodianiline	139-65-1
2,4-Toluenediamine	95-80-7
o-Toluidine	95-53-4
2,4,5-Trimethylaniline	137-71-7

Restricted substance	CAS
o-Anisidine	90-04-0
p-Aminoazobenzene	60-09-3
2,4-Xylidine	95-68-1
2,6-Xylidine	87-62-7
4-aminoazobenzene	60-09-3
Disperse Dyes/CI no	
Disperse Blue 1 / 64 500	2475-45-8
Disperse Blue 3 / 61 505	2475-46-9
Disperse Blue 7 /62 500	3179-90-6
Disperse Blue 26 / 63 305	3860-63-7 100357-99-1 13324-23-7
Disperse Blue 35 / -	12222-75-2
Disperse Blue 102 / -	12222-97-8, 68516-81-4, 68516-81-4
Disperse Blue 106 /-	12223-01-7
Disperse Blue 124 /-	61951-51-7
Disperse Brown 1 /-	23355-64-8
Disperse Red 1 / 11 100	2872-52-8
Disperse Red 11 / 62 015	2872-48-2
Disperse Red 17 / 11 210	3179-89-3
Disperse Orange 1 /11 080	2581-69-3
Disperse Orange 3 /11 005	730-40-5
Disperse Orange 11 /60 700	82-28-0
Disperse Orange 37 /11 132	12223-33-5
Disperse Orange 76 (previously designated Orange 37) /	51811-42-8
Disperse Orange 149 /	85136-74-9
Disperse Yellow 1 / 10 345	119-15-3
Disperse Yellow 3 / 11855	2832-40-8
Disperse Yellow 9 /10 375	6373-73-5
Disperse Yellow 23 /26 070	6250-22-3

Restricted substance	CAS
Disperse Yellow 23 /26 070	6250-22-3
Disperse Yellow 39 /-	12236-29-2
Disperse Yellow 49 /-	54824-37-2, 12239-15-5
C.I. Disperse Orange 37/59/76	13301-61-6
C.I. Basic Blue 26	2580-56-5
C.I. Basic Violet 3	548-62-9
Michler's base	101-61-1
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1
Navy Blue or Blue colorant (Index no: 611-070-00-2) (EC no: 405-665-4)	-
Acid Red 26 / 16 150	3761-53-3
Basic Red 9 / 42 500	569-61-9
Basic Violet 14 / 42 510	632-99 5
Direct Black 38 / 30 235	1937-37-7
Direct Blue 6 / 22 610	2602-46-2
Direct Brown 95 / 30 145	16071-86-6
Direct Red 28 / 22 120	573-58-0
Solvent Yellow 1 / 11 000	60-09-3
Solvent Yellow 2 / 11 020	97-56-3
Solvent Yellow 3 / 11 160	97-56-3
C.I. Solvent Blue 4	6786-83-0
p-Phenylenediamine / 76 060	106-50-3
Aniline	62-53-3
Formaldehyde	50-00-0
Metals	
Chromium VI (Cr ⁶⁺)	18540-29-9
Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-2

Restricted substance	CAS
Cadmium (Cd)	7440-43-9
Chromium (Cr)	7440-47-3
Cobalt (Co)	7440-48-4
Copper (Cu)	7440-50-8
Lead (Pb)	7439-92-1
Mercury (Hg)	7439-97-6
Nickel (Ni)	7440-02-0
Barium (Ba)	7440-39-3
Selenium (Se)	7782-49-2
Volatile Organic Compounds (VOCs)	
Benzene	71-43-2
Carbon Disulfide	75-15-0
Carbon Tetrachloride	56-23-5
Chloroform	67-66-3
Cyclohexanone	108-94-1
1,2-Dichlorethane	107-06-2
1,1-Dichloroethylene	75-35-4
Ethylbenzene	100-41-4
Pentachloroethane	76-01-7
1,1,1,2,-Tetrachloroethane	630-20-6
1,1,2,2,-Tetrachloroethane	79-34-5
Tetrachloroethylene (PERC)	127-18-4
Toulene	108-88-3
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethylene	79-01-6
Xylene (meta-, ortho, para-)	1330-20-7, 108-38-3, 95-47-6, 106-42-3

Restricted substance	CAS
Organotin compounds	
Dibutyltin (DBT)	1002-53-5
Diocetyl tin (DOT)	-
Tributyltin (TBT)	56573-85-4
Tricyclohexyltin (TCyHT)	6056-50-4
Triocetyl tin (TOT)	250252-89-2
Triphenyltin (TPhT)	668-34-8
Tripropyltin (TPT)	-
Sum of other not listed trisubstituted organotins	-
Pesticides	
Dieldrine	60-57-1
Aldrine	309-00-2
Captafol	2425-06-1
Chlordane	57-74-9
Chlordecone (kepon)	143-50-0
Chlordimerform	6164-98-3
Chlorobenzilate	510-15-6
DDD	72-54-8
DDE	72-55-9
DDT	50-29-3
Dibromochloropropane (DBCP)	96-12-08
Dinoseb	88-85-7
DTTB-(Timiperone)	57648-21-2
Endrine	72-20-8
Endosulphane	115-29-7, 3321365-9

Restricted substance	CAS
Ethylene dibromide	106-93-4
Heptachlor	76-44-8
Heptachloroepoxide	1024-57-3
Hexachlorobenzene	118-74-1
α -Hexachlorocyclohexane	319-84-6
β -Hexachlorocyclohexane	319-85-7
δ -Hexachlorocyclohexane	319-86-8
Lindane (γ -Hexachlorocyclohexane)	58-89-9
Isodrin	465-73-6
Kelevane	4234-79-1
Metamidophos	10265-92-6
Methoxychlor	72-43-5
Mirex	2385-85-5
Monocrotophos	6923-22-4
Monomethyldibromodiphenylmethane	99688-47-8
Monomethyltetrachlorodiphenylmethane	76253-60-6
Parathion	56-38-2
Parathion-methyl	298-00-0
Perthane (Ethylane)	72-56-0
Phosphamidone	13171-21-6
Quintozene	82-68-8
Strobane	8001-50-1
Telodrin (Isobenzan)	297-78-9
Toxaphene (Camphechlorine)	8001-35-2
Halogenated biphenyls with the formula C ₁₂ H _n X _{10-n} x=halogen, n=1,2...9	Various

Restricted substance	CAS
Halogenated terphenyls with the formula C ₁₈ H _n X _{14-n} x=halogen, n=1,2...13	Various
Halogenated naphthalenes with the formula C ₁₀ H _n X _{8-n} x=halogen, n=1,2...7	Various
2-(2,4,5-Trichlorophenoxy) propionic acid and its salts and 2-(2,4,5-Trichlorophenoxy) propionyl compounds (2,4-D)	Various
2,4,5-Trichlorophenoxyacetic acid and its salts and 2,4,5-Trichlorophenoxyacetyl compounds (2,4,5-T)	Various
Phenols	
o-Phenylphenol (OPP)	90-43-7
Phthalates – including all other esters of ortho-phthalic acid	
Butyl benzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7
Diisobutyl phthalate (DIBP)	84-69-5
Diisodecyl phthalate (DIDP)	26761-40-0
Diisononyl phthalate (DINP)	28553-12-0
Di-n-octyl phthalate (DNOP)	117-84-0
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
Di-n-hexyl phthalate (DnHP)	84-75-3
Dinonyl phthalate (DNP)	84-76-4
Diethyl phthalate (DEP)	84-66-2
Di-n-propyl phthalate (DPRP)	131-16-8
Diisopentylphthalate (DIPP)	605-50-5
n-Pentylisopentylphthalate (NPIPP)	776297-69-9
Di-cyclohexyl phthalate (DCHP)	84-61-7
Di-iso-octyl phthalate (DIOP)	27554-26-3
Di-n-pentylphthalate (DPP)	131-18-0

Restricted substance	CAS
Dihexylphthalate, branched and linear	68515-50-4
Dimethylphthalate (DMP)	131-11-3
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
1,2-benzenedicarboxylic acid, di-C7-11- branched and linearalkyl esters (DHNUP)	68515-42-4
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters,C7-rich (DIHP)	71888-89-6
Diisohexyl phthalate	71850-09-4
Polychlorinated Biphenyls (PCB)	1336-36-3
Polychlorinated Triphenyls (PCT)	61788-33-8
Polyaromatic Hydrocarbons (PAH)	
Benzo(a)anthracene	56-55-3
Benzo(a)pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Benzo(e)pyrene	192-97-2
Benzo(g,h,i)perylene	191-24-2
Benzo(j)fluoranthene	205-82-3
Benzo(k)fluoranthene	207-08-9
Chrysene	218-01-9
Dibenzo(a,h)anthracene	53-70-3
Indeno(1,2,3-c,d)pyrene	193-39-5
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Anthracene	120-12-7
Fluoranthene	206-44-0
Phenanthrene	85-01-8
Pyrene	129-00-0
Naphthalene	91-20-3

Restricted substance	CAS
Triclosan	3380-34-5
Quinoline	91-22-5

Restrictions for Leather

Restricted substance	CAS
Alkylphenol Ethoxylates /Alkylphenols (APEO/AP)	
Nonylphenol Ethoxylates (NPE)	Various e.g. 9016-45-9 26027-38-3 37205-87-1 68412-54-4
Octylphenol Ethoxylates (OPE)	Various e.g. 9002-93-1 9036-19-5 68987-90-6
Nonylphenol (NP)	Various e.g.104-40-5, 11066-49-2, 25154-52-3, 84852-15-3
Octylphenol (OP)	Various e.g.140-66-9, 1806-26-4, 27193-28-8
Chlorinated Aromatic Hydrocarbons	
Chlorobenzenes	Various
Chloronaphthalenes	Various
Chlorortoluenes	Various
Chloroxylenes	Various
Chloroparaffins	
Short-chained (SCCP) C10-C13	85535-84-8
Medium-chained (MCCP) C14-C17	85535-85-9
Long-chain chloroparaffins (LCCP) (C18-)	85535-86-0
Chlorophenols	
Pentachlorophenol (PCP) and its salts and esters	87-86-5
Tetrachlorophenol (TeCP) and its salts and esters	
2,3,4,6-Tetrachlorophenol (2,3,4,6 TeCP)	58-90-2
2,3,5,6 Tetrachlorophenol (2,3,5,6 TeCP)	935-95-5
2,3,4,5-Tetrachlorophenol (2,3,4,5 TeCP)	4901-51-3
Trichlorophenol (TrCP) and its salts and esters	
2,3,4-Trichlorophenol (2,3,4 TriCP)	15950-66-0
2,3,5-Trichlorophenol (2,3,5 TriCP)	933-78-8
2,3,6-Trichlorophenol (2,3,6 TriCP)	933-75-5
2,4,5-Trichlorophenol (2,4,5 TriCP)	95-95-4
2,4,6-Trichlorophenol (2,4,6 TriCP)	88-06-2

Restricted substance	CAS
3,4,5-Trichlorophenol (3,4,5 TriCP)	609-19-8
Azo Dyes & Pigments	
4-aminodiphenyl	92-67-1
Benzidine	92-87-5
4-Chloro-o-toludine	95-69-2
2-Naphthylamine	91-59-8
o-Aminoazotoluene	97-56-3
2-Amino-4-nitrotoluene	99-55-8
4-chloro-o-toluidinium chloride	3165-93-3
2,4-Diaminoanisole	615-05-4
4,4'-Diaminodiphenylmethane	101-77-9
3,3'-Dichlorobenzidine	91-94-1
Biphenyl-4-ylamine	92-67-1
2-Naphthylammoniumacetate	553-00-4
4-methoxy-m-phenylene diammonium sulphate;2,4-diaminoanisole sulphate	39156-41-7
2,4,5-trimethylaniline hydrochloride	21436-97-5
3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4
3,3'-Dimethylbenzidine (o-Tolidine)	119-93-7
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
p-Chloroaniline	106-47-8
p-Cresidine	120-71-8
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4
4,4'-Oxydianiline	101-80-4

Restricted substance	CAS
4,4'-Thiodianiline	139-65-1
2,4-Toluenediamine	95-80-7
o-Toluidine	95-53-4
2,4,5-Trimethylaniline	137-71-7
o-Anisidine	90-04-0
p-Aminoazobenzene	60-09-3
2,4-Xylidine	95-68-1
2,6-Xylidine	87-62-7
4-aminoazobenzene	60-09-3
Navy Blue or Blue colorant (Index no: 611-070-00-2) (EC no: 405-665-4)	-
Other Dyes / CI no	
Acid Red 26 / 16 150	3761-53-3
Basic Red 9 / 42 500	569-61-9
Basic Violet 14 / 42 510	632-99 5
Direct Black 38 / 30 235	1937-37-7
Direct Blue 6 / 22 610	2602-46-2
Direct Brown 95 / 30 145	16071-86-6
Direct Red 28 / 22 120	573-58-0
Solvent Yellow 1 / 11 000	60-09-3
Solvent Yellow 2 / 11 020	97-56-3
Solvent Yellow 3 / 11 160	97-56-3
p-phenylenediamine / 76 060	106-50-3
Aniline	62-53-3
Formaldehyde	50-00-00

Restricted substance	CAS
Metals	
Cobalt (Co)	7440-48-4
Nickel (Ni)	7440-02-0
Antimony (Sb)	7440-36-0
Barium (Ba)	7440-39-3
Chromium III (Cr ³⁺)	16065-83-1
Chromium VI (Cr ⁶⁺)	18540-29-9
Selenium (Se)	7782-49-2
Arsenic (As)	7440-38-2
Cadmium (Cd)	7440-43-9
Lead (Pb)	7439-92-1
Mercury (Hg)	7439-97-6
Organotin Compounds	
Dibutyltin (DBT)	1002-53-5
Diocetyl tin (DOT)	-
Tributyltin (TBT)	56573-85-4
Tricyclohexyltin (TCyHT)	6056-50-4
Triocetyl tin (TOT)	250252-89-2
Triphenyltin (TPhT)	668-34-8
Tripropyltin (TPT)	-
Sum of other not listed trisubstituted organotins	-

Restricted substance	CAS
Pesticides	
Dieldrine	60-57-1
Aldrine	309-00-2
Captafol	2425-06-1
Chlordane	57-74-9
Chlordecone (kepon)	143-50-0
Chlordimerform	6164-98-3
Chlorobenzilate	510-15-6
DDD	72-54-8
DDE	72-55-9
DDT	50-29-3
Dibromochloropropane (DBCP)	96-12-08
Dinoseb	88-85-7
DTTB-(Timiperone)	57648-21-2
Endrine	72-20-8
Endosulphane	115-29-7, 3321365-9
Ethylene dibromide	106-93-4
Heptachlor	76-44-8
Heptachloroepoxide	1024-57-3
Hexachlorobenzene	118-74-1
α -Hexachlorcyclohexane	319-84-6
13-Hexachlorcyclohexane	319-85-7
6-Hexachlorcyclohexane	319-86-8
Lindane (γ -Hexachlorcyclohexane)	58-89-9
Isodrin	465-73-6
Kelevane	4234-79-1

Restricted substance	CAS
Metamidophos	10265-92-6
Methoxychlor	72-43-5
Mirex	2385-85-5
Monocrotophos	6923-22-4
Monomethyldibromodiphenylmethane	99688-47-8
Monomethyldichlorodiphenylmethane	-
Monomethyltetrachlorodiphenylmethane	76253-60-6
Parathion	56-38-2
Parathion-methyl	298-00-0
Perthane (Ethylane)	72-56-0
Phosphamidone	13171-21-6
Quintozene	82-68-8
Strobane	8001-50-1
Telodrin (Isobenzan)	297-78-9
Toxaphene (Camphechlorine)	8001-35-2
Halogenated biphenyls with the formula $C_{12}H_nX_{10-n}$ x=halogen, n=1,2...9	Various
Halogenated terphenyls with the formula $C_{18}H_nX_{14-n}$ x=halogen, n=1,2...13	Various
Halogenated naphthalenes with the formula $C_{10}H_nX_8-n$ x=halogen, n=1,2...7	Various
2-(2,4,5-Trichlorophenoxy) propionic acid and its salts and 2-(2,4,5-Trichlorophenoxy) propionyl compounds (2,4-D)	Various
2,4,5-Trichlorophenoxyacetic acid and its salts and 2,4,5-Trichlorophenoxyacetyl compounds (2,4,5-T)	Various

Restricted substance	CAS
Preservative agents	
o-Phenylphenol (OPP)	90-43-7
4-chloro-3-methylphenol (PCMC)	59-50-7
2-(thiocyanomethylthio)-benzothiazole (TCMTB)	21564-17-0
2-octylisothiazol-3(2H)-one (OIT)	26530-20-1
Polyaromatic Hydrocarbons (PAH)	
Benzo(a)anthracene	56-55-3
Benzo(a)pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Benzo(e)pyrene	192-97-2
Benzo(g,h,i)perylene	191-24-2
Benzo(j)fluoranthene	205-82-3
Benzo(k)fluoranthene	207-08-9
Chrysene	218-01-9
Dibenzo(a,h)anthracene	53-70-3
Indeno(1,2,3-c,d)pyrene	193-39-5
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Anthracene	120-12-7
Fluoranthene	206-44-0
Fluorene	86-73-7
Phenanthrene	85-01-8
Pyrene	129-00-0
Naphthalene	91-20-3
Naphthalene	91-20-3
Polychlorinated Biphenyls (PCB)	1336-36-3
Polychlorinated Triphenyls (PCT)	61788-33-8

Restrictions for Plastic, Rubber, Paint, Surface coating & Foam

Restricted substance	CAS
Alkylphenol Ethoxylates /Alkylphenols (APEO/AP)	
Nonylphenol Ethoxylates (NPE)	Various e.g.9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-870
Octylphenol Ethoxylates (OPE)	Various e.g.9002-93-1, 9036-19-5, 68987-90-6
Nonylphenol (NP)	Various e.g.104-40-5, 11066-49-2, 25154-52-3, 84852-15-3
Octylphenol (OP)	Various e.g.140-66-9, 1806-26-4, 27193-28-8
Chloroparaffins	
Short-chained (SCCP) C10-C13	85535-84-8
Medium-chained (MCCP) C14-C17	85535-85-9
Long-chain chloroparaffins (LCCP) C18-	85535-86-0
Chlorophenols	
<i>Pentachlorophenol (PCP) and its salts and esters</i>	87-86-5
<i>Tetrachlorophenol (TeCP) and its salts and esters</i>	
2,3,4,6-Tetrachlorophenol (2,3,4,6 TeCP)	58-90-2
2,3,5,6 Tetrachlorophenol (2,3,5,6 TeCP)	935-95-5
2,3,4,5-Tetrachlorophenol (2,3,4,5 TeCP)	4901-51-3
<i>Trichlorophenol (TrCP) and its salts and esters</i>	
2,3,4-Trichlorophenol (2,3,4 TriCP)	15950-66-0
2,3,5-Trichlorophenol (2,3,5 TriCP)	933-78-8
2,3,6-Trichlorophenol (2,3,6 TriCP)	933-75-5
2,4,5-Trichlorophenol (2,4,5 TriCP)	95-95-4
2,4,6-Trichlorophenol (2,4,6 TriCP)	88-06-2
3,4,5-Trichlorophenol (3,4,5 TriCP)	609-19-8

Restricted substance	CAS
N, N- dimethylformamide (DMFa)	68-12-2
N,N-dimethylacetamide (DMAC)	127-19-5
N-methyl-2-pyrrolidone (NMP)	872-50-4
Formamide	75-12-7
Formaldehyde	50-00-00
Isocyanates	
Diphenylmethane diisocyanate (MDI)	101-68-8
Hexamethylene diisocyanate (HMDI)	822-06-0
Isophorone diisocyanate (IPDI)	4098-71-9
Tetramethylxylene diisocyanate (TMXDI)	2778-42-9
2,4-Toluene diisocyanate (2,4 TDI)	584-84-9
2,6-Toluene diisocyanate (2,6 TDI)	91-08-7
Metals	
Cadmium (Cd)	7440-43-9
Lead (Pb)	7439-92-1
Mercury (Hg)	7439-97-6
Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-2
Barium (Ba)	7440-39-3
Chromium (Cr)	7440-47-3
Selenium (Se)	7782-49-2
N-nitrosamines	
N-nitrosodimethylamine	62-75-9
N-nitrosodiethylamine	55-18-5
N-nitrosodipropylamine	621-64-7

Restricted substance	CAS
N-nitrosodibutylamine	924-16-3
N-nitrosopiperidine	100-75-4
N-nitrosopyrrolidine	930-55-2
N-nitrosomorpholine	59-89-2
N-nitroso-N-methylaniline	614-00-6
N-nitroso-N-ethylaniline	612-64-6
Organotin Compounds	
Dibutyltin (DBT)	1002-53-5
Diocetyl tin (DOT)	-
Tributyltin (TBT)	56573-85-4
Tricyclohexyltin (TCyHT)	6056-50-4
Triocetyl tin (TOT)	250252-89-2
Triphenyltin (TPhT)	668-34-8
Tripropyltin (TPT)	-
Sum of other not listed trisubstituted organotins	-
Organic compounds	
Ethylenediamine (EDA)	107-15-3
Organosulfur compounds	
Imidazolidine-2-thione (2-imidazoline-2-thiol) ethylenethiourea	96-45-7
o-Phenylphenol (OPP)	90-43-7
Phthalates – including all other esters of ortho-phthalic acid	
Butyl benzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7
Diisobutyl phthalate (DIBP)	84-69-5
Diisodecyl phthalate (DIDP)	26761-40-0
Diisononyl phthalate (DINP)	28553-12-0
Di-n-octyl phthalate (DNOP)	117-84-0

Restricted substance	CAS
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
Di-n-hexyl phthalate (DnHP)	84-75-3
Dinonyl phthalate (DNP)	84-76-4
Diethyl phthalate (DEP)	84-66-2
Di-n-propyl phthalate (DPRP)	131-16-8
Diisopentylphthalate (DIPP)	605-50-5
n-Pentylisopentylphthalate (NPIPP)	776297-69-9
Di-cyclohexyl phthalate (DCHP)	84-61-7
Di-iso-octyl phthalate (DIOP)	27554-26-3
Di-n-pentylphthalate (DPP)	131-18-0
Dihexylphthalate, branched and linear	68515-50-4
Dimethylphthalate (DMP)	131-11-3
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
1,2-benzenedicarboxylic acid, di-C7-11- branched and linearalkyl esters (DHNUP)	68515-42-4
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	68648-93-1
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6
Diisohexyl phthalate	71850-09-4
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters with $\geq 0.3\%$ of dihexyl phthalate	68515-51-5
Polyaromatic Hydrocarbons (PAH)	
Benzo(a)anthracene	56-55-3
Benzo(a)pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Benzo(e)pyrene	192-97-2
Benzo(g,h,i)perylene	191-24-2
Benzo(j)fluoranthene	205-82-3

Benzo(k)fluoranthene	207-08-9
Restricted substance	CAS
Chrysene	218-01-9
Dibenzo(a,h)anthracene	53-70-3
Indeno(1,2,3-c,d)pyrene	193-39-5
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Anthracene	120-12-7
Fluoranthene	206-44-0
Fluorene	86-73-7
Phenanthrene	85-01-8
Pyrene	129-00-0
Naphthalene	91-20-3
Polychlorinated Biphenyls (PCB)	1336-36-3
Polychlorinated Triphenyls (PCT)	61788-33-8
Triclosan	3380-34-5

Restrictions for Metal

Restricted substance	CAS
Metals	
Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-2
Barium (Ba)	7440-39-3
Chromium (Cr)	7440-47-3
Selenium (Se)	7782-49-2
Cadmium (Cd)	7440-43-9
Lead (Pb):	7439-92-1
Mercury (Hg)	7439-97-6
Nickel (Ni)	7440-02-0

Restriction for Paper, Wood and Natural Straw

Restricted substance	CAS
Alkylphenol Ethoxylates / Alkylphenols (APEO/AP)	
Nonylphenol Ethoxylates (NPE)	Various e.g. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-870
Octylphenol Ethoxylates (OPE)	Various e.g. 9002-93-1, 9036-19-5, 68987-90-6
Nonylphenol (NP)	Various e.g. 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3
Octylphenol (OP)	Various e.g. 140-66-9, 1806-26-4, 27193-28-8
Boric acid, borate compounds	
Boric acid	10043-35-3
Disodium tetraborate anhydrous	303-96-4
Tetraboron disodium heptaoxid, hydrate	12267-73-1
Sodium perborate; perboric acid, sodium salt	234-390-0
Sodium peroxometaborate	7632-04-04
Disodium octaborate	12008-41-2
Chlorophenols	
Pentachlorophenol (PCP) and its salts and esters	87-86-5
Formaldehyde	50-00-00
Metals	
Arsenic (As)	7440-38-2
Cadmium (Cd)	7440-43-9
Lead (Pb)	7439-92-1
Mercury (Hg)	7439-97-6
Chromium VI (Cr ⁶⁺)	18540-29-9
Antimony (Sb)	7440-36-0
Arsenic (As)	7440-38-2
Barium (Ba)	7440-39-3

Restricted substance	CAS
Chromium (Cr)	7440-47-3
Selenium (Se)	7782-49-2

Restriction for Fusing, Padding, Feather and Down

Restricted substance	CAS
Alkylphenol Ethoxylates / Alkylphenols (APEO /AP)	
Nonylphenol Ethoxylates (NPE)	Various e.g. 9016-45-9, 26027-38-3, 37205-87-1, 68412-54-4, 127087-870
Octylphenol Ethoxylates (OPE)	Various e.g. 9002-93-1, 9036-19-5, 68987-90-6
Nonylphenol (NP)	Various e.g. 104-40-5, 11066-49-2, 25154-52-3, 84852-15-3
Octylphenol (OP)	Various e.g. 140-66-9, 1806-26-4, 27193-28-8
Cationic Surfactants	
Distearyldimethyl ammoniumchloride (DSDMAC)	107-64-2
Ditallowdimethyl ammoniumchloride (DTDMAC)	68783-78-8
Dihydrogenated tallowdimethyl ammoniumchloride (DHTDMAC)	61789-80-8
Formaldehyde	50-00-00
Isocyanates	
Diphenylmethane diisocyanate (MDI)	101-68-8
Hexamethylene diisocyanate (HMDI)	822-06-0
Isophorone diisocyanate (IPDI)	4098-71-9
Tetramethylxylene diisocyanate (TMXDI)	2778-42-9
2,4-Toluene diisocyanate (2,4 TDI)	584-84-9
2,6-Toluene diisocyanate (2,6 TDI)	91-08-7
Metals	
Cadmium (Cd)	7440-43-9
Lead (Pb)	7439-92-7
Antimony (Sb)	7440-36-0
Barium (Ba)	7440-39-3
Chromium III (Cr ³⁺)	16065-83-1
Chromium VI (Cr ⁶⁺)	18540-29-9
Selenium (Se)	7782-49-2

Restricted substance	CAS
Organotin Compounds	
Dibutyltin (DBT)	1002-53-5
Diocetyl tin (DOT)	-
Tributyltin (TBT)	56573-85-4
Tricyclohexyltin (TCyHT)	6056-50-4
Triocetyl tin (TOT)	250252-89-2
Diocetyl tin (DOT)	870-08-6
Dibutyltin (DBT)	78-04-6
Tributyltin (TBT)	56-35-9
Triphenyltin (TPHT)	668-34-8
Tripopyltin (TPT)	-
Sum of other not listed trisubstituted organotins	-
Phthalates – including all other esters of ortho-phthalic acid	
Butyl benzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Di(2-ethylhexyl) phthalate (DEHP)	117-81-7
Diisobutyl phthalate (DIBP)	84-69-5
Diisodecyl phthalate (DIDP)	26761-40-0
Diisononyl phthalate (DINP)	28553-12-0
Di-n-octyl phthalate (DNOP)	117-84-0
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
Di-n-hexyl phthalate (DnHP)	84-75-3
Dinonyl phthalate (DNP)	84-76-4
Diethyl phthalate (DEP)	84-66-2
Di-n-propyl phthalate (DPRP)	131-16-8
Diisopentylphthalate (DIPP)	605-50-5
n-Pentylisopentylphthalate (NPIPP)	776297-69-9
Di-cyclohexyl phthalate (DCHP)	84-61-7

Restricted substance	CAS
Di-iso-octyl phthalate (DIOP)	27554-26-3
Di-n-pentylphthalate (DPP)	131-18-0
Dihexylphthalate, branched and linear	68515-50-4
Dimethylphthalate (DMP)	131-11-3
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
1,2-benzenedicarboxylic acid, di-C7-11- branched and linearalkyl esters(DHNUP)	68515-42-4
1,2-benzenedicarboxylic acid,di-C6-8- branched alkyl esters,C7-rich (DIHP)	71888-89-6
Diisohexyl phthalate	71850-09-4

Restriction for Mechanically Recycled Natural & Synthetic Materials and Remade Materials

Restricted substance	CAS
Alkylphenol Ethoxylates / Alkylphenols (APEO/AP)	
Nonylphenol Ethoxylates (NPE)	Various e.g. 9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-870
Octylphenol Ethoxylates (OPE)	Various e.g. 9002-93-1 9036-19-5 68987-90-6
Nonylphenol (NP)	Various e.g. 104-40-5 11066-49-2 25154-52-3 84852-15-3
Octylphenol (OP)	Various e.g. 140-66-9 1806-26-4 27193-28-8

Restricted substance	CAS
Cationic Surfactants	
Distearyldimethyl ammoniumchloride (DSDMAC)	107-64-2
Ditallowdimethyl ammoniumchloride (DTDMAC)	68783-78-8
Dihydrogenated tallowdimethyl ammoniumchloride (DHTDMAC)	61789-80-8
Chloroparaffins	
Short-chained (SCCP) C10-C13	85535-84-8
Medium-chained (MCCP) C14-C17	85535-85-9
Long-chained (LCCP) C18-	85535-86-0
Chromium (Cr)	
Perfluorinated Alkyl Substances (PFAS) and related substances	
Perfluorobutane Sulfonate (PFBS)	29420-49-3
Perfluorohexane Sulfonate (PFHxS)	3871-99-6
Perfluoroheptane Sulfonate (PFHpS)	375-92-8
Perfluorooctane Sulfonate (PFOS)	1763-23-1
Perfluorodecane Sulfonate (PFDS)	126105-34-8
Perfluorooctane Sulfonamide (PFOSA) 1H,1H,2H,2H H4PFOS; 6:2	754-91-6
Perfluorobutane Acid (PFBA)	375-22-4
Perfluoropentane Acid (PFPA)	2706-90-3
Perfluorohexane Acid (PFHxA)	307-24-4
Perfluoroheptane Acid (PFHpA)	375-85-9
Perfluorooctanoic Acid (PFOA)	335-67-1
Perfluorononane Acid (PFNA)	375-95-1
Perfluorodecane Acid (PFDA)	335-76-2
Perfluoroundecanoic Acid (PFUnA)	4234-23-5, 2058-94-8
Perfluorododecanoic Acid (PFDoA)	307-55-1

Restricted substance	CAS
Perfluorotridecanoic Acid (PFTrA)	72629-94-8
Perfluorotetradecanoic Acid (PFTeA)	376-06-7
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6
7H-Dodecanefluoroheptane Acid (HPFHpA)	-
2H,2H-perfluorodecane Acid (H2PFDA)	-
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	34598-33-9
1H,1H,2H,2HPerfluorooctylacrylate(6:2FTA)	17527-29-6
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	27905-45-9
1H,1H,2H,2HPerfluorododecylacrylate(10:2FTA)	17741-60-5
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2
1H,1H,2H,2H-Perfluoro-1-oktanol (6:2 FTOH)	647-42-7
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2FTOH)	865-86-1
2-(N-methylperfluoro-FASE 1 octanesulfonamido)-ethanol (MeFOSE)	2448-09-7
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE)	1691-99-2
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8
N-ethylperfluoro-1-octanesulfonamide(EtFOSA)	4151-50-2
All other Perfluorinated or Polyfluorinated compounds (fully or partially fluorinated)	Various