

Product specific requirements: Annex to RSL

Azo dyes		
Substances	CAS No.	
4-Aminobiphenyl (92-67-1)	92-67-1	n.d.
Benzidine / Benzdine (92-87-5)	92-87-5	n.d.
4-Chlor-o-toluidin / 4-Chloro-o-toluidine (95-69-2)	95-69-2	n.d.
2-Naphthylami / 2-Naphthylamine (91-59-8)	91-59-8	n.d.
o-Aminoazotoluol / o-Aminoazotoluene (97-56-3)	97-56-3	n.d.
5-Nitro-o-toluidin / 5-Nitro-o-toluidine (99-55-8)	99-55-8	n.d.
4-Chloranilin / 4-Chloraniline (106-47-8)	106-47-8	n.d.
4-Methoxy-m-phenylenediamin / 2,4-Diaminoanisole (615-05-4)	615-05-4	n.d.
4,4'-Methylenanilin / 4,4'-Diaminodiphenylmethane (101-77-9)	101-77-9	n.d.
3,3'-Dichlorobenzidin / 3,3'-Dichlorobenzidine (91-94-1)	91-94-1	n.d.
3,3'-Dimethoxybenzidin / 3,3'-Dimethoxybenzidine (119-90-4)	119-90-4	n.d.
3,3'-Dimethylbenzidin (119-93-7) / 3,3'-Dimethylbenzidine (119-93-7) (119-93-7)	119-93-7	n.d.
4,4'-Methylen-di-o-toluidin / 3,3'-Dimethyl-4,4'-diaminodiphenylmethan (838-88-0)	838-88-0	n.d.
6-Methoxy-m-toluidin / 6-Methoxy-m-toluidine (120-71-8)	120-71-8	n.d.
4,4'-Methylen-bis-(2-chloranilin) / 4,4'-Methylene-bis-(2-chloroaniline) (101-14-4)	101-14-4	n.d.
4,4'-Oxydianilin / 4,4'-Oxydianiline (101-80-4)	101-80-4	n.d.
4,4'-Thiodianilin / 4,4'-Thiodianiline (139-65-1)	139-65-1	n.d.
o-Toluidin / o-Toluidine (95-53-4)	95-53-4	n.d.
4-Methyl-m-phenylenediamin / 2,4-Toluylenediamine (95-80-7)	95-80-7	n.d.
2,4,5-Trimethylanilin / 2,4,5-Trimethylaniline (137-17-7)	137-17-7	n.d.
o-Anisidin / o-Anisidine (90-04-0)	90-04-0	n.d.
4-Aminoazobenzol / 4-Aminoazobenzene (60-09-3)	60-09-3	n.d.
2,4-Xylidin / 2,4-Xylidine (95-68-1)	n.d.	n.d.
2,6-Xylidin / 2,6-Xylidine (87-62-7)	n.d.	n.d.

Arylamine salts		
Substances	CAS No.	
4-chloro-o-toluidinium chloride	3165-93-3	
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	

Forbidden Dyes		
Substances	CAS No.	
Disperse Blue 1	2475-45-8	
Basic Red 9	569-61-9	
C.I. Basic Violet 3 with ≥ 0,1 % of Michler's ketone	548-62-9	

PFOS and Related Substances		
Substances	CAS No.	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	
Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9	
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)	70225-14-8	
Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	
N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	
2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	
Perfluoro-1-octanesulfonyl fluoride (POSF)	307-35-7	
Perfluorooctane sulfonamide (PFOSA)	754-91-6	
Didecyl(dimethylammonium perfluorooctane sulfonate (PFOS-N(C ₁₀ H ₂₁)(CH ₃) ₂)	251099-16-8	

PFOA and its Salts		
Substances	CAS No.	
Perfluorooctanoic acid (PFOA)	335-67-1	
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	
Ammonium perfluorooctanoate (APFO)	3825-26-1	

PFOA-related Substances		
Substances	CAS No.	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	
2-Perfluorooctylethanol (8:2 FTOH)	678-39-7	
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	
Perfluorooctane iodide (PFOI)	507-63-1	

Phthalates		
Substances	CAS No.	
Di-butylPhthalates (DBP)	84-74-2	
BenzylbutylPhthalates (BBP)	85-68-7	
Bis-(2-ethylhexyl)Phthalates (DEHP)	117-81-7	
Di-isononylPhthalates (DINP)	28553-12-0	
Di-ocetylPhthalates (DNOP)	117-84-0	
Di-isodecylPhthalates (DIDP)	26761-40-0	
Bis (2-methoxyethyl) Phthalates (DMEP)	117-82-8	
DiisopentylPhthalates (DIPP)	605-50-5	
Di-n-HexylPhthalates (DnHP)	84-75-3	
Diisobutyl Phthalates (DIBP)	84-69-5	
Di-n-pentylphthalat (DPP)	131-18-0	

Organotins		
Substances	CAS No.	
Dibutyltin (DBT)	Multiple	
Diocetyl tin (DOT)	Multiple	
Tri-substituted organotin		
Tributyltin (TBT)	Multiple	
Tricohexyltin (TCyT)	Multiple	
Trioctyltin (TOT)	Multiple	
Triphenyltin (TPHT)	Multiple	
Tripropyltin (TPT)	Multiple	
Trimethyltin (TMT)	Multiple	

Chlorotoluenes / Chlorobenzenes		
Substances	CAS No.	
o,o,o,4-tetrachlorotoluene	5216-25-1	
o,o,o-trichlorotoluene	98-07-7	
o-chlorotoluene	100-44-7	

Pesticide		
Substance	CAS No.	
Hexachlorobutadiene	87-68-3	
Hexachlorocyclohexane (HCH, all isomers)	Various	
Aldrin	309-00-2	
Chlordane	57-74-9	
Chlordecone (Kepon)	143-50-0	
Dieldrin	60-57-1	
Endosulfan and its isomer	115-29-7/959-98-8/33213-65-9	
Erdrin	72-20-8	
Heptachlor and heptachlor epoxide	76-44-8 / 1024-57-3	
Mirex	2385-85-5	
Toxaphene	8001-35-2	
Pentachlorobenzene	608-93-5	
Hexachlorobenzene	118-74-1	
dichlorodiphenyldichloroethylene (DDE);	Various	
dichlorodiphenyldichloroethane (DDD);	Various	
Methoxychlor	72-43-5	
Perthane	72-56-0	
Dicofol	115-32-2	
Dichlorodiphenyltrichloroethane (DDT)	Various	
Isozin	465-73-6	
Kelevan	4234-79-1	
Strobane	8001-50-1	
Telodrin	297-78-9	
Quintozene	82-68-8	

Chlorinated phenols		
Substances	CAS No.	
2,3,4,5-Tetrachlorophenol (TeCP)	4901-51-3	
2,3,4,6-Tetrachlorophenol (TeCP)	58-90-2	
2,3,5,6-Tetrachlorophenol (TeCP)	935-95-5	
Pentachlorophenol (PCP)	87-86-5	

Flame Retardants		
Substances	CAS No.	
Polybrominated Biphenyl (PBB)	59536-65-1	
Tris-(2,3-Dibromopropyl) Phosphate (TRIS)	126-72-7	
Tri-(2-Azirdinyl)phosphine Oxide (TEPA)	545-55-1	
Pentabromodiphenyl Ether (PentaBDE)	32534-81-9	
Tetrabromodiphenyl Ether (TetraBDE)	40088-47-9	
Hexabromodiphenyl Ether (HexaBDE)	36483-60-0	
Heptabromodiphenyl Ether (HeptaBDE)	446255-22-7	
Hexabromocyclododecane (HBCDD)	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7	
Polychlorinated biphenyls	1336-36-3, and others	
Polychlorinated naphthalenes with the formula C ₁₀ H ₆ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 7	Various	
Halogenated biphenyls with the formula C ₁₂ H ₈ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 9	Various	
Halogenated terphenyls with the formula C ₁₈ H ₁₄ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 13	Various	
Halogenated naphthalenes with the formula C ₁₀ H ₆ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 7	Various	
monomethyl-tetrachloro-diphenyl methane	76253-60-6	
monomethyl-dichloro-diphenyl methane	81161-70-8	
monomethyl-dibromo-diphenyl methane	99688-47-8	
Decabromodiphenyl Ether (DecaBDE)	1163-19-5	

Solvents		
Substances	CAS No.	
Benzene	71-43-2	
N,N-Dimethylacetamide (DMAc)	127-19-5	
N,N-Dimethylformamide (DMF)	68-12-2	
1-Methyl-2-pyrrolidone (NMP)	872-50-4	

Flame retardant		
Substance	CAS No.	
Tris-(2,3-Dibromopropyl) Phosphate (TRIS)	126-72-7	
Tri-(aziridinyl)phosphine oxide (TEPA)	545-55-1	
Hexabromocyclododecane (HBCDD and its isomers)	25637-99-4/ 3194-55-6/ 134237-50-6/ 134237-51-7/ 134237-52-8	
Octabromodiphenyl ether (Octa DBE)	32536-52-0	
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	
Heptabromodiphenyl ether (HeptaBDE)	446255-22-7	
Hexabromobiphenyl	36355-01-8	
Polychlorinated biphenyls	1336-36-3, and others	
Polychlorinated naphthalenes with the formula C ₁₀ H ₆ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 7	Various	
Halogenated biphenyls with the formula C ₁₂ H ₈ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 9	Various	
Halogenated terphenyls with the formula C ₁₈ H ₁₄ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 13	Various	
Halogenated naphthalenes with the formula C ₁₀ H ₆ X ₆₋₁₀ ; X = halogen, 0 ≤ n ≤ 7	Various	
monomethyl-tetrachloro-diphenyl methane	76253-60-6	
monomethyl-dichloro-diphenyl methane	81161-70-8	
monomethyl-dibromo-diphenyl methane	99688-47-8	
Decabromodiphenyl Ether (DecaBDE)	1163-19-5	

Substances	CAS No.	Category 1	Category 2		Category 3		Switzerland / EU REACH Annex XVII
		Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (> 30 seconds) during intended use: -in toys (Directive 2009/48/EC) or -for use by children, up to 3 years of age (mg/kg)	Materials not covered by Category 1, coming into long-term contact (> 30 seconds) or short-term repetitive contact with skin during intended or foreseeable use		Materials not covered by Category 1 or 2, coming into short-term contact (≤ 30 seconds) with skin during intended or foreseeable		
			2a Used by children under 14 (mg/kg)	2b Other consumer products (mg/kg)	3a Used by children under 14 (mg/kg)	3b Other consumer products (mg/kg)	
Naphthalene (NAP)	91-20-3	< 1	< 2		< 10		
Acenaphthylene (ANY)	208-96-8						
Phenanthrene (PHE)	85-01-8	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum	
Anthracene (ANT)	120-12-7						
Fluoranthene (FLT)	206-44-0						
Pyrene (PYR)	129-00-0	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Indeno[1,2,3-cd]pyrene (IPY)	193-39-5	< 0.2	< 0.2	< 0.5	< 0.5	< 1	
Benz[ghi]perylene (BPE)	191-24-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Benz[aj]anthracene (BaA)	56-55-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Chrysene (CHR)	218-01-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Benz[b]fluoranthene (BbF)	205-99-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Benz[ghi]fluoranthene (BjF)	205-82-3	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Benz[k]fluoranthene (BkF)	207-08-9	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Benz[a]pyrene (BaP)	50-32-8	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Benz[e]pyrene (BeP)	192-97-2	< 0.2	< 0.2	< 0.5	< 0.5	< 1	< 1 mg/kg (other); 0.5 mg/kg (Childcare article)
Dibenz[ah]anthracene (DBA)	63-70-3	< 1	< 5	< 10	< 20	< 50	
Sum 15 PAH (mg/kg)							

Parameter EU	Category 1	Category 2		Category 3	
	Material intended to be put in the mouth or toys with intended skin contact (mg/kg) (longer than 30 s).	Materials not falling under category 1 with foreseeable contact to skin for longer than 30 seconds (long-term skin or frequent contact), (mg/kg)		Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 seconds (short-term skin contact), (mg/kg)	
		Toy under 2009/48/EC	Other products ProdSG	Toy under 2009/48/EC	Other products under ProdSG
Naphthalene	< 1	< 2	< 10	< 20	< 50
Fluorene	< 1 sum	< 5 sum	< 10 sum	< 20 sum	< 50 sum
Phenanthrene					
Anthracene					
Fluoranthene					
Pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[aj]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[b]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[ghi]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[k]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[a]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenz[ah]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benz[ghi]perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Sum 15 PAH (mg/kg)	< 1	< 5	< 10	< 20	< 50