

# NILSONGROUP

DIN SKO / SKÖPUNKTEN / NILSON SHOES / RADICAL SPORTS / JERNS



## **Nilson Group Chemical Restriction 2021**

Restricted Substance List (RSL)

<b>2.2 Restricted Substance List</b>				
CAS No.	Substance	NilsonGroup's Limit <i>Are not allowed in concentrations equal or higher than the limit</i>	Test Method	LOQ <i>Test Methods Limit of Quantification</i>
<b>ACIDIC AND ALKALINE SUBSTANCE</b>				
Varios	pH	Textiles: 4.0 - 8.5 Leathers: 3.5 - 7.0	ISO 3071 (textiles) ISO 4045 (leather)	pH meter. Accuracy: 0.2 pH units
<b>ALKYLPHENOLS (AP) AND ALKYLPHENOL ETHOXYLATES, INCL ALL ISOMERS</b>				
Various	Octylphenol (OP)	Usage Ban	Leather: ISO 18218-1 modified for NP and OP Textiles: ISO 21084:2019	10 mg/kg
Various	Nonylphenol (NP)			
Various	Octylphenol Ethoxylates (OPEO)			
Various	Nonylphenol Ethoxylates (NPEO)			
Various	-4-Nonylphenol, branched and linear, ethoxylates		Leather: ISO 18218-1 Textiles: ISO 18254-1	
<b>AZO- DYES AND FORBIDDEN ARYLAMINES</b>				
Various	42 substances are listed in Appendix A	Usage Ban	EN 14362-1, EN 14362-3 (textiles) EN ISO 17234-1, EN ISO 17234-2 (leather)	20 mg/kg (per each of the arylamine breakdown products)
<b>ALLERGENIC- AND CARCINOGENIC DYES</b>				
Various	60 substances are listed in Appendix B	Usage Ban	EN ISO 16373 (extractable dyestuff) DIN 54231 for textiles (qualitative)	50 mg/kg
<b>BISPHENOL</b>				
80-05-7	Bisphenol-A	Usage Ban	Test equipment: GC-MS, LC-MS	10 mg/kg
6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane			
<b>BIOCIDAL AGENTS</b>				
<i>The use of biocidal products in articles should be kept limited, for instance to avoid the increase of resistant bacteria. All regulated biocidal agents are listed by PT9 (product type 9, that includes textiles, polymers and leather) according to Biocidal Product Regulation (EU 528/2012). In appendix E are the restricted biocides according to Nilson Groups RSL.</i>				
10605-21-7	Carbendazim	Usage Ban	Test equipment: GC-MS, LC-MS	-
27083-27-8	PHMB		Test equipment: LC-MS	-
32289-58-0				
94-26-8	Parabenes		Test equipment: GC-MS, LC-MS	100 mg/kg
52645-53-1	Permethrin		Test equipment: GC-MS, LC-MS	5 mg/kg
7440-22-4	Silver and its compounds		Test equipment: ICP-MS, ICP-OES or AAS	10 mg/kg
3380-34-5	Triclosan		EN 17143 (textiles)	10 mg/kg
101-20-2	Triclocarban		Test equipment: GC-MS, LC-MS	10 mg/kg
13463-41-7	Zincpyrithion		Test equipment: GC-MS, LC-MS	LOQ: 1000 mg/kg (100 mg/kg via Zinc)
27668-52-6	Dimethyloktadecyl (3-(trimethoxysilyl)(propyl)) ammoniumklorid		<1 mg/kg	currently no method available
<b>Trisubstituted tin organic compounds</b>				
1461-22-9	Tributyltin chloride	Usage Ban	ISO 22744 (textiles) Test equipment: GC-MS EN ISO 17353 (water and sediment)	0,2 mg/kg
1983-10-04	Tributyltin fluoride			
2155-70-6	Tributyltin methacrylate			
4342-36-3	Tributyltin benzoate			
24124-25-2	Tributyltin linoleate			
85409-17-2	Tributyltin naphthenate			

CAS No.	Substance	NilsonGroup's Limit <i>Are not allow in concentrations equal or higher than the limit</i>	Test Method	LOQ <i>Test Methods Limit of Quantification</i>
<b>CHLORINATED ORGANIC SOLVETS AND CARRIERS</b>				
634-90-2	1,2,3,5-Tetrachlorobenzene	Usage Ban	EN 17137 Test equipment: GC-MS, GC-ECD	0,5 mg/kg (GC-MS)
87-61-6	1,2,3-Trichlorobenzene			
95-94-3	1,2,4,5-Tetrachlorobenzene			
120-82-1	1,2,4-Trichlorobenzene			
2199-69-1	1,2-Dichlorobenzene-D4			
95-50-1	1,2-Dichlorobenzene			
108-70-3	1,3,5-ditrichlorobenzene			
541-73-1	1,3-dichlorobenzene			
877-11-2	2,3,4,5,6-pentachlorotoluene			
6639-30-1	2,4,5-trichlorotoluene			
95-73-8	2,4-dichlorotoluene			
95-49-8	2-chlorotoluene			
108-41-8	3-chlorotoluene			
106-43-4	4-chlorotoluene			
2014-83-7	a,2,6-trichlorotoluene			
81-19-6	a,a,2,6-tetrachlorotoluene			
98-87-3	a.a-dichlorotoluene			
611-19-8	a.o-dichlorotoluene			
104-83-6	a.p-dichlorotoluene			
634-66-2	1,2,3,4-tetrachlorobenzene			
118-74-1	Hexachlorobenzene			
608-93-5	Pentachlorobenzen			
67-66-3	Chloroform			
79-00-5	1,1,2-trichloroethane			
79-34-5	1,1,2,2-tetrachloroethane			
630-20-6	1,1,1,2 Tetrachloroethane			
76-01-7	Pentachloroethane			
75-35-4	1,1-dichloroethylene			
106-46-7	1,4-dochlorobenzene			
56-23-5	Carbon tetrachloridertertachloromethane			
71-55-6	1,1,1-trichloroethane, Methylchloroform			
5216-25-1	$\alpha,\alpha,\alpha,4$ -tetrachlorotoluene;			
98-07-7	a,a,a-trichlorotoluene			
100-44-7	$\alpha$ -chlorotoluene benzyl chloride			
96-18-4	1,2,3-trichloropropane			
918-00-3	1,1,1-trichloro-2-propanone			
79-00-5	1,1,2-trichloroethane			
75-09-2	Dichloromethane			
<b>CHLOROPRAFFINS</b>				
85535-84-8	Short-chain chloroparaffins (C10-C13, SCCP)	<100 mg/kg	ISO 18219 (leather) ISO 18219 modified Test equipment: GC-MS, LC-MS	100 mg/kg
85535-85-9	Medium-chain chloroparaffins (C14-C17, MCCP)			
85535-86-0	Long-chain chloroparaffins (C18-, LCCP)			

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<b>CHLOROPHENOLS</b>				
15950-66-0	2,3,4-Trichlorophenol (TriCP)	Usage Ban	ISO 17070 (leather)  XP G 08-015 (French standard method for PCP in textiles)	0,1 mg/kg
933-78-8	2,3,5-Trichlorophenol (TriCP)			
933-75-5	2,3,6-Trichlorophenol (TriCP)			
95-95-4	2,4,5-Trichlorophenol (TriCP)			
88-06-2	2,4,6-Trichlorophenol (TriCP)			
609-19-8	3,4,5-Trichlorophenol (TriCP)			
4901-51-3	2,3,4,5-Tetrachlorophenol (TeCP)			
58-90-2	2,3,4,6-Tetrachlorophenol (TeCP)			
935-95-5	2,3,5,6-Tetrachlorophenol (TeCP)			
87-86-5	Pentachlorophenol (PCP)			
131-52-2	PCP sodium salt			
<b>DIMETHYLFUMARATE</b>				
624-49-7	Dimethylfumarate (DMFu)	Usage Ban	ISO/TS 16186 (footwear) SS-EN 17130 (textile and textile material)	0,1 mg/kg
<b>DIISOCYANATES</b>				
101-68-8	4,4'-methylenediphenyl diisocyanates	<1 mg/kg	ISO 10283 (modified) EN 13130-8	1 mg/kg
822-06-0	Hexane, 1,6-diisocyanato (HDI)			
4098-71-9	Isophorone diisocyanate (IPDI)			
2778-42-9	Tetramethylylene diisocyanate (TMXDI)			
584-84-9	2,4-Toluene diisocyanate (2,4 TDI)			
91-08-7	Benzene, 1,3-diisocyanato-2-methyl			
26471-62-5	m-tolyldiene diisocyanate (TDI)			
5873-54-1	o-(p-isocyanatobenzyl)phenyl isocyanates			
<b>FORMALDEHYDE</b>				
	Formaldehyde	20 mg/kg	EN ISO 141 84-1 (textiles) ISO 17226 (leather)	16 mg/kg
<b>FORMAMIDE</b>				
75-12-7	Formamide	<50mg/kg	Solvent extraction. Test equipment: GC-MS or LC-MS	50 mg/kg
<b>FLAME RETARDANTS</b>				
115-96-8	Tris(2-chlorethyl)phosphate (TCEP)	Usage Ban	ISO 17881-2	5 mg/kg
126-72-7	Tris (2,3 dibromopropyl)phosphate (TBPP)			
1067-98-7	Tris(kliripropyl)fosfat (TCPP)			
13674-87-8	Tris(1,3-dikloro-2-propyl)fosfat (TDCPP)			
115-86-6	Trifenylfosfat			
25155-23-1	Trixylyl phosphate			
25637-99-4				
3194-55-6				
134237-50-6	Hexabromocyclododecane (HBCD, HBCDD)			
134237-51-7				
134237-52-8				
59536-65-1	Polybrominated biphenyls			
36355-01-8	Hexabromobiphenyl			
32534-81-9	Pentabromodiphenyl ether (PentaBDE)			
60348-60-9				
32536-52-0	Octabromodiphenyl ether (OctaBDE)			
1163-19-5	Decabromodiphenyl ether (DecaBDE)			
5436-43-1	Tetrabromodiphenyl ether (TetraBDE)			
207122-16-5	Heptabromodiphenyl ether (HeptaBDE)			
446255-22-7				
68631-49-2				
207122-15-4	Hexabromodiphenyl ether (HexaBDE)			
			EN ISO 17881-1 (textiles) Test equipment: GC-MS, LC-MS, GC-ECD	20 mg/kg
			ISO 17881-1 (textiles) EN 16377 for PBB (plastics) Test equipment: GC-MS, LC-MS, GC-ECD	10 mg/kg

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<b>HEAVY METALS EXTRACTABLE AND TOTAL CONTENT</b>				
7440-36-0	Antimony (Sb)	Extractable: 30 mg/kg Total: 500 mg/kg	<b>Extractable:</b> EN 16711-2 (textile) ISO 17072-1 (leather) Cr (VI) for leather material: ISO 17075-1 with aging CrVI by UV/VIS and EN ISO 17075, aging: 80oC, 24 hours, RH < 5%  <b>Total:</b> EN 16711-1 (textile) ISO 17072-2 (leather)	Extractable: 0,02 mg/kg Total: 10 mg/kg
7440-38-2	Arsenic (As)	Extractable: 0,2 mg/kg Total: 25 mg/kg		
7440-43-9	Cadmium (Cd)	Extractable: 0,1 mg/kg Total: 75 mg/kg		
18540-29-9	Chromium VI (CrVI)	N/D (extr)		
7440-48-4	Cobalt (Co)	Extractable: 1,0 mg/kg		
7440-50-8	Copper (Cu)	Extractable: 25 mg/kg		
7439-92-1	Lead (Pb)	Extractable: 0,2 mg/kg Total: 60 mg/kg		
7439-97-6	Mercury (Hg)	Extract: 0,02 mg/kg Total: 0,5 mg/kg		
7440-02-0	Nickel (Ni)	Extractable: 1,0 mg/kg		
<b>NICKEL</b>				
7440-02-0	Nickel (Ni)	N/D	Nickel release from metal components: Coated metal: EN 12472+A1 and EN 1811+A1, non-coated metal: EN 1811+A1	0,02 µg/cm <sup>2</sup> /week
<b>NITROSAMINES</b>				
62-75-9	Dimethylnitrosoamine	0,05 mg/kg	EN 71-12	0,5 mg/kg
55-18-5	N-nitrosodiethylamine (NDEA)	<0,5 mg/kg	EN 12868, EN 14602 GB/T 24153	
621-64-7	N-nitrosodipropylamine (NDPA)			
924-16-3	N-nitrosodibutylamine (NDBA)			
100-75-4	N-nitrosopiperidin (NPIP)			
930-55-2	N-nitrosopyrrolidin (NPYR)			
59-89-2	N-nitrosomorfolin (NMOR)			
614-00-6	N-nitroso N-methyl N-phenylamine (NMPHA)			
612-64-6	N-nitroso N-ethyl N-phenylamine (NEPhA)			
<b>PHTHALATE ESTERS</b>				
Various	23 substances are listed in appendix C	Usage Ban	EN ISO/TS 16181:2011	100 mg/kg
<b>POLY- AND PERFLUORINATED CHEMICALS (PFAS)</b>				
See appendix D	Highly fluorinated carboxylic acids- PFOA and related substances	Usage Ban	CEN/TS 15968 modified	0,1 µg/m <sup>2</sup>
See appendix D	Highly fluorinated sulfonic acids- PFOS and related substances			
See appendix D	Highly fluorinated ethers			

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<b>POLYCYCLIC AROMATIC HYDROCARBONS (PAH)</b>				
83-32-9	Acenaphthene	Usage Ban	AfPS GS 2014-01 PAKISO/TS 16190 (footwear) EN 17132 (textile)	0,2 mg/kg
208-96-8	Acenaphthylene			
120-12-7	Anthracene			
191-24-2	Benzo(ghi)perylene			
56-55-3	Benzo(a)anthracene			
50-32-8	Bezo(a)pyrene			
205-99-2	Benzo(b)fluoranthene			
192-97-2	Benzo(e)pyrene			
205-82-3	Bezo(j)fluoranthene			
207-08-9	Benzo(k)fluoranthene			
218-01-9	Chrysene			
53-70-3	Dibenzo(ah)anthracene			
86-73-7	Flourene			
206-44-0	Flouranthene			
193-39-5	Indeno(1,2,3-cd)pyrene			
91-20-3	Naphthalene			
85-01-8	Phenanthrene			
129-00-0	Pyrene			
<b>POLY VINYL CHLORIDE</b>				
9002-86-2	PVC	<b>Not permitted in any products</b>	Test equipment: GC-MS, LC-MS	<b>Not permitted in any products</b>
<b>PARAPHENYLENEDIAMINE</b>				
106-50-3	p-phenylenediamide (PPD)	200 mg/kg	ISO 14362-1 or ISO 17234-1 modified w/o dithionid treatment	-
<b>QUINOLINE</b>				
91-22-5	Quinoline	<10 mg/kg	Test equipment: GC-MS, LC-MS	10 mg/kg
<b>SILOXANES</b>				
556-67-2	Octamethylcyclotetrasiloxane (D4)	1000 mg/kg	Solvent extraction, determination by GC-MS, with approval by LC-MS in case of positive results	100 mg/kg
541-02-6	Decamethylcyclopentasiloxane (D5)			
540-97-6	Dodecamethylcyclohexasiloxane (D6)			
<b>SOLVENTS</b>				
68-12-2	Dimethylformamide (DMFa)	500 mg/kg <i>sum of DMFa, DMAC and NMP &lt;500 mg/kg</i>	CEN/TS 16189 (footwear and footwear components) EN 17131 (textile)	10 mg/kg
127-19-5	Dimethylacetamide (DMAC)	100 mg/kg <i>sum of DMFa, DMAC and NMP &lt;500 mg/kg</i>	Test equipment: GC-MS, LC-MS	10 mg/kg
872-50-4	NMP (N-methyl-2-pyrrolidone)	1 mg/kg <i>sum of DMFa, DMAC and NMP &lt;500 mg/kg</i>	EN ISO 19070 (leather) Test equipment: GC-MS, LC-MS	25 mg/kg
107-06-2	1,2-dichloroethane	<1 mg/kg	Headspace, 90°C, 45 min. GC-MS analysis	-
143-24-8	Bis(2-(2-methoxyethoxy)ethyl)ether	<1 mg/kg	Not yet available	10 mg/kg

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<b>TIN ORGANIC COMPOUNDS</b>				
Varios	Dibutyltin (DBT)	Usage Ban	EN ISO 22744-1 (textile) CEN ISO/TS 16179 (footwear)	0,2 mg/kg
Varios	Diocetyl tin (DOT)			
Varios	Tributyltin (TBT)			
Varios	Monobutyltin (MBT)			
Varios	Tricyclohexyltin (TCyHT)			
Varios	Trimethyltin (TMT)			
Varios	Trioctyltin (TOT)			
Varios	Tripropyltin (TPT)			
Varios	Triphenyltin (TPHT)			
56-35-9	Bis(tributyltin)oxide (TBTO)			
683-18-1	DBTC			
15571-58-1	DOTe and reaction mass of DOTe and MOTe			
22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin			
91648-39-4	Stannane, dioctyl-, bis(coco acyloxy) derivatives			
3648-18-8	Diocetyl tin dilaurate			
<b>VOLATILE ORGANIC COMPOUNDS (VOC)</b>				
71-43-2	Benzene	<0,5 mg/kg	No standardised quantitative test method available. Test equipment: GC-MS	0,5 mg/kg
100-41-4	Ethylbenzene			
100-42-5	Styrene			
108-88-3	Toluene			
108-94-1	Cyclohexanone			
78-93-3	Methyl-ethyl-ketone			
79-01-6	Trichloroethylene			
127-18-4	Tetrachloroethylene			
107-06-2	1,2-dichloroethane	<1 mg/kg	Headspace, 90°C, 45 min. GC-MS analysis	
76-01-7	Pentachloroethane	<0,5 mg/kg	No standardised quantitative test method available. Test equipment: GC-MS	0,5 mg/kg
67-72-1	Hexachloroethane			
75-34-4	1,1-dichloroethane			
96-18-4	1,2,3-trichloroethylene			
98-86-2	Acetophenone			
617-94-7	2-phenyl-2-propanol			
1330-20-7				
108-38-3	Xylenes (meta- ortho-, para-)			
95-47-6				
106-42-3				

## Appendix A- AZO-dyes and forbidden arylamines

CAS No.	Substance	CAS No.	Substance
60-09-3	4-aminoazobenzene	2602-46-2	2,7-naphthalenedisulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxy-, tetrasodium salt//direct blue 6
101-14-4	4,4'-methylene-bis-(2-chloro-aniline)	1937-37-7	2,7-naphthalenedisulfonic acid, 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)-, disodium salt//direct black 38
101-77-9	4,4'-methylenedianiline	2475-45-8	1,4,5,8-tetraaminoanthraquinone//disperse blue 1
101-80-4	4,4'-oxydianiline	569-61-9	basic red 9//benzenamine, 4-[[4-aminophenyl](4-imino-2,5-cyclohexadien-1-ylidene)methyl]-, monohydrochloride
106-47-8	4-chloroaniline	3165-93-3	4-chloro-o-toluidinium chloride
119-90-4	3,3'-dimethoxybenzidine	12656-85-8	lead chromate molybdate sulfate red
119-93-7	3,3'-dimethylbenzidine	1344-37-2	lead sulfochromate yellow
120-71-8	6-methoxy-m-toluidine (p-cresidine)	16071-86-6	Cuprate(2-), [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulfophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-2-hydroxybenzoato(4-)]-, disodium//Direct Brown 95
137-17-7	2,4,5-trimethylaniline	101-61-1	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)
139-65-1	4,4'-thiodianiline	553-00-4	2-Naphthylammoniumacetate
615-05-4	4-methoxy-m-phenylenediamine	39156-41-7	4-methoxy-m-phenylenediammonium sulphate
838-88-0	4,4'-methylenedi-o-toluidine	137-17-7	2,4,5-trimethylaniline hydrochloride
87-62-7	2,6-xylidine	90-94-8	4,4'-bis(dimethylamino)benzophenone
90-04-0	o-anisidine	103-33-3	azobenzene
91-59-8	2-naphthylamine	21436-97-5	2,4,5-trimethylaniline hydrochloride
91-94-1	3,3'-dichlorobenzidine		
92-67-1	4-aminobiphenyl		
92-87-5	Benzidine		
95-53-4	O-toluidine		
95-68-1	2,4-xylidine		
95-69-2	4-chloro-o-toluidine		
95-80-7	4-methyl-m-phenylenediamine		
97-56-3	O-aminoazotoluene		
99-55-8	5-nitro-o-toluidine		
548-62-9	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride		
85136-74-9	6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile		
573-58-0	1-naphthalenesulfonic acid, 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[4-amino-, disodium salt//direct red 28		



## Appendix B- Allergenic- and Carcinogenic Dyes

CAS No.	Substance	CAS No.	Substance
561-41-1	4,4'-bis(dimethylamino)-4''-(methylamoni)trityl alcohol	12239-15-5	
2850-56-5	C.I Basic Blue 26	54824-37-2	C.I Disperse Yellow 49
632-99-5	C.I Basic Violet 14	10319-14-9	C.I Disperse Yellow 64
548-62-9	C.I BASIC VIOLET 3	6373-73-5	C.I Disperse Yellow 9
1937-37-7	C.I Direct Black 38	68186-89-0	C.I Pigment Black 25
2429-74-5	C.I Direct Blue 15	68610-24-2	C.I Pigment Yellow 157
573-58-0	C.I Direct Red 28	6786-83-0	C.I SOLVENT BLUE 4
12222-97-8	C.I Disperse Blue 102	6459-94-5	C.I. Acid Red 114
12223-01-7	C.I Disperse Blue 106	3761-53-3	C.I. ACID RED 26
61951-51-7	C.I Disperse Blue 124	569-61-9	C.I. BASIC RED 9
100357-99-1		632-99-5	C.I. BASIC VIOLET 14
13324-23-7	C.I Disperse Blue 26	2602-46-2	C.I. DIRECT BLUE 6
3860-63-7		16071-86-6	C.I. DIRECT BROWN 95
2580-56-5		2475-45-8	C.I. DISPERSE BLUE 1
Various		3860-63-7	C.I. DISPERSE BLUE 26
2475-46-9	C.I Disperse Blue 3	2475-46-9	C.I. DISPERSE BLUE 3
12222-75-2	C.I Disperse Blue 35	12222-75-2	C.I. DISPERSE BLUE 35
56524-77-7		82-28-0	C.I. DISPERSE ORANGE 11
3179-90-6	C.I Disperse Blue 7	13301-61-6	C.I. DISPERSE ORANGE 37
23355-64-8	C.I Disperse Brown 1	13301-61-6	C.I. DISPERSE ORANGE 59
2581-69-3	C.I Disperse Orange 1	51811-42-8	C.I. DISPERSE ORANGE 76
85136-74-9	C.I Disperse Orange 149	3179-89-3	C.I. DISPERSE RED 17
730-40-5	C.I Disperse Orange 3	2832-40-8	C.I. DISPERSE YELLOW 3
13301-61-6		54824-37-2	C.I. DISPERSE YELLOW 49
12223-33-5	C.I Disperse Orange 37/59/76	101-61-1	Michler's base
51811-42-8		405-665-4	NAVY BLUE
2872-52-8	C.I Disperse Red 1		
2872-48-2	C.I Disperse Red 11		
3179-89-3	C.I Disperse Red 17		
128-95-0	C.I Disperse Violet 1		
122463-28-9	C.I Disperse Violet 93		
119-15-3	C.I Disperse Yellow 1		
6250-23-3	C.I Disperse Yellow 23		
12236-29-2	C.I Disperse Yellow 39		

<b>Appendix C- Phthalate esters</b>	
<b>CAS No.</b>	<b>Substance</b>
117-81-7	DEHP
84-74-2	DBP
85-68-7	BBP
28553-12-0	DINP
68515-48-0	
26761-40-0	DIDP
68515-49-1	
117-84-0	DNOP
84-69-5	DiBP
71888-89-6	DIHP
68515-42-4	DHNUP
117-82-8	DMEP
84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear
605-50-5	DIPP
776297-69-9	N-pentyl-isopentylphthalate (nPIPP)
131-18-0	Dipentyl phthalate (DPP)
84-75-3	Dihexyl phthalate
68515-50-4	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
68515-51-5	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters with $\geq 0.3\%$ of dihexyl phthalate (84-75-3)
68648-93-1	1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (84-75-3)
84-61-7	DCHP (dicyclohexyl phthalate)
84-75-3	DnHP
71850-09-4	Diisohexyl phthalate

**Appendix D- Poly- and Perfluorinated Chemicals**

CAS No.	Substance
<b>PFOA and Related substances</b>	
335-67-1	Perfluorooctanoic acid (PFOA) and its salts
375-22-4	Perfluorobutanoic acid (PFBA)
2706-90-3	Perfluoropentanoic acid (PFPeA)
307-24-4	Perfluorohexanoic acid (PFHXA)
375-85-9	Perfluoroheptanoic acid (PFHpA)
375-95-1	Perfluorononanoic acid (PFNA)
21049-39-8	
4149-60-4	
335-76-2	Perfluorodecanoic acid (PFDA)
3108-42-7	
3830-45-3	
2058-94-8	Perfluoroundecanoic acid (PFUnA)
376-06-7	Heptacosafuorotetradecanoic acid (PFTA)
307-55-1	Tricosafuorododecanoic acid (PFDoA)
72629-94-8	Pentacosafuorotridecanoic acid (PFTrDA)
3825-26-1	Ammonium pentadecafluorooctanoate (APFO)
335- 95-5	Sodium perfluorooctanoate (Na-PFO)
2395-00-8	Potassium perfluorooctanoate (Ca-PFO)
335-93-3	Silver perfluorooctanoate (Ag-PFO)
335-66-0	Perfluorooctanoyl fluoride (F-PFO)
376-27-2	Methyl pentadecafluorooctanoate (Me-PFO)
3108-24-5	Ethyl perfluorooctanonate (Et-PFO)
CAS No.	Substance
<b>PFOS and Related substances</b>	
1763-23-1	Perfluorooctane sulfonate (PFOS)
754-91-6	Perfluorooctanesulfonamide (PFOSA)
31506-32-8	N-Methyl-Perfluorooctanesulfonamide (N-ME-FOSA)
4151-50-2	N-Ethyl-Perfluorooctanesulfonamide (N-Et-FOSA)
24448-09-7	N-Methyl-Perfluorooctanesulfonamidoethanol (N-Me-FOSE)
1691-99-2	N-Ethyl-Perfluorooctanesulfonamidoethanol (N-Et-FOSE)
355-46-4	Perfluorohexane sulfonate (PFHxS)
10842753-8	
<b>Highly fluorinated substances</b>	
757124-72-4	4:2 fluorotelomer sulfonate
27619-97-2	6:2 fluorotelomer sulfonate
39108-34-4	8:2 fluorotelomer sulfonate
2043-47-2	1H,1H,2H,2H-Perfluorohexanol
647-42-7	1H,1H,2H,2H-Perfluoro-1-octanol
678-39-7	1H,1H,2H,2H-Perfluoro-1-decanol
865-86-1	1H,1H,2H,2H-Perfluorododecane-1-ol
17527-29-6	1H,1H,2H,2H-Perfluorooctylacrylat
27905-45-9	1H,1H,2H,2H-Perfluorodecylacrylat
17741-60-5	1H,1H,2H,2H-Perfluorododecylacrylat
2144-53-8	3,3,4,4,5,5,6,6,7,7,8,8,8- tridecafluorooctyl methacrylate

<b>Appendix E- Biocides</b>			
<b>CAS No.</b>	<b>Substance</b>	<b>CAS No.</b>	<b>Substance</b>
Various	2-(2,4,5-trichlorophenoxy)propionyl compounds and it's salts	4234-79-1	Isodrin
935-95-5	2,3,5,6 tetrachlorophenol (TeCP) and all isomers of it	143-50-0	Kelevane
6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	58-89-9	Kepone
93-72-1	2,4,5-Trichlorophenoxyacetic acid, salts and compounds	121-75-5	Lindane
94-75-7	2,4-Dichlorophenoxyacetic acid	94-74-6	Malathion
52315-07-8	a-Cypermethrin	93-65-2	MCPA
116-06-3	Aldicarb	10265-92-6	MCPP
309-00-2	Aldrin	72-43-5	Methamidophos
319-84-6	alpha-BHC	298-00-0	Methoxychlor
2642-71-9	Azinphos-ethyl	7786-34-7	Methyl parathion
86-50-0	Azinphos-methyl	2385-85-5	Mevinphos
319-85-7	BHC, beta isomer	6923-22-4	Mirex
56-35-9	Bis(tributyltin)oxide	99688-47-8	Monocrotophos
80-05-7	Bisphenol A	81167-70-8	Monomethyl-dibromo-diphenyl methane
4824-78-6	Bromophos-ethyl	76256-60-6	Monomethyl-dichloro-diphenyl methane
2425-06-01	Captafol	56-38-2	Monomethyl-tetrachloro-diphenyl methane
63-25-2	Carbaryl	90-43-7	OPP (Orto-phenyl phenol)
57-74-9	Chlordane	87-86-5	Parathion-ethyl
19750-95-9	Chlordimeform hydrochloride	1825-21-4	PCP
470-90-6	Chlorfenvinphos	608-93-5	Pentachloroanisole
510-15-6	Chlorobenzilate	76-01-7	Pentachlorobenzene
93-76-5	Chlorophenoxy acid or ester	52645-53-1	Pentachloroethane
1897-45-6	Chlorthalonil	72-56-0	Permethrin
56-72-4	Coumaphos	13171-21-6	Perthane
68359-37-5	Cyfluthrin	41198-08-7	Phosphamidon
91465-08-6	Cyhalothrin	31218-83-4	Profenofos
53-19-0	DDD	13593-03-8	Propetamphos
72-55-9	DDE	85-68-8	Quinalphos
50-29-3	DDT	78-48-8	Quintozene
52918-63-5	Deltamethrin	8001-50-1	S,S,S-tributyl phosphorotrithioate
333-41-5	Diazinon	297-78-9	Strobane
97-17-6	Dichlofention	25167-83-3	Telodrin
120-36-5	Dichlorprop	57648-21-2	TetraCP
115-32-2	Dicofol	731-27-1	Timiperone (DTTB)
141-66-2	Dicrotophos	8001-35-2	Tolyfluanide
60-57-1	Dieldrin	25167-82-2	Toxaphene
35367-38-5	Diflubenzuron	3380-34-5	Triclosan
60-51-5	Dimethoate	Various	TriCP, TCP (Trichlorophenols) and all isomers of it
88-85-7	Dinoseb and dinoseb salts	64628-44-0	Triflumuron
115-29-7	Endosulfan	1582-09-8	Trifluralin
33213-65-9	Endosulfan II (beta)	56573-85-4	Tributyltin
72-20-8	Endrin	1067-97-6	Tributyltin hydroxide
66230-04-4	Esfenvalerate	892-20-6	Triphenyltin
9000-69-5	Ethylparathione		
51630-58-1	Fenvalerate		
69770-45-2	Flumethrin		
76-44-8	HCHs without Lindane		
1024-57-3	Heptachlor		
36355-01-8	Heptachlor epoxide		
118-74-1	Hexabromobiphenyl		
465-73-6	Hexachlorobenzene		