

Rstricted Substance List- Nubyen



GROUP 1

Restricted substance	CAS No.	Remark
Alkylphenol Ethoxylates / Alkylphenols (APEOs/APs)		
Nonylphenol Ethoxylates (NPEO)	9016-45-9 26027-38-3 37205-87-1 68412-54-4 127087-87-0	
Nonylphenoethoxylates (NP1EO)	104-35-8	
Octylphenol Ethoxylates (OPEO)	9002-93-1 9036-19-5 68987-90-6	
Octylphenoethoxylates (OP1EO)	51437-89-9	
Nonylphenol (NP)	104-40-5 11066-49-2 25154-52-3 84852-15-3	
Octylphenol (OP)	140-66-9 1806-26-4 27193-28-8	
2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol	25973-55-1	
Chlorinated Aromatic Hydrocarbons		
1,2-dichlorobenzene	95-50-1	
Other isomers of mono-, di-, tri-, tetra-, penta- and hexa-chlorobenzene, chlorotoluene, chloronaphthalene, chloroxylene		
Chlorinated Bleaching Agents		Finishing treatments with chlorinated bleaching agents can only be used in denim production.

GROUP 1		
Restricted substance	CAS No.	Remark
Organic solvents		
<ul style="list-style-type: none"> Chlorinated Organic Solvents 		
Chloroform	67-66-3	
1,1-Dichloroethane	75-34-3	
1,2-Dichloroethane	107-06-2	
1,1-Dichloroethylene	75-35-4	
cis-1,2-Dichloroethylene	156-59-2	
trans-1,2-Dichloroethylene	156-60-5	
1,1,1-Trichloroethane	71-55-6	
1,1,2-Trichloroethane	79-00-5	
Trichloroethylene	79-01-6	
1,1,1,2-Tetrachloroethane	630-20-6	
1,1,2,2-Tetrachloroethane	79-34-5	
Tetrachloroethylene	127-18-4	
Pentachloroethane	76-01-7	
Methylene Chloride	75-09-2	
Carbon Tetrachloride	56-23-5	
1,2,3-Trichloropropane	96-18-4	
<ul style="list-style-type: none"> Brominated Organic Solvent 		
1-bromopropane (n-propyl bromide)	106-94-5	
2-bromopropane	75-26-3	
<ul style="list-style-type: none"> Dimethylformamide (DMF) 		
Dimethylformamide (DMF)	68-12-2	Usage ban except during PU production. Please see below for more info about PU production.

GROUP 1

Restricted substance	CAS No.	Remark
Organic solvents		
• Others		
Benzene (Benzol)	71-43-2	
1,4-Butanediol ²	110-63-4	
Dimethylacetamide (DMAC)	127-19-5	
Ethylene glycol monoethyl ether	110-80-5	
n-Hexane	110-54-3	
4,4'-Methylene-bis-(2-chloroaniline) (MOCA)	101-14-4	
Phenol	108-95-2	
Toluene (Toluol)	108-88-3	
Xylene ³	1330-20-7, 95-47-6, 108-38-3, 106-42-3	
o-cresol ³	95-48-7	
p-cresol ³	106-44-5	
m-cresol ³	108-39-4	
Cyclododecane	294-62-2	
hexamethylphosphoramide (HEMPA)	680-31-9	
N-methylformamide	123-39-7	
Furan	110-00-9	
N-methyl-2-pyrrolidone	872-50-4	

GROUP 2		
Restricted substance	CAS No.	Remark
Chloroparaffins		
Short chained (SCCPs) C10-C13	85535-84-8	
Chlorophenols		
Pentachlorophenol (PCP)	87-86-5	
Tetrachlorophenol (TeCP)	25167-83-3	
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	
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	
2,3-dichlorophenol (2,3 DiCP)	576-24-9	
2,4-dichlorophenol (2,4 DiCP)	120-83-2	
2,5-dichlorophenol (2,5 DiCP)	583-78-8	
2,6-dichlorophenol (2,6 DiCP)	87-65-0	
3,4-dichlorophenol (3,4 DiCP)	95-77-2	
3,5-dichlorophenol (3,5 DiCP)	591-35-5	
2-chlorophenol	95-57-8	
3-chlorophenol	108-43-0	

GROUP 2		
Restricted substance	CAS No.	Remark
Chlorophenols		
4-chlorophenol	106-48-9 ³	
Dyes – Azo releasing following amines		
4-Aminodiphenyl	92-67-1	
2-Amino-4-nitrotoluene	99-55-8	
Benzidine	92-87-5	
4-Chloro-o-toluidine	95-69-2	
2,4-Diaminoanisoole	615-05-4	
3,3'-Dichlorobenzidine	91-94-1	
3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	
3,3'-Dimethylbenzidine (o-Tolidine)	119-93-7	
4,4'-Diaminodiphenylmethane	101-77-9	
4,4'-Methylene-bis-(2-chloroaniline) (MOCA)	101-14-4	
2-Naphtylamine	91-59-8	
o-Aminoazotoluene	97-56-3	
o-Anisidine	90-04-0	
o-Toluidine	95-53-4	
m-Toluidine	108-44-1	
p-Toluidine	106-49-0	

GROUP 2

Restricted substance	CAS No.	Remark
Dyes – Azo releasing following amines		
4,4'-Oxydianiline	101-80-4	
4,4'-Thiodianiline	139-65-1	
2,4-Toluediamine	95-80-7	
2,4,5-Trimethylaniline	137-17-7	
p-Aminoazobenzene	60-09-3	
p-Chloroaniline	106-47-8	
2-Chloroaniline	95-51-2	
p-Cresidine	120-71-8	
2,4-Xylidine	95-68-1	
2,6-Xylidine	87-62-7	
Diaminobenzidine (biphenyl-3,3',4,4'-tetrayltetraamine)	91-95-2	
Diaminotoluene	25376-45-8	
N,N'-Diacetylbenzidine	613-35-4	
Toluene-2,4-diammonium sulphate	65321-67-7	
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide), ADCA)	123-77-3	
5-Nitro-o-anisidine	99-59-2	

GROUP 2

Restricted substance	CAS No.	Remark
Dyes – Azo releasing following amines		
N,N-Diethylaniline	91-66-7	
N-Ethylaniline	103-69-5	
N-Methylaniline	100-61-8	
Other dyes/ CI no		
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	
C.I. Acid Red 26	3761-53-3	
C.I. Basic Blue 26	2580-56-5	
C.I. Basic Red 9	569-61-9	
C.I. Basic Violet 3	548-62-9	
C.I. Basic Violet 14	632-99-5	
C.I. Basic Green 4	569-64-2 2437-29-8 10309-95-2	
C.I. Direct Black 38	1937-37-7	
C.I. Direct Blue 6	2602-46-2	
C.I. Direct Brown 95	16071-86-6	
C.I. Direct Red 28	573-58-0	
C.I. Solvent Blue 4	6786-83-0	
C.I. Solvent Yellow 2	60-11-7	
C.I. Pigment Black 25	68186-89-0	
C.I. Pigment Yellow 157	68610-24-2	

GROUP 2

Restricted substance	CAS No.	Remark
Disperse (Sensitizing)		
C.I. Disperse Blue 1	2475-45-8	
C.I. Disperse Blue 3	2475-46-9	
C.I. Disperse Blue 7	3179-90-6	
C.I. Disperse Blue 26	3860-63-7	
C.I. Disperse Blue 35	12222-75-2, 56524-77-7	
C.I. Disperse Blue 102	12222-97-8	
C.I. Disperse Blue 106	12223-01-7	
C.I. Disperse Blue 124	61951-51-7	
C.I. Disperse Brown 1	23355-64-8	
C.I. Disperse Red 1	2872-52-8	
C.I. Disperse Red 11	2872-48-2	
C.I. Disperse Red 17 ⁴	3179-89-3	
C.I. Disperse Red 151	61968-47-6	
C.I. Disperse Orange 1	2581-69-3	
C.I. Disperse Orange 3	730-40-5	
C.I. Disperse Orange 11	82-28-0	
C.I. Disperse Orange 37	12223-33-5	
C.I. Disperse Orange 59	13301-61-6	
C.I. Disperse Orange 76	51811-42-8	
C.I. Disperse Orange 149	85136-74-9	

GROUP 2		
Restricted substance	CAS No.	Remark
Disperse (Sensitizing)		
C.I. Disperse Yellow 1	119-15-3	
C.I. Disperse Yellow 3	2832-40-8	
C.I. Disperse Yellow 7	6300-37-4	
C.I. Disperse Yellow 9	6373-73-5	
C.I. Disperse Yellow 23	62550-22-3	
C.I. Disperse Yellow 39	12236-29-2	
C.I. Disperse Yellow 49	54824-37-2	
C.I. Disperse Yellow 56	54077-16-6	
Navy Blue Colorant		
Component 1: C39H23ClCrN7O12S2Na	118685-33-9	
Component 2: C46H30CrN10O20S23Na	Not Allocated	
Anilines		
Aniline	62-53-3	

GROUP 2

Restricted substance	CAS No.	Remark
Flame retardants		
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	
Bis(2,3-dibromopropyl)phosphate (BDBPP/BIS)	5412-25-9	
Decabromodiphenyl ether (DecaBDE)	1163-19-5	
Hexabromocyclododecane (HBCDD)	3194-55-6	
Octabromodiphenyl ether (OctaBDE)	32536-52-0	
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	
Polybromobiphenyls (PBB)	59536-65-1	
Tetrabromobisphenol A (TBBP A)	79-94-7	
Tetrabromobisphenol A bis(2,3-dibromopropyl ether) (TBBPA-DBPE)	21850-44-2	
Tri-o-cresyl phosphate	78-30-8	
Triphenyl phosphate (TPhP) ⁵	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)	545-55-1	
Tri(1-chloro-2-propyl) phosphate (TCPP)	13674-84-5	
Trixylyl phosphate (TXP)	25155-23-1	
Glycols		
Bis(2-methoxyethyl)-ether	111-96-6	

GROUP 2

Restricted substance	CAS No.	Remark
Glycols		
2-Ethoxyethyl acetate	111-15-9	
Ethylene glycol dimethyl ether	110-71-4	
2-Methoxyethanol	109-86-4	
2-Methoxyethylacetate	110-49-6	
2-Methoxypropylacetate	70657-70-4	
Triethylene glycol dimethyl ether	112-49-2	
1,2-diethoxyethane	629-14-1	
2-methoxypropanol	1589-47-5	
methoxyacetic acid	625-45-6	
Heavy metals⁶		
Arsenic (As)	7440-38-2	
Cadmium (Cd)	7440-43-9	
Chromium VI (Cr VI)	18540-29-9	
Lead (Pb)	7439-92-1	
Mercury (Hg)	7439-97-6	
Beryllium and Beryllium oxide	7440-41-7, 1304-56-9	
Cobalt and Cobalt compounds	Various	
Nickel and Nickel compounds	Various	
Antimony and Antimony compounds	Various	
Organotin Compounds		
Dibutyltin (DBT)	1002-53-5	

GROUP 2

Restricted substance	CAS No.	Remark
Glycols		
2-Ethoxyethyl acetate	111-15-9	
Ethylene glycol dimethyl ether	110-71-4	
2-Methoxyethanol	109-86-4	
2-Methoxyethylacetate	110-49-6	
2-Methoxypropylacetate	70657-70-4	
Triethylene glycol dimethyl ether	112-49-2	
1,2-diethoxyethane	629-14-1	
2-methoxypropanol	1589-47-5	
methoxyacetic acid	625-45-6	
Heavy metals⁶		
Arsenic (As)	7440-38-2	
Cadmium (Cd)	7440-43-9	
Chromium VI (Cr VI)	18540-29-9	
Lead (Pb)	7439-92-1	
Mercury (Hg)	7439-97-6	
Beryllium and Beryllium oxide	7440-41-7, 1304-56-9	
Cobalt and Cobalt compounds	Various	
Nickel and Nickel compounds	Various	
Antimony and Antimony compounds	Various	
Organotin Compounds		
Dibutyltin (DBT)	1002-53-5	

GROUP 2

Restricted substance	CAS No.	Remark
Perfluorinated Compounds (PFCs) ⁷		
Perfluorobutane Sulfonate (PFBS)	29420-49-3	
Perfluorohexane Sulfonate (PFHxS)	3871-99-6	
Perfluoroheptane Sulfonate (PFHpS)	375-92-8	
Perfluorooctane Sulfonate (PFOS)	56773-42-3	
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-Dodecafluoroheptane Acid (HPFHpA)	1546-95-8	

GROUP 2		
Restricted substance	CAS No.	Remark
Perfluorinated Compounds (PFCs)		
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	
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	
1H,1H,2H,2H-Perfluorooctanesulphonic acid (H4PFOS 6-2)	27619-97-2	
All other Perfluorinated or Polyfluorinated compounds (fully or partially fluorinated compounds)	Various	
Phthalates- including all other esters of ortho-phthalic acid		
Butyl benzyl phthalate (BBP)	85-68-7	
Dibutyl phthalate (DBP)	84-74-2	

GROUP 2		
Restricted substance	CAS No.	Remark
Phthalates- including all other esters of ortho-phthalic acid		
Diethyl phthalate (DEP) ⁸	84-66-2	
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-hexyl phthalate (DnHP)	84-75-3	
Di-n-octyl phthalate (DnOP)	117-84-0	
Butyl octyl phthalate (BOP)	84-78-6	
Diundecyl phthalate (DUP)	3648-20-2	
Bis(2-ethoxyethyl) phthalate (BEEP)	605-54-9	
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	
n-Pentylisopentylphthalate (NPIPP)	776297-69-9	
Diisopentylphthalate (DIPP)	605-50-5	
Di-n-pentylphthalate (DPP)	131-18-0	
Dihexylphthalate, branched and linear	68515-50-4	
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	
1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUPE)	68515-42-4	
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	
Di-n-propyl phthalate (DPRP)	131-16-8	

GROUP 2		
Restricted substance	CAS No.	Remark
Phthalates- including all other esters of ortho-phthalic acid		
Di-cyclohexyl phthalate (DCHP)	84-61-7	
Dimethylphthalate (DMP)	131-11-3	
Di-iso-octyl phthalate (DIOP)	27554-26-3	
Phenols		
o-Phenylphenol (OPP)	90-43-7	
Polychlorinated Compounds		
Polychlorinated Biphenyls (PCB)	1336-36-3	
Polychlorinated Triphenyls (PCT)	61788-33-8	
Polycyclic Aromatic hydrocarbons (PAHs)		
Acenaphthene	83-32-9	
Acenaphthylene	208-96-8	
Anthracene	120-12-7	
Benzo[a]anthracene	56-55-3	
Benzo[a]pyrene (BaP)	50-32-8	
Benzo[b]fluoranthene	205-99-2	
Benzo[e]pyrene	192-97-2	
Benzo[ghi]perylene	191-24-2	
Benzo[j]fluoranthene	205-82-3	
Benzo[k]fluoranthene	207-08-9	
Chrysene	218-01-9	
Coal tar pitch	65996-93-2	
Anthracene oil	90640-80-5	

GROUP 2		
Restricted substance	CAS No.	Remark
Polycyclic Aromatic hydrocarbons (PAHs)		
Other Anthracene oil compounds	90640-81-6, 90640-82-7, 91995-15-2, 91995-17-4	
Dibenz[a,h]anthracene	53-70-3	
Fluoranthene	206-44-0	
Fluorene	86-73-7	
Indeno[1,2,3-cd]pyrene	193-39-5	
Naphthalene	91-20-3	
Phenanthrene	85-01-8	
Pyrene	129-00-0	
Polyvinylchloride (PVC) and similar chlorinated polymers, e.g. Polyvinylidenchloride and Polychloroprene (neoprene)		
Polyvinylchloride (PVC)	9002-86-2	
Polyvinylidenchloride	9002-85-1	
Polychloroprene	9010-98-4	
N-nitroso compounds		
N-Nitrosodi-n-propylamine	621-64-7	
N-Nitrosodimethylamine	62-75-9	
N-Nitrosodiethanolamine	1116-54-7	

GROUP 2

Restricted substance	CAS No.	Remark
Petroleum distillate⁹	64742-04-7, 64742-05-8, 64742-11-6, 64742-65-0, 8030-30-6, 64741-41-9, 64742-49-0, 64742-52-5, 64742-54-7, 64741-88-4, 64741-89-5, 64742-95-6, 8009-03-8	
Biocide		
Metam sodium	137-42-8	
Safrole (5-allyl-1,3-benzodioxole]	94-59-7	
Cycloheximide	66-81-9	
Solvent based Glues		
Organic solvent based systems shall be exchanged to water based systems. ¹⁰		
Solvent based Polyurethane, PU		
Shall be exchanged to water based systems in cases where it is technically possible		

GROUP 1		
Restricted substance	CAS No.	Remark
Organic solvents		
<ul style="list-style-type: none"> Chlorinated Organic Solvents 		
Chloroform	67-66-3	
1,1-Dichloroethane	75-34-3	
1,2-Dichloroethane	107-06-2	
1,1-Dichloroethylene	75-35-4	
cis-1,2-Dichloroethylene	156-59-2	
trans-1,2-Dichloroethylene	156-60-5	
1,1,1-Trichloroethane	71-55-6	
1,1,2-Trichloroethane	79-00-5	
Trichloroethylene	79-01-6	
1,1,1,2-Tetrachloroethane	630-20-6	
1,1,2,2-Tetrachloroethane	79-34-5	
Tetrachloroethylene	127-18-4	
Pentachloroethane	76-01-7	
Methylene Chloride	75-09-2	
Carbon Tetrachloride	56-23-5	
1,2,3-Trichloropropane	96-18-4	
<ul style="list-style-type: none"> Brominated Organic Solvent 		
1-bromopropane (n-propyl bromide)	106-94-5	
2-bromopropane	75-26-3	
<ul style="list-style-type: none"> Dimethylformamide (DMF) 		
Dimethylformamide (DMF)	68-12-2	Usage ban except during PU production. Please see below for more info about PU production.

