

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
1.1	halogenated hydrocarbons, aliphatic	1,1,1,2-tetrachloroethane	D(FA)	630-20-6	211-135-1	22, 40, 41	tbc	Regulation (EC) No 1907/2006, Annex XVII	France: AR 13101996; Germany: ChemVerbotsV		In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
1	halogenated hydrocarbons, aliphatic	1,1,1,2-tetrachloroethane	P(AR)	630-20-6	211-135-1	22, 40, 41	tbc	Regulation (EC) No 1907/2006, Annex XVII	France: AR 13101996; Germany: ChemVerbotsV		In diffusive applications such as in surface cleaning and cleaning of fabrics	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
2.1	halogenated hydrocarbons, aliphatic	1,1,1-trichloroethane; methyl chloroform; Solvent 111; 1,1,1-TCE	D(FA)	71-55-6	200-756-3	20, 59	H332, EUH059	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1005/2009, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV	North America: US EPA ODS	In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	solvents, cleaning products, leather, paints, rubbers	31.01.11	31.01.11
2	halogenated hydrocarbons, aliphatic	1,1,1-trichloroethane; methyl chloroform; Solvent 111; 1,1,1-TCE	P(AR)	71-55-6	200-756-3	20, 59	H332, EUH059	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1005/2009, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV	North America: US EPA ODS	In diffusive applications such as in surface cleaning and cleaning of fabrics	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	solvents, cleaning products, leather, paints, rubbers	31.01.11	31.01.11
3.1	halogenated hydrocarbons, aliphatic	1,1,2,2-tetrachloroethane	D(FA)	79-34-5	201-197-8	26/27, 51/53	H330, H310, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV		In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
3	halogenated hydrocarbons, aliphatic	1,1,2,2-tetrachloroethane	P(AR)	79-34-5	201-197-8	26/27, 51/53	H330, H310, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV		In diffusive applications such as in surface cleaning and cleaning of fabrics	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
4.1	halogenated hydrocarbons, aliphatic	1,1,2-trichloro-1,2,2-trifluoroethane; R 113	D(FA)	76-13-1	200-936-1	51/53, 59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: US EPA ODS	In all applications except in those areas that are prohibited.	0,10%	all applications in substances and preparations at [C]>0,1 % for public marketing or application that leads to large diffusion such as Cleaning or surfaces and cleaning of textiles	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
4	halogenated hydrocarbons, aliphatic	1,1,2-trichloro-1,2,2-trifluoroethane; R 113	P(AR)	76-13-1	200-936-1	51/53, 59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: US EPA ODS	In diffusive applications such as in surface cleaning and cleaning of fabrics	0,10%	all applications in substances and preparations at [C]>0,1 % for public marketing or application that leads to large diffusion such as Cleaning or surfaces and cleaning of textiles	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11

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5.1	halogenated hydrocarbons, aliphatic	1,1,2-trichloroethane	D(FA)	79-00-5	201-166-9	20/21/22, 40, 66	H351, H332, H312, H302	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV		In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
5	halogenated hydrocarbons, aliphatic	1,1,2-trichloroethane	P(AR)	79-00-5	201-166-9	20/21/22, 40, 66	H351, H332, H312, H302	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV		In diffusive applications such as in surface cleaning and cleaning of fabrics	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
6.1	halogenated hydrocarbons, aliphatic	1,1-dichloroethylene; vinylidene chloride	D(FA)	75-35-4	200-864-0	12, 20, 40	H224, H351, H332	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV		In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
6	halogenated hydrocarbons, aliphatic	1,1-dichloroethylene; vinylidene chloride	P(AR)	75-35-4	200-864-0	12, 20, 40	H224, H351, H332	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV		In diffusive applications such as in surface cleaning and cleaning of fabrics	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
7.1	halogenated hydrocarbons, aromatic	1,2,4-trichlorobenzene; 1,2,4-TCB	D(FA)	120-82-1	204-428-0	22, 38, 50/53	H302, H315, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Canada: CEPA PSL 1, CH - SR 814.81 Annex 1.1	In all applications except in those areas that are prohibited.	0,10%	Shall not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0,1 % by mass for all uses except as an intermediate of synthesis, or as a process solvent in closed chemical applications for chlorination reactions, or in the manufacture of 1,3,5-trinitro, 2,4,6-triaminobenzene (TATB).	solvents, corrosion inhibitor, pesticide	31.01.11	31.01.11
7	halogenated hydrocarbons, aromatic	1,2,4-trichlorobenzene; 1,2,4-TCB	P(AR)	120-82-1	204-428-0	22, 38, 50/53	H302, H315, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Canada: CEPA PSL 1, CH - SR 814.81 Annex 1.1	All application in a concentration higher than 0,1% by mass	0,10%	Shall not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0,1 % by mass for all uses except as an intermediate of synthesis, or as a process solvent in closed chemical applications for chlorination reactions, or in the manufacture of 1,3,5-trinitro, 2,4,6-triaminobenzene (TATB).	solvents, corrosion inhibitor, pesticide	31.01.11	31.01.11
8	halogenated hydrocarbons, aliphatic	1,2-dibromotetrafluoroethane; Halon 2402	P(AR)	124-73-2	204-711-9	59	tbc	Regulation (EC) No 2037/2000, Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: US EPA ODS	All applications			lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
9	halogenated hydrocarbons, aliphatic	1,2-dichloro-1,1,2,2-tetrafluoroethane; R 114	P(AR)	76-14-2	200-937-7	59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: US EPA ODS	All applications			lubricants, cleaning agents, coolants, propellants	31.01.11	31.01.11
10	epoxides	1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether	D(FA)	2425-79-8	219-371-7	20/21, 36/38, 43	H332, H312, H319, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			cationic curing, adhesives, insulating materials (electricity), binders	31.01.11	31.01.11
11.1	halogenated hydrocarbons, aromatic	1,4-dichlorobenzene; p-dichlorobenzene	D(FA)	106-46-7	203-400-5	36, 40, 50/53	H351, H319, H400, H410	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008	Sweden: Swedish Pesticide Ordinance (1985:836), KIFS 2008:2		In all applications except in those areas that are prohibited.			hiding odour agent, urinal stone	31.01.11	31.01.11

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11	halogenated hydrocarbons, aromatic	1,4-dichlorobenzene; p-dichlorobenzene	P(AR)	106-46-7	203-400-5	36, 40, 50/53	H351, H319, H400, H410	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008	Sweden: Swedish Pesticide Ordinance (1985:836), KIFS 2008:2		Pesticide			hiding odour agent, urinal stone	31.01.11	31.01.11
12	hydrocarbons, aromatic	1,4-dihydroxybenzene; hydroquinone; quinol	D(FA)	123-31-9	204-617-8	22, 40, 68, 41, 43, 50	H351, H341, H302, H318, H317, H400	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications		Experiments with this substance conducted by pupils are not prohibited but the checking for substitutes is of special importance	developers	31.01.11	31.01.11
13.1	halogenated hydrocarbons, aliphatic	1-chloro-1,1-difluoroethane; HCFC-142b	D(FA)	75-68-3	200-891-8	12, 59	tbc	Regulation (EC) No 1005/2009		North America: US EPA Class II ODS	In all applications except in those areas that are prohibited.		It is only allowed to produce, to use and to place on the market the amounts of the substance as laid down in the regulation. Further information on the prohibition and exceptions can be taken from the regulation. Second Ord. on the Implementation of the Federal Immission Control Act, first Section, §§ 1 and 2 It is prohibited to utilise the substance in the following facilities: surface treatment facilities (e.g. cleaning of items and materials), dry cleaning facilities and textile finishing plants, extraction facilities (e.g. extraction of flavours, fats and oils). Further details on prohibitions and exceptions can be taken from the Second Ordinance for the Implementation of the Federal Immission Control Act.	propellant for foam plastics, intermediates, raw material, cleaning agents	31.01.11	31.01.11
13	halogenated hydrocarbons, aliphatic	1-chloro-1,1-difluoroethane; HCFC-142b	P(AR)	75-68-3	200-891-8	12, 59	tbc	Regulation (EC) No 1005/2009		North America: US EPA Class II ODS	Surface treatment facilities (e.g. cleaning of items and materials), Dry cleaning facilities and textile finishing plants, Extraction facilities (e.g. extraction of flavours, fats and oils)		It is only allowed to produce, to use and to place on the market the amounts of the substance as laid down in the regulation. Further information on the prohibition and exceptions can be taken from the regulation. Second Ord. on the Implementation of the Federal Immission Control Act, first Section, §§ 1 and 2 It is prohibited to utilise the substance in the following facilities: surface treatment facilities (e.g. cleaning of items and materials), dry cleaning facilities and textile finishing plants, extraction facilities (e.g. extraction of flavours, fats and oils). Further details on prohibitions and exceptions can be taken from the Second Ordinance for the Implementation of the Federal Immission Control Act.	propellant for foam plastics, intermediates, raw material, cleaning agents	31.01.11	31.01.11
14	halogenated hydrocarbons, aliphatic	1-chloro-2,3-epoxypropane; epichlorhydrin	D(FA)	106-89-8	203-439-8	45, 10, 23/24/25, 34, 43	H226, H350, H331, H311, H301, H314, H317	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008			All applications			intermediates (epoxy resin), raw material, precipitants	31.01.11	31.01.11
15	acrylates and acetates	2,2-bis(acryloyloxymethyl)butyl acrylate; trimethylolpropane triacrylate	D(FA)	15625-89-5	239-701-3	36/38, 43	H319, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			cationic curing, paints, varnishes, binders (other products), binders (paints, adhesives etc.)	31.01.11	31.01.11
16	halogenated hydrocarbons, aliphatic	2,2-difluorotetrachloroethane; R 112	P(AR)	76-11-9	200-934-0	36/37/38, 59	tbc	Regulation (EC) No 1005/2009		North America: US EPA class I ODS, Clean Air Act (CAA), 42 USC 7671c-d	All applications			refrigerants, jointing materials, cutting fluids	31.01.11	31.01.11
17	amines, aromatic	2,4,5-trimethylaniline	P(AR)	137-17-7	205-282-0	45, 23/24/25, 51/53	H350, H331, H311, H301, H411	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	All applications	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
18	hydrocarbons, aromatic	2,4-dinitrotoluene	D(FA)	121-14-2	204-450-0	45, 68, 62, 23/24/25, 48/22, 50/53	H350, H341, H361f, H331, H311, H301, H373, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used in the production of toluene diisocyanate, which is used for the manufacture of flexible polyurethane foams. The substance is also used as gelatinizing-plasticizing agent for the manufacture of explosives, and as a cross-linking agent in the non-ferrous metals industry.	31.01.11	31.01.11
19	Glycol ethers	2-Ethoxyethanol	D(FA)	110-80-5	203-804-1	60, 61, 10, 20/21/22	H226, H360FD, H332, H312, H302	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			The substance is part of industrial varnishes. Intermediate product in manufacture of ethylglycol acetate	31.01.11	31.01.11
20	acrylates and acetates	2-hydroxyethyl acrylate	D(FA)	818-61-1	212-454-9	24, 34, 43, 50	H311, H314, H317, H400	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			cationic curing, paints, varnishes, binders (other products), binders (paints, adhesives etc.)	31.01.11	31.01.11
21	acrylates and acetates	2-hydroxyethyl methacrylate	D(FA)	868-77-9	212-782-2	36/38, 43	H319, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			cationic curing, paints, varnishes, binders (other products), binders (paints, adhesives etc.)	31.01.11	31.01.11

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22	amines, aromatic	2-naphthylamine and its salts	P(AR)	91-59-8	202-080-4	45, 23, 51/53	H350, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 01021993; Germany: ChemVerbotsV		All substances and mixtures	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market.	in dyes for leather and textile, stabilizer in rubber	31.01.11	31.01.11
23	amines, aliphatic	2-tert-butylaminoethyl methacrylate	D(FA)	3775-90-4	223-228-4	36/38, 43	H319, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			cationic curing, paints, varnishes, binders (other products), binders (paints, adhesives etc.)	31.01.11	31.01.11
24.1	amines, aromatic	3,3-dichlorobenzidine	D(FA)	91-94-1	202-109-0	45, 21, 43, 50/53	H350, H312, H317, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.14	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
24	amines, aromatic	3,3-dichlorobenzidine	P(AR)	91-94-1	202-109-0	45, 21, 43, 50/53	H350, H312, H317, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
25.1	amines, aromatic	3,3-dimethoxybenzidine	D(FA)	119-90-4	204-355-4	45, 22	H350, H302	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.16	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
25	amines, aromatic	3,3-dimethoxybenzidine	P(AR)	119-90-4	204-355-4	45, 22	H350, H302	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.15	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
26.1	amines, aromatic	3,3-dimethylbenzidine	D(FA)	119-93-7	204-358-0	45, 22, 51/53	H350, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.18	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
26	amines, aromatic	3,3-dimethylbenzidine	P(AR)	119-93-7	204-358-0	45, 22, 51/53	H350, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.17	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
27.1	halogenated hydrocarbons, aromatic	3,4-dichloroaniline	D(FA)	95-76-1	202-448-4	23/24/25, 41, 43, 50/53	H331, H311, H301, H318, H317, H400, H410	Recommendation 2006/283/EC, Regulation (EC) No 1272/2008			In all applications except in those areas that are prohibited.		cleaning agent	cleaning	31.01.11	31.01.11
27	halogenated hydrocarbons, aromatic	3,4-dichloroaniline	P(AR)	95-76-1	202-448-4	23/24/25, 41, 43, 50/53	H331, H311, H301, H318, H317, H400, H410	Recommendation 2006/283/EC, Regulation (EC) No 1272/2008			Cleaning Agents		cleaning agent	cleaning	31.01.11	31.01.11
28	amines, aromatic	4,4-diaminodiphenylmethane; 4,4-methylenedianiline; MDA	D(FA)	101-77-9; 83712-44-1	202-974-4	45, 39/23/24/25, 43, 48/20/21/22, 68, 51/53	H350, H341, H370, H373, H317, H411	Regulation (EC) No 1907/2006, Annex XIV, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			intermediate product in manufacture of synthetic resins, adhesive agents, dyes, vulcanisation accelerators, hardener e.g. in epoxy resins and adhesive	31.01.11	31.01.11
29.1	amines, aromatic	4,4-methylene-bis-(2-chloroaniline)	D(FA)	101-14-4	202-918-9	45, 22, 50/53	H350, H302, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
29	amines, aromatic	4,4-methylene-bis-(2-chloroaniline)	P(AR)	101-14-4	202-918-9	45, 22, 50/53	H350, H302, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
30.1	amines, aromatic	4,4-methylenedi-otoluidine	D(FA)	838-88-0	212-658-8	45, 22, 43, 50/53	H350, H302, H317, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
30	amines, aromatic	4,4-methylenedi-otoluidine	P(AR)	838-88-0	212-658-8	45, 22, 43, 50/53	H350, H302, H317, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
31.1	amines, aromatic	4,4-oxydianiline	D(FA)	101-80-4	202-977-0	45, 46, 23/24/25, 62, 51/53	H350, H340, H361f, H331, H311, H301, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
31	amines, aromatic	4,4-oxydianiline	P(AR)	101-80-4	202-977-0	45, 46, 23/24/25, 62, 51/53	H350, H340, H361f, H331, H311, H301, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
32.1	amines, aromatic	4,4-thiodianiline	D(FA)	139-65-1	205-370-9	45, 22, 51/53	H350, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
32	amines, aromatic	4,4-thiodianiline	P(AR)	139-65-1	205-370-9	45, 22, 51/53	H350, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
33.1	amines, aromatic	4-amino azobenzene	D(FA)	60-09-3	200-453-6	45, 50/53	H350, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
33	amines, aromatic	4-amino azobenzene	P(AR)	60-09-3	200-453-6	45, 50/53	H350, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
34.1	amines, aromatic	4-chloroaniline	D(FA)	106-47-8	203-401-0	45, 23/24/25, 43, 50/53	H350, H331, H311, H301, H317, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
34	amines, aromatic	4-chloroaniline	P(AR)	106-47-8	203-401-0	45, 23/24/25, 43, 50/53	H350, H331, H311, H301, H317, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
35.1	amines, aromatic	4-chloro-o-toluidine	D(FA)	95-69-2	202-441-6	45, 23/24/25, 68, 50/53	H350, H341, H331, H311, H301, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
35	amines, aromatic	4-chloro-o-toluidine	P(AR)	95-69-2	202-441-6	45, 23/24/25, 68, 50/53	H350, H341, H331, H311, H301, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
36.1	amines, aromatic	4-methoxy-m-phenylenediamine	D(FA)	615-05-4	210-406-1	45, 22, 68, 51/53	H350, H341, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
36	amines, aromatic	4-methoxy-m-phenylenediamine	P(AR)	615-05-4	210-406-1	45, 22, 68, 51/53	H350, H341, H302, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
37.1	amines, aromatic	4-methyl-m-phenylenediamine	D(FA)	95-80-7	202-453-1	45, 21, 25, 43, 48/22, 62, 68, 51/53	H350, H341, H361f, H301, H312, H373, H317, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
37	amines, aromatic	4-methyl-m-phenylenediamine	P(AR)	95-80-7	202-453-1	45, 21, 25, 43, 48/22, 62, 68, 51/53	H350, H341, H361f, H301, H312, H373, H317, H411	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
38	hydrocarbons, aromatic	4-nitrobiphenyl	P(AR)	92-93-3	202-204-7	45, 51/53	H350, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 01021993; Germany: ChemVerbotsV	Swiss: SR 814.81 Annex 1.13	All application	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market.	In dyes for leather and textile, stabilizer in rubber	31.01.11	31.01.11
39	isocyanates	4-toluenesulfonyl isocyanate; tosyl isocyanate	D(FA)	4083-64-1	223-810-8	14, 36/37/38, 42	H319, H335, H315, H334	Regulation (EC) No 1272/2008			All applications			starting substance	31.01.11	31.01.11
40.1	amines, aromatic	5-nitro-o-toluidine	D(FA)	99-55-8	202-765-8	23/24/25, 40, 52/53	H351, H331, H311, H301, H412	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
40	amines, aromatic	5-nitro-o-toluidine	P(AR)	99-55-8	202-765-8	23/24/25, 40, 52/53	H351, H331, H311, H301, H412	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
41.1	amines, aromatic	6-methoxy-m-toluidine	D(FA)	120-71-8	204-419-1	45, 22	H350, H302	Directive 2002/61/EC, Regulation (EC) No 1907/2006		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
41	amines, aromatic	6-methoxy-m-toluidine	P(AR)	120-71-8	204-419-1	45, 22	H350, H302	Directive 2002/61/EC, Regulation (EC) No 1907/2006		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11

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42	amines, aliphatic	acrylamide; prop-2-enamide	D(FA)	79-06-1	201-173-7	45, 46, 20/21, 25, 36/38, 43, 48/23/24/25	H350, H340, H361f, H301, H372, H332, H312, H319, H315, H317	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			intermediates, raw material, precipitants, paints, varnishes, Synthesis of Polyacrylamide, manufacture of dyes	31.01.11	31.01.11
43	acrylates and acetates	acrylonitrile	D(FA)	107-13-1	203-466-5	45, 11, 23/24/25, 37/38, 41, 43, 51/53	H225, H350, H331, H311, H301, H335, H315, H318, H317, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008			All applications			production of plastics, resins and rubbers	31.01.11	31.01.11
44	halogenated hydrocarbons, cyclic	aldrin	P(AR)	309-00-2	06-215-8	24/25, 40, 48/24/25, 50/53	H351, H311, H301, H372, H400, H410	Regulation (EC) No 850/2004	France: Code de l'environnement R521-11		All applications			Wood treatment	31.01.11	31.01.11
45	artificial fibers	aluminosilicate refractory ceramic fibers; RCF	D(FA)	none	none	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications		Aluminosilicate Refractory Ceramic fibers are fibers covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation Regulation (EC) No 1272/2008, and fulfil the two following conditions: a) Al2O3 and SiO2 are present within the following concentration ranges: • Al2O3: 43.5 - 47 % w/w, and SiO2: 49.5 - 53.5 % w/w, or • Al2O3: 45.5 - 50.5 % w/w, and SiO2: 48.5 - 54 % w/w, b) fibers have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers (µm).	Used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment).	31.01.11	31.01.11
46	chromium(VI) compounds	ammonium dichromate	D(FA)	7789-09-5	232-143-1	2, 8, 45, 46, 60-61	H272, H350, H340, H360FD, H330, H301, H372, H312, H314, H334, H317, H400, H410	Directive 2000/53/EC, Regulation (EC) No 1907/2006, Annex XVII, Recommendation 2008/455/EC, Regulation (EC) No 1272/2008			All applications			metal surface treatment agents, paints, varnishes	31.01.11	31.01.11
47	hydrocarbons, aromatic	anthracene	D(FA)	120-12-7	204-371-1	36/37/38, 42/43	tbc	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			chemical for synthesis, Organic semiconductor, scintillator, plasticizer, wood treatment	31.01.11	31.01.11
48.1	hydrocarbons, aromatic	anthracene oil	D(FA)	90640-80-5	292-602-7	45	H350	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			In all applications except in those areas that are prohibited.			wood treatment	31.01.11	31.01.11
48	hydrocarbons, aromatic	anthracene oil	P(AR)	90640-80-5	292-602-7	45	H350	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			Shall not be used as substances or in preparations in the treatment of wood. Furthermore, wood so treated shall not be placed on the market. By way of derogation: (a) Relating to the substances and preparations: these may be used for wood treatment in industrial installations or by professionals covered by Community legislation on the protection of workers for in situ retreatment only if they contain: (i) benzo[a]pyrene at a concentration of less than 0,005 % by mass (ii) and water extractable phenols at a concentration of less than 3 % by mass. (b) Relating to wood treated in industrial installations or by professionals according to point (a) which is placed on the market for the first time or retreated in-situ: this is permitted for professional and industrial use only, e.g. on railways, in electric power transmission and telecommunications, for fencing, for agricultural purposes (e.g. stakes for tree support) and in harbours and waterways. (c) The prohibition on the placing on the market shall not apply to wood which has been treated with substances listed in entry 31(a) to (i) before 31 December 2002 and is pl		wood treatment	31.01.11	31.01.11	

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49	hydrocarbons, aromatic	anthracene oil; anthracene paste; distn. Lights	D(FA)	91995-17-4	295-278-5	45, 46	H350, H340	Directive 2005/90/EC, Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			wood treatment, Anthracene, Waterproof membranes, basic chemicals, impregnation agent	31.01.11	31.01.11
50	hydrocarbons, aromatic	anthracene oil; anthracene paste	D(FA)	90640-81-6	292-603-2	45, 46	H350, H340	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			wood treatment, Anthracene, Waterproof membranes, basic chemicals, impregnation agent	31.01.11	31.01.11
51	hydrocarbons, aromatic	anthracene oil; anthracene paste; anthracene fraction	D(FA)	91995-15-2	295-275-9	45, 46	H350, H340	Directive 2005/90/EC, Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			wood treatment, Anthracene, Waterproof membranes, basic chemicals, impregnation agent	31.01.11	31.01.11
52	hydrocarbons, aromatic	anthracene oil; anthracene-low	D(FA)	90640-82-7	292-604-8	45, 46	H350, H340	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			wood treatment, Anthracene, Waterproof membranes, basic chemicals, impregnation agent	31.01.11	31.01.11
53	non ferrous metals and their compounds	antimony compounds	D(FA)	several, Sb: 7440-36-0	several, Sb: 231-146-5	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1272/2008			All applications			soft solders, bearing metals, plastics	31.01.11	31.01.11
54	non ferrous metals and their compounds	antimony trioxide	D(FA)	1309-64-4	215-175-0	40	H351	Regulation (EC) No 1272/2008			All applications			opacifier for colourless enamel, part of flame proofing agents, softening agents, UV-absorbing coatings for textile fibers; used for the production of antimony oxide nano particles	31.01.11	31.01.11
55.1	arsenic compounds	arsenic and its compounds	D(FA)	several, As: 7440-38-2	several, As: 231-148-6	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: wood DC 92-1074 DC 2004-1227	North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life.; Canada: CEPA Toxic; Swiss: SA 814.81 Annex 2.4	In all applications except in those areas that are prohibited.		Shall not be used as substances and constituents of preparations intended for use: (a) to prevent the fouling by micro-organisms, plants or animals of the hulls of boats, cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, any totally or partly submerged appliances or equipment; (b) in the preservation of wood.	biocides (including wood treatment), paints, smelted materials, semiconductors, electronic device, leather and textile finishes, glasses	31.01.11	31.01.11
55	arsenic compounds	arsenic and its compounds	P(AR)	several, As: 7440-38-2	several, As: 231-148-6	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: wood DC 92-1074 DC 2004-1227	North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life.; Canada: CEPA Toxic; Swiss: SA 814.81 Annex 2.4	On equipment partly or totally submerged; Water treatment; Wood treatment; Except: Wood preservation (CCA type C) for: Buildings & construction works, bridges, noise barriers, power transmission poles, underground railway sleepers, and all other applications than those mentioned in the Annex XVII		Shall not be used as substances and constituents of preparations intended for use: (a) to prevent the fouling by micro-organisms, plants or animals of the hulls of boats, cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, any totally or partly submerged appliances or equipment; (b) in the preservation of wood.	biocides (including wood treatment), paints, smelted materials, semiconductors, electronic device, leather and textile finishes, glasses	31.01.11	31.01.11
56	minerals	asbestos	P(AR)	several	none	45, 48/23	H350, H372	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	Sweden: 1986:683; Germany: ChemVerbotsV	TSCA Decision of the Fifth Circuit Court of Appeals; Swiss: SR 814.81 Annex 1.6, SA 814.81 Annex 2.4; Canada: CEPA Toxic	All applications			insulating materials, composites materials, cements	31.01.11	31.01.11

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57	esters of phthalic acid	BBP; benzyl butyl phthalate	D(FA)	85-68-7	201-622-7	61, 62, 50/53	H360Df, H400, H410	Decision 1999/815/EC, Regulation (EC) No 1907/2006, Annex XIV, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC). Regulation (EC) No 1272/2008			All applications			plasticizers and hardeners	31.01.11	31.01.11
58	hydrocarbons, aromatic	benzene	P(AR)	71-43-2	200-753-7	45, 46, 11, 36/38, 48/23/24/25	H225, H350, H340, H372, H304, H319, H315	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: DC 91-880 DC 2003-1254 - Arrêté du 30 April 2009	Swiss: SR 814.81 Annex 1.12	All applications: Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market.	0,10%	Not permitted in toys or parts of toys as placed on the market where the concentration of benzene in the free state is in excess of 5 mg/kg of the weight of the toy or part of toy. Shall not be used in concentrations equal to, or greater than, 0,1 % by mass in substances or preparations placed on the market. Shall not apply to (a) motor fuels which are covered by Directive 98/70/EC; (b) substances and preparations for use in industrial processes not allowing for the emission of benzene in quantities in excess of those laid down in existing legislation; (c) waste covered by Council Directive 91/689/EEC of 12 December 1991 on hazardous waste (1) and Directive 2006/12/EC.	solvent, petrol, resin, rubber	31.01.11	31.01.11
59	amines, aromatic	benzidine and its salts	P(AR)	92-87-5	202-199-2	45, 22, 50/53	H350, H302, H400, H410	Directive 2002/61/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 01021993, Regulation (EC) No 1272/2008; Germany: ChemVerbotsV	Canada: Canadian toxic substances regulation 2005, Prohibition of certain toxic substances regulation, 2005 (SOR/SOR/2005-41) 0,01%, intentional addition is prohibited in Canada	In all substances and mixtures.	0,01%		in dyes for leather and textile, stabilizer in rubber	31.01.11	31.01.11
60	non ferrous metals and their compounds	beryllium and its compounds	D(FA)	several, Be: 7440-41-7	several, Be: 231-150-7	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008			All applications			used for the production of beryllium bronze (main application), X-ray windows, alloys and oxide-ceramic products for the aviation and space flight industry	31.01.11	31.01.11
61	non ferrous metals and their compounds	beryllium oxide	D(FA)	1304-56-9	215-133-1	49, 25, 26, 36/37/38, 43, 48/23	H350i, H330, H301, H372, H319, H335, H315, H317	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008			All applications			used as moderator in nuclear reactors, for the production of aircraft engine spark plugs, crucibles, metal moulds, insulating material for radar tubes, fluorescence lamps	31.01.11	31.01.11
62	amines, aromatic	biphenyl-4-ylamine; xenylamine; 4-aminobiphenyl and its salts	P(AR)	92-67-1	202-177-1	45, 22	H350, H302	Directive 2002/61/EC, Directive 2004/21/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 01021993; Germany: ChemVerbotsV		Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market. Azodyes which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines listed in Appendix 8 (Regulation (EC) No 1907/2006), in detectable concentrations, i.e. above 30 ppm in the finished articles or in the dyed parts thereof, according to the testing methods listed in Appendix 10 (Regulation (EC) No 1907/2006), shall not be used in textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity, such as: chair covers, yarn and fabrics intended for use by the final consumer.	0,10%		in dyes for leather and textile, stabilizer in rubber	31.01.11	31.01.11
63	fungicide	bis((dimethylamino) carbonothioyl) disulphide alpha.alpha-Dithiobis (dimethylthio) formamide; tetramethylthiuram disulphide; Thiram; TMTD	D(FA)	137-26-8	205-286-2	20/22, 36/38, 43, 48/22, 50/53	H332, H302, H373, H319, H315, H317, H400, H410	Regulation (EC) No 1272/2008, Regulation (EC) No 1107/2009			All applications			in paint, vulcanising agent for rubber, oil additive	31.01.11	31.01.11
64	organo tin compounds	bis(tri-n-butyltin)oxide; hexabutyliditin	D(FA)	56-35-9	200-268-0	21, 25, 36/38, 48/23/25, 50/53	tbc	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			biocide, antifouling agent, agricultural pesticides, conservation of timber, textiles and leather	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
65	hydrocarbons, aromatic	bis[4-(2,3-epoxypropoxy)phenyl]propane; bisphenol A diglycidyl ether; BADGE	D(FA)	1675-54-3	216-823-5	36/38, 43	H319, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			binders (paints, adhesives etc.), paints, varnishes, floor covering materials	31.01.11	31.01.11
66	non ferrous metals and their compounds	bismuth	D(FA)	7440-69-9	231-177-4	11	tbc				All applications			electronic equipment	31.01.11	31.01.11
67	hydrocarbons, aromatic	bisphenol A; 4,4-isopropylidenediphenol	D(FA)	80-05-7	201-245-8	37, 41, 43, 62, 52	H361f, H335, H318, H317	Regulation (EC) No 1272/2008			All applications			intermediates, raw material, hardeners, stabilizers	31.01.11	31.01.11
68	boron and its compounds	boric acid	D(FA)	10043-35-3; 11113-50-1	233-139-2; 234-343-4	60, 61	H360FD	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used on account of its consistency-influencing, flame-retarding, antiseptic and preservative properties. Component of detergents and cleaners, adhesives, industrial fluids, brake fluids, glass, ceramics, flame retardants, paints, disinfectants insecticides and other products.	31.01.11	31.01.11
69	halogenated hydrocarbons, aliphatic	bromochlorodifluoromethane; R 12 B1; Freon 12 B1	P(AR)	353-59-3	206-537-9	59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: US EPA ODP	All applications			lubricants, cleaning agents; coolants, propellants	31.01.11	31.01.11
70	halogenated hydrocarbons, aliphatic	bromochloromethane; BCM	P(AR)	74-97-5	200-826-3	37/38, 41, 59	tbc	Regulation (EC) No 2037/2000, Regulation (EC) No 1005/2009		Swiss: SR 814.81 Annex 1.4	All applications			Fire extinguishant, pesticides, fungicides, intermediate	31.01.11	31.01.11
71	halogenated hydrocarbons, aliphatic	bromofluorochlorocarbons (Halons) Several: Halon 1211, 1301, 2402	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1005/2009			All applications			fire extinguishers	31.01.11	31.01.11
72	halogenated hydrocarbons, aliphatic	bromomethane; methylbromide	P(AR)	74-83-9	200-813-2	23/25, 36/37/38, 68, 48/20, 50, 59	H341, H331, H301, H373, H319, H335, H315, H400, EUH059	Regulation (EC) No 1272/2008, Regulation (EC) No 1005/2009			All applications			solvents, cleaning agent, cooling agent	31.01.11	31.01.11
73.1	non ferrous metals and their compounds	cadmium and its compounds	D(FA)	several, Cd: 7440-43-9	several, Cd: 231-152-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2000/53/EC, Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Recommendation 2008/446/EC, Regulation (EC) No 1272/2008	Sweden: 1998:944, 99/51/EC; France: DC 94-647, DC 2002-506, DC 2005-829; Germany: ChemVerbotsV, BattG, ElektroG; France: Code de l'environnement R543-125, Arrêté du 1 juillet 2004	Norway: As a part of the European Economic Area Norway is obliged to comply with the Directive 94/62/EC; Swiss: Ordinance Relating to Environmentally Hazardous Substances (Ordinance on Substances, OSubst) Annex 4.10, Stoffverordnung (StoV, Ordinance on Substances) Annex 3.2, Annex 4.11, Chemikalien-Risikoreduktions-Verordnung (ChemRRV) [Ordinance on the reduction of chemicals-related risks] Annex 2.15; China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products(Draft from March 2004), Proposal on Restriction of Hazardous Materials In PVC Artificial Leather; Canada: CEPA Toxic; Swiss: SR 814.81 Annex 2.8, Annex 2.9, Annex 2.15, Annex 2.16 and Annex 2.17	In all applications except in those areas that are prohibited.	Paints (pigments or stabilizers)* 0.01% w/w; Surface coatings; Portable batteries 0.002% w/w; Zinc carbon 0.015% w/w; Non removable batteries: 0.025% w/w (France), 0.0005% w/w (Swiss)	plastics, textiles, wires, packaging, surface treatment for metals, batteries	31.01.11	31.01.11	
73	non ferrous metals and their compounds	cadmium and its compounds	P(AR)	several, Cd: 7440-43-9	several, Cd: 231-152-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2000/53/EC, Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Recommendation 2008/446/EC, Regulation (EC) No 1272/2008	Sweden: 1998:944, 99/51/EC; France: DC 94-647, DC 2002-506, DC 2005-829; Germany: ChemVerbotsV, BattG, ElektroG; France: Code de l'environnement R543-125, Arrêté du 1 juillet 2004	Norway: As a part of the European Economic Area Norway is obliged to comply with the Directive 94/62/EC; Swiss: Ordinance Relating to Environmentally Hazardous Substances (Ordinance on Substances, OSubst) Annex 4.10, Stoffverordnung (StoV, Ordinance on Substances) Annex 3.2, Annex 4.11, Chemikalien-Risikoreduktions-Verordnung (ChemRRV) [Ordinance on the reduction of chemicals-related risks] Annex 2.15; China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products(Draft from March 2004), Proposal on Restriction of Hazardous Materials In PVC Artificial Leather; Canada: CEPA Toxic; Swiss: SR 814.81 Annex 2.8, Annex 2.9, Annex 2.15, Annex 2.16 and Annex 2.17	all applications except batteries, electrical contact for reliability reasons, safety equipments, Electrical and electronic equipments. Please note the detailed applications in Annex XVII Plastics; Packaging; Resins; Paints (pigments or stabilizers) 0.01% w/w; Surface coatings; Portable batteries 0.002% w/w; Zinc carbon 0.015% w/w; Non removable batteries: 0.025% w/w (France), 0.0005% w/w (Swiss); Wood treatment: EIP 0.01% w/w (Canada), EEE 0.01 % w/w (EU)	Paints (pigments or stabilizers)* 0.01% w/w; Surface coatings; Portable batteries 0.002% w/w; Zinc carbon 0.015% w/w; Non removable batteries: 0.025% w/w (France), 0.0005% w/w (Swiss)	plastics, textiles, wires, packaging, surface treatment for metals, batteries	31.01.11	31.01.11	

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
74.1	halogenated hydrocarbons, aliphatic	carbon tetrachloride; tetrachloromethane	D(FA)	56-23-5	200-262-8	23/24/25, 40, 48/23, 59, 52/53	H351, H331, H311, H301, H372, H412, EUH059	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008, Regulation (EC) No 1005/2009	France: AR 13101996 Germany: ChemVerbotsV	North America: US EPA ODS	In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	solvents	31.01.11	31.01.11
74	halogenated hydrocarbons, aliphatic	carbon tetrachloride; tetrachloromethane	P(AR)	56-23-5	200-262-8	23/24/25, 40, 48/23, 59, 52/53	H351, H331, H311, H301, H372, H412, EUH059	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008, Regulation (EC) No 1005/2009	France: AR 13101996; Germany: ChemVerbotsV	North America: US EPA ODS	In diffusive applications such as in surface cleaning and cleaning of fabrics.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	solvents	31.01.11	31.01.11
75	minerals, artificial fibers	ceramic fibers	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			insulating materials, composite materials	31.01.11	31.01.11
76.1	ketones	chlordecone	D(FA)	143-50-0	205-601-3	24/25, 40, 50/53	H351, H311, H301, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 1195/2006		Swiss: SR 814.81 Annex 1.2	In all applications except in those areas that are prohibited.			Insecticide, flame retardant	31.01.11	31.01.11
76	ketones	chlordecone	P(AR)	143-50-0	205-601-3	24/25, 40, 50/53	H351, H311, H301, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 1195/2006		Swiss: SR 814.81 Annex 1.1	Textiles or leather articles. All applications in Switzerland			Insecticide, flame retardant	31.01.11	31.01.11
77	organic acids, halogenated	chloroacetic acid	D(FA)	79-11-8	201-178-4	25, 34, 50	H331, H311, H301, H314, H400	Recommendation 2006/283/EC, Regulation (EC) No 1272/2008			All applications			several	31.01.11	31.01.11
78	halogenated hydrocarbons, aromatic	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol; Baktol	D(FA)	59-50-7	200-431-6	21/22, 41, 43, 50	H312, H302, H318, H317, H400	Regulation (EC) No 1272/2008			All applications			in oils, lubricants and tar oils (softeners)	31.01.11	31.01.11
79	hydrofluorocarbons (CFC)	chlorodifluoromethane; R 22; FREON 22	P(AR)	75-45-6	200-871-9	59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: US EPA class II ODS. The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1), Clean Air Act Title VI; Canada: CEPA SOR/99-7, CEPA Toxic; Swiss: SR 814.81 Annex 1.4	All applications			refrigerants, jointing materials, blowing agents	31.01.11	31.01.11
80	hydrofluorocarbons (CFC)	chlorofluorocarbons; CFC	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1005/2009		North America: Clean Air Act (CAA) Title VI; Canada: CEPA SOR/99-7, CEPA Toxic; Swiss: SR 814.81 Annex 1.4	All applications			cooling agents, solvents	31.01.11	31.01.11
81	hydrofluorocarbons (CFC)	chlorotrifluoromethane; R 13	P(AR)	75-72-9	200-894-4	59	tbc	Regulation (EC) No 1005/2009		North America: US EPA class I ODS, Clean Air Act Title VI, 42 USC 7671c-d; Canada: CEPA SOR/99-7, CEPA Toxic; Swiss: SR 814.81 Annex 1.4	All applications			refrigerants, jointing materials, cutting fluids	31.01.11	31.01.11
82	chromium(VI) compounds	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	D(FA)	7738-94-5 - - 13530-68-2	231-801-5 - 236-881-5	45, 46, 9, 24/25, 26, 35, 42/43, 48/23	tbc	Directive 2000/53/EC, Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			Used as oxidizing agent in the preparative chemistry. Used for passivation of zinc, aluminium, cadmium and brass in electroplating and electroforming	31.01.11	31.01.11

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83.1	chromium(VI) compounds	chromium(VI) compounds	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2000/53/EC, Decision 2005/673/EC, Regulation (EC) No 1907/2006, Annex XVII, Recommendation 2008/455/EC	Sweden: 1998:944	Norway: As a part of the European Economic Area Norway is obliged to comply with the Directive 94/62/EC; Regulations China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products (Draft from March 2004); North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life.; Canada: CEPA Toxic; Swiss: SR 814.81 Annex 2.16; China: China RoHS	In all applications except in those areas that are prohibited.		Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	EEE, EIP, Anti-corrosion surface treatment; pigment and anti-corrosion additive in paint, cement, plastic; alloying element; wood preservative; leather tanning agent	31.01.11	31.01.11
83	chromium(VI) compounds	chromium(VI) compounds	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2000/53/EC, Decision 2005/673/EC, Regulation (EC) No 1907/2006, Annex XVII, Recommendation 2008/455/EC	Sweden: 1998:944	Norway: As a part of the European Economic Area Norway is obliged to comply with the Directive 94/62/EC; Regulations China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products (Draft from March 2004); North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life.; Canada: CEPA Toxic; Swiss: SR 814.81 Annex 2.16; China: China RoHS	In diffusive applications such as in surface cleaning and cleaning of fabrics. In Cement		Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	EEE, EIP, Anti-corrosion surface treatment; pigment and anti-corrosion additive in paint, cement, plastic; alloying element; wood preservative; leather tanning agent	31.01.11	31.01.11
84	chromium(VI) compounds	chromium(VI) oxide; chromium (VI) trioxide	D(FA)	1333-82-0	215-607-8	9, 45, 46, 62, 26, 24/25-48/23, 35, 42/43, 50/53	H271, H350, H340, H361f, H330, H311, H301, H372, H314, H334, H317, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008	Sweden: 1998:944		All applications		Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	used as oxidizing agent in the organic chemistry, in electroplating and electroforming technology for the passivation of zinc, aluminium, cadmium and brass (CrO3 solution).	31.01.11	31.01.11
85	CMR-Substances	CMR category 1 and 2	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII			All applications			For typical use refer to the individual substances	31.01.11	31.01.11
86	non ferrous metals and their compounds	cobalt dichloride	D(FA)	7646-79-9	231-589-4	49, 60, 22, 42/43, 50/53, 68	H350i, H341, H360F, H302, H334, H317, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			used as absorbent for ammonia and war gas, part of moisture indicators (e.g. blue gel), electroplating solutions, used for the production of vitamin B12, cobalt compounds, for indicating the percentage of moisture in the air ("Wetterblumen" - Co(II)-chloride-impregnated paper), secret ink, in glass painting and porcelain painting, photography	31.01.11	31.01.11
87	non ferrous metals and their compounds	Cobalt(II) carbonate	D(FA)	513-79-1	208-169-4	49, 60, 42/43, 68, 50/53	H350i, H341, H360F, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as catalyst, pigment. Substance is part of ceramics	31.01.11	31.01.11
88	non ferrous metals and their compounds	Cobalt(II) diacetate	D(FA)	71-48-7	200-755-8	49, 60, 42/43, 68, 50/53	H350i, H341, H360F, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as bleaching and drying agent for laquers and boiled oils, catalyst for the production of adipic acid	31.01.11	31.01.11

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89	non ferrous metals and their compounds	Cobalt(II) dinitrate	D(FA)	10141-05-6	233-402-1	49, 60, 42/43, 68, 50/53	H350i, H341, H360F, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			The substance is used for the production of Cobalt at high-purity grade for electronic application, coloured pigments and ceramic products	31.01.11	31.01.11
90	non ferrous metals and their compounds	Cobalt(II) sulphate	D(FA)	10124-43-3	233-334-2	49, 60, 22, 42/43, 68, 50/53	H350i, H341, H360F, H302, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			The substance is part of pigments and glazings. Used for china paint, photography	31.01.11	31.01.11
91	non ferrous metals and their compounds	copper and its compounds	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1272/2008			Brake pads		The substance is listed due to applicable laws. Therefore just the general information of those is considered. Copper is prohibited in Brake Pads	brakes	31.01.11	31.01.11
92.1	hydrocarbons, aromatic	creosote; tar oils	D(FA)	8001-58-9	232-287-5	45	H350	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 070897 modified by AR 020603; Germany: ChemVerbotsV	Swiss: SR 814.81 Annex 2.4	In all applications except in those areas that are prohibited.		Shall not be used as substances or in preparations in the treatment of wood. Furthermore, wood so treated shall not be placed on the market.	wood treatment	31.01.11	31.01.11
92	hydrocarbons, aromatic	creosote; tar oils	P(AR)	8001-58-9	232-287-5	45	H350	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 070897 modified by AR 020603; Germany: ChemVerbotsV	Swiss: SR 814.81 Annex 2.4	In substances or in preparations in the treatment of wood. Wood treatment in S1 or S2 zones (Swiss)		Shall not be used as substances or in preparations in the treatment of wood. Furthermore, wood so treated shall not be placed on the market.	wood treatment	31.01.11	31.01.11
93	halogenated hydrocarbons, aromatic	decabromodiphenyl ether; Deca-BDE; DEHP	D(FA)	1163-19-5	214-604-9	53	tbc	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Directive 2003/11/EC, Regulation (EC) No 1907/2006	Germany: ChemVerbotsV	Swiss: SR 814.81 Annex 1.9	All applications			flame retardant in plastic, textile, and foam	31.01.11	31.01.11
94	arsenic compounds	diarsenic pentaoxide; arsenic pentoxide; arsenic oxide	D(FA)	1303-28-2	215-116-9	45, 23/25, 50/53	H350, H331, H301, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			anti-fouling agent, wood preservation, water treatment	31.01.11	31.01.11
95	arsenic compounds	diarsenic trioxide; arsenic trioxide	D(FA)	1327-53-3	215-481-4	45, 28, 34, 50/53	H350, H300, H314, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			all other arsenic compounds and elemental arsenic, catalysts, special glass types, nickel plating bath solutions	31.01.11	31.01.11
96	hydrocarbons, aromatic	dibenzoyl peroxide; benzoyl peroxide	D(FA)	94-36-0	202-327-6	3, 7, 36, 43	H241, H319, H317	Regulation (EC) No 1272/2008			All applications			hardeners, jointing materials, car care products	31.01.11	31.01.11
97.1	esters of phthalic acid	dibutyl phthalate; DBP	D(FA)	84-74-2	201-557-4	61, 62, 50	H360Df, H400	Regulation (EC) No 790/2009, Regulation (EC) No 1907/2006, Annex XIV	Fance: Arrêté du 30 April 2010	Canada: CEPA Toxic	In all applications except in those areas that are prohibited.			plasticizers and hardeners	31.01.11	31.01.11
97	esters of phthalic acid	dibutyl phthalate; DBP	P(AR)	84-74-2	201-557-4	61, 62, 50	H360Df, H400	Regulation (EC) No 790/2009, Regulation (EC) No 1907/2006, Annex XIV	Fance: Arrêté du 30 April 2009	Canada: CEPA Toxic	Interior materials emitting more than 1µg per m³ (France)			plasticizers and hardeners	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
98	hydrofluorocarbons (CFC)	dichlorodifluoromethane; Halon; R 12	P(AR)	75-71-8	200-893-9	59	tbc	Regulation (EC) No 1005/2009		North America: US EPA class I ODS, Clean Air Act (CAA) Title VI, 42 USC 7671c-d; Canada: CEPA SOR/99-7, CEPA Toxic; Swiss: SR 814.81 Annex 1.4	All applications			refrigerants, jointing materials, cutting fluids	31.01.11	31.01.11
99	halogenated hydrocarbons, aliphatic	dichloromethane; methylene chloride	P(AR)	75-09-2	200-838-9	40	H351	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008, Regulation (EC) No 1005/2009, Decision No 455/2009/EC	Sweden: 1998:944, KIFS 2008:2		All applications			solvent	31.01.11	31.01.11
100	halogenated hydrocarbons, aromatic	dieldrine	P(AR)	60-57-1	200-484-5	25, 27, 40, 48/25, 50/53	H351, H310, H301, H372, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 756/2010	France: Code de l'environnement R521-11	Swiss: SR 814.81 Annex 1.1	All applications			Wood treatment	31.01.11	31.01.11
101	esters of phthalic acid	diisobutyl phthalate	D(FA)	84-69-5	201-553-2	61, 62	H360Df	Recommendation 2006/283/EC, Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as plasticiser for nitrocellulose, cellulose ether, polyacrylate and polyacetate dispersions, as a gelling aid in combination with other plasticisers, which are widely used for plastics, lacquers, adhesives, explosive material and nail polish.	31.01.11	31.01.11
102	esters of phthalic acid	diisobutylphthalate; DIBP	D(FA)	84-69-5	201-553-2	61, 62	H360Df	Regulation (EC) No 1907/2006, Annex XIV, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			plasticizers and hardeners	31.01.11	31.01.11
103	esters of phthalic acid	diisodecylphthalate; DIDP	D(FA)	26761-40-0	247-977-1	According to EC criteria does not require labelling.	tbc	Regulation (EC) No 1907/2006, Annex XVII, Recommendation 2006/283/EC			All applications			plasticizers and hardeners	31.01.11	31.01.11
104	esters of phthalic acid	diisononylphthalate; DINP	D(FA)	28553-12-0; 68515-48-0	249-079-5; 271-090-9	According to EC criteria does not require labelling.	tbc	Regulation (EC) No 1907/2006, Annex XVII, Recommendation 2006/283/EC			All applications			plasticizers and hardeners	31.01.11	31.01.11
105.1	esters of phthalic acid	di-iso-octyl phthalate; bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	D(FA)	117-81-7	204-211-0	61, 62	H360FD	Regulation (EC) No 1907/2006, Annex XIV, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 790/2009	France: Arrêté du 30 April 2010		In all applications except in those areas that are prohibited.			plasticizers and hardeners	31.01.11	31.01.11
105	esters of phthalic acid	di-iso-octyl phthalate; bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	P(AR)	117-81-7	204-211-0	61, 62	H360FD	Regulation (EC) No 1907/2006, Annex XIV, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 790/2009	France: Arrêté du 30 April 2009		Interior materials emitting more than 1µg per m³ (France). Candidate List of Substances of very high Concern			plasticizers and hardeners	31.01.11	31.01.11
106	nitrosamines	dimethylnitrosamine; n-nitrosodimethylamine	D(FA)	62-75-9	200-549-8	45, 25, 26, 48/25, 51/53	H350, H330, H301, H372, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		North America: Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140)	All applications			cooling lubricants, corrosion prevention	31.01.11	31.01.11
107	esters of phthalic acid	dimethylphthalate	D(FA)	131-11-3	205-011-6	According to EC criteria does not require labelling.	tbc				All applications			plasticizers and hardeners	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
108.	organo tin compounds	di-m-oxo-di-n-butystanniohydroxyborane; dibutyltin hydrogen borate; DBB	D(FA)	75113-37-0	401-040-5	48/25, 21/22, 41, 50/53, 43	H360FD, H341, H372**, H312, H302, H318, H317, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008, Regulation (EC) No 536/2008		Swiss: Regulation 814.81 Annex 1.15	In all applications except in those areas that are prohibited. (EC) No 536/2008: prohibition of organotin compounds on ships	0,10%	Shall be prohibited in a concentration equal to or greater than 0,1 % in substances and constituents of preparations placed on the market. However, this provision shall not apply to this substance (DBB) or preparations containing it if these are intended solely for conversion into finished articles, among which this substance will no longer feature in a concentration equal to or greater than 0,1 %.	wood preservative	31.01.11	31.01.11
108	organo tin compounds	di-m-oxo-di-n-butystanniohydroxyborane; dibutyltin hydrogen borate; DBB	P(AR)	75113-37-0	401-040-5	48/25, 21/22, 41, 50/53, 43	H360FD, H341, H372, H312, H302, H318, H317, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008, Regulation (EC) No 536/2008		Swiss: Regulation 814.81 Annex 1.14	In substances and mixtures. (EC) No 536/2008: prohibition of organotin compounds on ships	0,10%	Shall be prohibited in a concentration equal to or greater than 0,1 % in substances and constituents of preparations placed on the market. However, this provision shall not apply to this substance (DBB) or preparations containing it if these are intended solely for conversion into finished articles, among which this substance will no longer feature in a concentration equal to or greater than 0,1 %.	wood preservative	31.01.11	31.01.11
109	esters of phthalic acid	di-n-oktylphthalate; DNOP	D(FA)	117-84-0	204-214-7	According to EC criteria does not require labelling.	tbc	Regulation (EC) No 1907/2006, Annex XVII			All applications			plasticizers and hardeners	31.01.11	31.01.11
110	amines, aromatic	diphenylamine; benzenamine; N-phenyl	D(FA)	122-39-4	204-539-4	23/24/25, 50, 33	H331, H311, H301, H373, H400, H410	Regulation (EC) No 1272/2008			All applications			lubricants	31.01.11	31.01.11
111	halogenated hydrocarbons, aromatic	diphenylether; octabromo derivative; octabromodiphenylether; OctaBDE	P(AR)	32536-52-0	251-087-9	61, 62	H360Df	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	Germany: ChemVerbotsV	North America : California: Assembly Bill 302, signed in August 2003 by the governor and published in § 108920-23 of the California Health&Safety Code; Hawaii: Act 146 (Gov. Msg. No. 335, formerly referred to as House Bill 2013); Illinois: Public Act 094-010002 (H.B. 2572) The Brominated Fire Retardant Prevention Act; Maine: L.D. 1790, 38 MRSA § 1609, changed by Maine Public Law Chapter 296, H.P. 1167-L.D. 1658; Maryland: Chapter 522 (H.B. 83) An Act Concerning Brominated Flame Retardants - Pentabrominated and Octabrominated Diphenylether - Prohibition; Michigan: HB4406, SB1458; New York:NYS Environmental Conservation Law § 37-0111; Washington: Engrossed House Bill 1024 in the 2007 Regular Session: An Act Relating to Phasing Out the Use of Polybrominated Diphenyl Ethers	As substance or in mixtures. All articles.	0,10%	Shall not be placed on the market or used as a substance or as a constituent of preparations in concentrations higher than 0,1 % by mass. Articles may not be placed on the market if they, or flame-retarded parts thereof, contain this substance in concentrations higher than 0,1 % by mass.	flame retardant in plastic, textile	31.01.11	31.01.11
112	isocyanates	diphenylmethane diisocyanate, isomers and homologues	D(FA)	9016-87-9	none	20, 36/37/38, 40, 42/43, 48/20	tbc	Regulation (EC) No 1907/2006			All applications			intermediates, raw material, hardeners, insulating materials (heat-cold)	31.01.11	31.01.11
113	isocyanates	diphenylmethane-2,4 diisocyanate	D(FA)	5873-54-1	227-534-9	20, 36/37/38, 40, 42/43	H351, H332, H373, H319, H335, H315, H334, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, hardeners	31.01.11	31.01.11
114	isocyanates	diphenylmethane-4,4 diisocyanate	D(FA)	101-68-8	202-966-0	20, 36/37/38, 42/43, 48/20, 40	H351, H332, H373, H319, H335, H315, H334, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, binders, jointing materials	31.01.11	31.01.11
115	boron and its compounds	disodium tetraborate; anhydrous; Borax	D(FA)	1303-96-4; 1330-43-4; 12179-04-3	215-540-4	60, 61	H360FD	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as fluxing agent for hard-soldering, wood preservative against fungal decay and insect attack, part of soaps and powders against oily skin, bleaching cremes and several skin care products, used for the production of glass, fibre glass insulations, fibre glass mats, enamel, boric acid, sodium perborate, for glazings, stiffening of fabric, flameproof impregnation of wood and textiles.	31.01.11	31.01.11
116	hydrocarbons	distillates (petroleum), chemically neutralized light naphthenic	D(FA)	64742-35-4	265-136-7	45	H350	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			paints, varnishes	31.01.11	31.01.11
117	hydrocarbons	distillates (petroleum), heavy naphthenic	D(FA)	64741-53-3	265-054-1	45	H350	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			fuels, fuel oils, binders, asphalt, bitumen, tar	31.01.11	31.01.11
118	hydrocarbons	distillates (petroleum), hydrodesulphurized light catalytic cracked	D(FA)	68333-25-5	269-781-5	45	H350	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			fuels, fuel oils	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
119	hydrocarbons	distillates (petroleum), light catalytic cracked	D(FA)	64741-59-9	265-060-4	45	H350	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			fuels, fuel oils	31.01.11	31.01.11
120	hydrocarbons	distillates (petroleum), light naphthenic	D(FA)	64741-52-2	265-053-6	45	H350	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			cutting fluids, lubricants, intermediates, raw material	31.01.11	31.01.11
121	hydrocarbons	distillates (petroleum), light vacuum	D(FA)	70592-77-7	274-684-6	45	H350	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			fuels, fuel oils	31.01.11	31.01.11
122	epoxides	endrine	P(AR)	72-20-8	200-775-7	24, 28, 50/53	H300, H311, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 756/2010	France: Code de l'environnement R521-11	Swiss: SR 814.81 Annex 1.1	All applications			Wood treatment	31.01.11	31.01.11
123	acrylates and acetates	ethyl acrylate	D(FA)	140-88-5	205-438-8	11, 20/21/22, 36/37/38, 43	H225, H332, H312, H302, H319, H335, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, binders (paints, adhesives etc.), binders (other products)	31.01.11	31.01.11
124	acrylates and acetates	ethylene dimethacrylate; ethylene glycol dimethacrylate	D(FA)	97-90-5	202-617-2	37, 43	H335, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, floor covering materials	31.01.11	31.01.11
125	halogenated hydrocarbons	fluorinated organic compounds	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 842/2006		Swiss: SR 814.81 Annex 1.5	All applications		Fluorinated organic compounds are those where the vapour pressure is at least 0.1 mbar at 20°C or the boiling point of which does not exceed 240°C at 1013.25 mbar, and have a mean lifetime in air of at least 2 years. The Swiss FOEN publish a list of the commonest compounds.	Solvents, foams, refrigerants, fire extinguishant	31.01.11	31.01.11
126	aldehyde	formaldehyde	D(FA)	50-00-0	200-001-8	23/24/25, 34, 40, 43	H351, H331, H311, H301, H314, H317	Regulation (EC) No 1849/2006, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008	Sweden: Swedish provisions on formaldehyde in wood-based boards are contained in Chapter 9, Sections 20-27 in the Swedish Chemicals Agency's Chemical Products and Biotechnical Organisms Regulations (KIFS 2008:2); Germany: ChemVerbotsV	Canada: CEPA Toxic	All applications			In adhesive, paint, lacquer and textile. In urea and melamine resins.	31.01.11	31.01.11
127	artificial fibers	glass wool	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances				All applications			insulating materials, composite materials	31.01.11	31.01.11
128	halogenated hydrocarbons, aromatic	halogenated benzenes	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 2.14	In all applications except in those areas that are prohibited.			Condensers, transformers	31.01.11	31.01.11
128	halogenated hydrocarbons, aromatic	halogenated benzenes	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 2.14	Condensers, transformers			Condensers, transformers	31.01.11	31.01.11
129	halogenated hydrocarbons, aromatic	halogenated benzyltoluenes; Monomethyl-dibromodiphenylmethane, Ugilec 141; Ugilec 121; Ugilec 21	P(AR)	several; 99688-47-8; 76253-60-6; 81161-70-8	several; 402-210-1; 278-404-3	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: DC 94-647		All applications		The placing on the market and use of this substance and of preparations and articles containing it shall be prohibited.	PCB-substitute, dielectric fluid in condensers and transformers	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
130	halogenated hydrocarbons, aromatic	halogenated biphenyls, terphenyls, naphthalenes and diarylalkanes	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 850/2004, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 1.1 and Annex 2.14	All applications			Heat transfer agent, Solvent, Fungicide, Dyeing agent	31.01.11	31.01.11
131	halogenated hydrocarbons, aromatic	hexabromocyclododecane and all major diastereoisomers; HBCDD	D(FA)	25637-99-4; 3194-55-6	247-148-4; 221-695-9	tbc	tbc	Regulation (EC) No 1907/2006, Annex XIV, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC)			All applications			flame retardant e.g. in polystyrene (used for insulation)	31.01.11	31.01.11
132	halogenated hydrocarbons, aromatic	hexachlorobenzene; HCB	P(AR)	118-74-1	204-273-9	45, 48/25, 50/53	H350, H372, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 1.1	All applications			Fungicide, fireworks, rubber additive, wood treatment	31.01.11	31.01.11
133	halogenated hydrocarbons, aliphatic	hexachlorobutadiene; HCBD	P(AR)	87-68-3	201-765-5	40, 23/24/25	tbc	Regulation (EC) No 1907/2006		North America: Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140)	All applications			intermediate, rubber (BUNA), hydraulic fluid	31.01.11	31.01.11
134	halogenated hydrocarbons, cyclic	hexachlorocyclohexane; Lindan	P(AR)	58-89-9	200-401-2	20/21, 25, 48/22, 64, 50/53	H301, H332, H312, H373, H362, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 1272/2008	France: Code de l'environnement R521-11	Swiss: SR 814.81 Annex 1.1	All applications			insecticide, treatment of wood	31.01.11	31.01.11
135.1	halogenated hydrocarbons, aliphatic	hexachloroethane; perchloroethane	D(FA)	67-72-1	200-666-4	40	tbc	Regulation (EC) No 1907/2006, Annex XVII	France: AR 21032003		In all applications except in those areas that are prohibited.		Shall not be used in the manufacturing or processing of non-ferrous metals.	vulcanisation accelerator, degasification agent. The substance is part of moth repellents, nebulisation agents, explosives	31.01.11	31.01.11
135	halogenated hydrocarbons, aliphatic	hexachloroethane; perchloroethane	P(AR)	67-72-1	200-666-4	40	tbc	Regulation (EC) No 1907/2006, Annex XVII	France: AR 21032003		Shall not be used in the manufacturing or processing of non-ferrous metals.		Shall not be used in the manufacturing or processing of non-ferrous metals.	vulcanisation accelerator, degasification agent. The substance is part of moth repellents, nebulisation agents, explosives	31.01.11	31.01.11
136	halogenated hydrocarbons, aliphatic	hydrobromofluorocarbons; HBrCF	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 2037/2000, Regulation (EC) No 1005/2009		North America: US EPA Class I ODS Clean Air Act Title VI; Canada: CEPA Toxic; Swiss: SR 814.81 Annex 1.4	All applications			cooling agents, solvents, foams, degreasing agents, fire extinguishing agents	31.01.11	31.01.11
137	halogenated hydrocarbons, aliphatic	hydrochlorofluorocarbons; HCFC	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 2037/2000, Regulation (EC) No 1005/2009		North America: US EPA Class II ODS; Swiss: SR 814.81 Annex 1.4	All applications			cooling agents, solvents, foams, Aerosols	31.01.11	31.01.11
138	acid, inorganic	hydrofluoric acid; HF	D(FA)	7664-39-3	231-634-8	26/27/28, 35	tbc				All applications			Used for the production of fluorides, fluorocarbons, fluoroplastics, cleaning and etching agents for polishing crystal glass or single crystal silicon plates for microelectronics, Used for etching/frosting of glass	31.01.11	31.01.11
139.1	halogenated hydrocarbons, aliphatic	hydrofluorocarbons; HFC	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 842/2006, Regulation (EC) No 1005/2009		China: Circular on Management of Production Quota Permits for CFCs in Products	In all applications except in those areas that are prohibited.			solvents	31.01.11	31.01.11
139	halogenated hydrocarbons, aliphatic	hydrofluorocarbons; HFC	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 842/2006, Regulation (EC) No 1005/2009		China: Circular on Management of Production Quota Permits for CFCs in Products	All dielectric applications (gaseous insulator for electrical equipment) except for hermetically sealed systems		Banned in non hermetically sealed system	dielectric (gaseous insulator for electrical equipment)	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
140.1	lead compounds	lead and its compounds, except lead hydroxycarbonate, lead sulfates, lead carbonate	D(FA)	several, Pb: 7439-92-1	several, Pb: 231-100-4	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Directive 2000/53/EC, Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Directive 2008/12/EC, Regulation (EC) No 1272/2008	Sweden: 1998:944; France: DC 2005-829; Germany: BattV, ElektroG; France: Code de l'environnement R543-125, Arrêté du 1 juillet 2004	Norway: As a part of the European Economic Area Norway is obliged to comply with the Directive 94/62/EC; Swiss: Ordinance Relating to Environmentally Hazardous Substances (Ordinance on Substances, OSubst) Annex 4.10; China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products(Draft from March 2004); Swiss: SR 814.81 Annex 2.8, SR 814.81 Annex 2.15, SR 814.81 Annex 2.16, SR 814.81 Annex 2.17; Canada: CEPA Toxic	In all applications except in those areas that are prohibited.			in paints, plastic pigment and electric equipment, plastizer in PVC, in monitors and CRT screens; Batteries	31.01.11	31.01.11
140	lead compounds	lead and its compounds, except lead hydroxycarbonate, lead sulfates, lead carbonate	P(AR)	several, Pb: 7439-92-1	several, Pb: 231-100-4	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Directive 2000/53/EC, Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Directive 2008/12/EC, Regulation (EC) No 1272/2008	Sweden: 1998:944; France: DC 2005-829; Germany: BattV, ElektroG; France: Code de l'environnement R543-125, Arrêté du 1 juillet 2004	Norway: As a part of the European Economic Area Norway is obliged to comply with the Directive 94/62/EC; Swiss: Ordinance Relating to Environmentally Hazardous Substances (Ordinance on Substances, OSubst) Annex 4.10; China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products(Draft from March 2004); Swiss: SR 814.81 Annex 2.8, SR 814.81 Annex 2.15, SR 814.81 Annex 2.16, SR 814.81 Annex 2.17; Canada: CEPA Toxic	Packaging; Paints (Lead carbonate and sulphates); Non removable batteries 0.4% w/w (France), 0.1 % w/w (Swiss); Wood treatment (Swiss)			in paints, plastic pigment and electric equipment, plastizer in PVC, in monitors and CRT screens; Batteries	31.01.11	31.01.11
141	lead compounds	lead chromate	D(FA)	7758-97-6	231-846-0	45, 61, 62, 33, 50/53	H350, H360Df, H373, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used for manufacturing pigments and dyes, as a pigment or coating agent in industrial and maritime paint products or varnishes. Further potential uses may be associated with the formulation of detergents and bleaches, photosensitive materials, the manufacture of pyrotechnic powder or the embalming/restoring of art products.	31.01.11	31.01.11
142	lead compounds	lead chromate molybdate sulphate red; C.I. Pigment Red 104	D(FA)	12656-85-8	235-759-9	45, 61, 62, 33, 50/53	H350, H360Df, H373**, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Lead chromate molybdate sulphate red (C.I. Pigment Red 104) is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment, vehicles and aircraft as well as road and airstrip painting.	31.01.11	31.01.11
143	lead compounds	lead hydrogen arsenate	D(FA)	7784-40-9	232-064-2	45, 61, 23/25, 33, 50/53, 62	H350, H360Df, H331, H301, H373, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			insecticide	31.01.11	31.01.11
144.1	lead compounds	lead hydroxycarbonate; lead sulfates; lead carbonate	D(FA)	1319-46-6; 7446-14-2; 598-63-0	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII	France: AR 01021993	Swiss: Ordinance Relating to Environmentally Hazardous Substances Annex 4.10, ChemRRV (Ordinance on the reduction of chemicals-related risks) Annex 2.15; China: Proposal on Restriction of Hazardous Materials In PVC Artificial Leather; North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life.	In all applications except in those areas that are prohibited.		Shall not be used as substances and a constituent of preparations intended for use as paints, except for the restoration and maintenance of works of art and historic buildings and their interiors.	paints	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
144	lead compounds	lead hydroxycarbonate; lead sulfates; lead carbonate	P(AR)	1319-46-6; 7446-14-2; 598-63-0	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII	France: AR 01021993	Swiss: Ordinance Relating to Environmentally Hazardous Substances Annex 4.10, ChemRRV (Ordinance on the reduction of chemicals-related risks) Annex 2.15; China: Proposal on Restriction of Hazardous Materials In PVC Artificial Leather; North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life.	In Paints		Shall not be used as substances and a constituent of preparations intended for use as paints, except for the restoration and maintenance of works of art and historic buildings and their interiors.	paints	31.01.11	31.01.11
145	lead compounds	lead sulfochromate yellow; C.I. Pigment Yellow 34	D(FA)	1344-37-2	215-693-7	45, 61, 62, 33, 50/53	H350, H360Df, H373, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Lead sulfochromate yellow (C.I. Pigment Yellow 34) is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment, vehicles and aircraft as well as road and airstrip painting. The substance is further used for camouflage or ammunition marking in the defence area.	31.01.11	31.01.11
146	artificial fibers	man-made vitreous (silicate) fibers with random orientation with oxide of sodium, potassium, calcium, magnesium and barium content >18 % by mass RCF	D(FA)	142844-006	none	38, 49	tbc	Regulation (EC) No 1907/2006	Germany: ChemVerbotsV		All applications			ceramic fibers for insulation	31.01.11	31.01.11
147	halogenated hydrocarbons, aliphatic	medium chained chlorinated paraffins; MCCP	D(FA)	several; 85535-85-9	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008		Canada: CEPA PSL 1	All applications			Flame retardant / plasticizer in rubber, sealants, and adhesives; plasticizer in plastics and paints; metal working fluid	31.01.11	31.01.11
148	non ferrous metals and their compounds	mercury and its compounds	D(FA)	several, Hg: 7439-97-6	several, Hg: 231-106-7	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Directive 2000/53/EC, Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	Sweden: 1998:944, KIFS 2008:2, France: DC 2005-829, DC 92-1074, DC 99-1171,; Germany: BattG, ElektroG	Swiss: SR 814.81 Annex 1.7, SR 814.81 Annex 2.15, SR 814.81 Annex 2.16, SR 814.81 Annex 2.17, Ordinance Relating to Environmentally Hazardous Substances (Ordinance on Substances, OSubst) Annex 4.10, ChemRRV (Ordinance on the reduction of chemicals-related risks) Annex 2.15; China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products, Regulation on Mercury Content Limitation for Batteries Inspections and Management Methods for the Import and Export of Battery Products Containing Mercury; North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life; USA: Mercury-Containing Battery Management Act Pub. L. 104-142, 110 Stat. 1336 Codified at 42 U.S.C. § 14301, et seq.; Connecticut: Mercury Reduction Act (Pub. Law 02-90); Massachusetts: Proposed Legislation H.B. 4717 - An Act Relating to Mercury Reduction and Education; New Hampshire: An Act Relating to Mercury-Containing Products	In all applications except in those areas that are prohibited.		Shall not be used as substances and constituents of preparations intended for use: (a) to prevent the fouling by micro-organisms, plants or animals of the hulls of boats, cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, any totally or partly submerged appliances or equipment; (b) in the preservation of wood; (c) in the impregnation of heavy-duty industrial textiles and yarn intended for their manufacture; (d) in the treatment of industrial waters, irrespective of their use. Wood preservation, Packaging, Textile impregnation, Water treatment, Anti-fouling, Batteries and accumulators 0.0005% w/w (Button cells batteries 2% w/w), Alkaline-manganese 0.0005% w/w, Non removable batteries 0.0005% w/w (Swiss). The placing on the market of batteries and accumulators, containing more than 0,0005 % of mercury by weight, including in those cases where these batteries and accumulators are incorporated into appliances shall be prohibited. All applications including button cells and batteries composed of button cells with a mercury content	In electric equipment (impregnation of industrial textiles and wires) and batteries and in fluorescent lamps. Wood preservation, railway sleepers, textiles, purification treatment, paint additive Batteries, EEE	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
148	non ferrous metals and their compounds	mercury and its compounds	P(AR)	several, Hg: 7439-97-6	several, Hg: 231-106-7	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Directive 2000/53/EC, Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	Sweden: 1998:944, KIFS 2008:2, France: DC 2005-829, DC 92-1074, DC 99-1171; Germany: BattG, ElektroG	Swiss: SR 814.81 Annex 1.7, SR 814.81 Annex 2.15, SR 814.81 Annex 2.16, SR 814.81 Annex 2.17, Ordinance Relating to Environmentally Hazardous Substances (Ordinance on Substances, OSubst) Annex 4.10, ChemRRV (Ordinance on the reduction of chemicals-related risks) Annex 2.15; China: Management Methods on the Prevention and Control of Pollution Caused by Electronic Information Products, Regulation on Mercury Content Limitation for Batteries Inspections and Management Methods for the Import and Export of Battery Products Containing Mercury; North America: The Ministry for Environment is authorised to enact regulations on 68 substances that are specified by the Toxic Substances List according to CEPA Section 90(1). These regulations may affect all aspects of product life; USA: Mercury-Containing Battery Management Act Pub. L. 104-142, 110 Stat. 1336 Codified at 42 U.S.C. § 14301, et seq.; Connecticut: Mercury Reduction Act (Pub. Law 02-90); Massachusetts: Proposed Legislation H.B. 4717 - An Act Relating to Mercury Reduction and Education; New Hampshire: An Act Relating to Mercury-Containing Products	Wood preservation, Packaging, Textile impregnation, Water treatment, Anti-fouling, Batteries and accumulators 0.0005% w/w (Button cells batteries 2% w/w), Alkaline-manganese 0.0005% w/w, Non removable batteries 0.0005% w/w (Swiss)		Shall not be used as substances and constituents of preparations intended for use: (a) to prevent the fouling by micro-organisms, plants or animals of the hulls of boats, cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, any totally or partly submerged appliances or equipment; (b) in the preservation of wood; (c) in the impregnation of heavy-duty industrial textiles and yarn intended for their manufacture; (d) in the treatment of industrial waters, irrespective of their use. Wood preservation, Packaging, Textile impregnation, Water treatment, Anti-fouling, Batteries and accumulators 0.0005% w/w (Button cells batteries 2% w/w), Alkaline-manganese 0.0005% w/w, Non removable batteries 0.0005% w/w (Swiss). The placing on the market of batteries and accumulators, containing more than 0,0005 % of mercury by weight, including in those cases where these batteries and accumulators are incorporated into appliances shall be prohibited. All applications including button cells and batteries composed of button cells with a mercury content	In electric equipment (impregnation of industrial textiles and wires) and batteries and in fluorescent lamps. Wood preservation, railway sleepers, textiles, purification treatment. paint additive Batteries, EEE	31.01.11	31.01.11
149	acrylates and acetates	methyl acetate	D(FA)	79-20-9	201-185-2	11, 36, 66, 67	H225, H319, H336	Recommendation 2006/283/EC, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			plastics	31.01.11	31.01.11
150	acrylates and acetates	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; Diakon	D(FA)	80-62-6	201-297-1	11, 37/38, 43	H225, H335, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, floor covering materials, binders (paints, adhesives etc.)	31.01.11	31.01.11
151	amines, aromatic	methylene dianiline; phenyl beta naphthylamine; 4-chloro-o-toluidine	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: DC 2004-1227	Swiss: SR 814.81 Annex 1.13	As Azodyes in all articles	30 ppm	Azodyes which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines listed in Appendix 8, in detectable concentrations, i.e. above 30 ppm in the finished articles or in the dyed parts thereof, according to the testing methods listed in Appendix 10, shall not be used in textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity, such as: clothing, bedding, towels, hairpieces, wigs, hats, nappies and other sanitary items, sleeping bags, footwear, gloves, wristwatch straps, handbags, purses/wallets, briefcases, chair covers, purses worn round the neck, textile or leather toys and toys which include textile or leather garments, yarn and fabrics intended for use by the final consumer.	hardener in paints, leather, textiles	31.01.11	31.01.11
152	artificial fibers	mineral wool	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1272/2008			All applications			insulating materials, composite materials	31.01.11	31.01.11
153	halogenated hydrocarbons, cyclic	Mirex; dodecachloropentacyclo[5.2.1.0.2,6.0.3,9.0.5,8]decane	P(AR)	2385-85-5	219-196-6	21/22, 40, 50/53, 62, 63, 64	H351, H361fd, H362, H312, H302, H400, H410	Regulation (EC) No 850/2004		Swiss: SR 814.81 Annex 1.1	All applications			Insecticide, Flame retardant in plastics, rubber, paper, electronics	31.01.11	31.01.11
154	halogenated hydrocarbons, aliphatic	monochloropentafluoroethane; R 115	P(AR)	76-15-3	200-938-2	59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009		North America: EPA ODP	All applications			lubricants, cleaning agents; coolants, propellants	31.01.11	31.01.11
155	hydrocarbons, aromatic	musk xylene; 5-tert-butyl-2,4,6-trinitro-m-xylene	D(FA)	81-15-2	201-329-4	2, 40, 50/53	H201, H351, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high concern for authorisation (SVHC), Annex XIV, Regulation (EC) No 1272/2008			All applications			fragrance enhancer in detergents, fabric softeners and conditioners	31.01.11	31.01.11
156	amines, aliphatic	N,N-dimethylformamide; dimethyl formamide; DMF	D(FA)	68-12-2	200-679-5	61, 20/21, 36	H360D, H332, H312, H319	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008			All applications			The substance is part of special plastic coatings (e.g. for heat-resistant and corrosion-resistant coatings such as wire-laquers), mordants, plant protecting agents	31.01.11	31.01.11

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157	acrylates and acetates	n-butyl acrylate	D(FA)	141-32-2	205-480-7	10, 36/37/38, 43	H226, H319, H335, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008					All applications		cationic curing, paints, varnishes, binders (other products), binders (paints, adhesives etc.)	31.01.11	31.01.11	
158	acrylates and acetates	n-butyl methacrylate	D(FA)	97-88-1	202-615-1	10, 36/37/38, 43	H226, H319, H335, H315, H317	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008					All applications		intermediates, raw material, dyestuffs, pigments, binders (paints, adhesives etc.)	31.01.11	31.01.11	
159.1	non ferrous metals and their compounds	nickel and its compounds	D(FA)	several, Ni: 7440-02-0	several, Ni: 231-111-4	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 18072000	Canada: CEPA Toxic			In all applications except in those areas that are prohibited.		Shall not be used (a) in all post assemblies which are inserted into pierced ears and other pierced parts of the human body unless the rate of nickel release from such post assemblies is less than 0,2 µg/cm ² /week (migration limit); (b) in articles intended to come into direct and prolonged contact with the skin such as earrings, necklaces, bracelets and chains, anklets, finger rings, wrist-watch cases, watch straps and tighteners, rivet buttons, tighteners, rivets, zippers and metal marks, when these are used in garments, if the rate of nickel release from the parts of these articles coming into direct and prolonged contact with the skin is greater than 0,5 µg/cm ² /week; (c) in articles such as those listed in point (b) where these have a non-nickel coating unless such coating is sufficient to ensure that the rate of nickel release from those parts of such articles coming into direct and prolonged contact with the skin will not exceed 0,5 µg/cm ² /week for a period of at least two years of normal use of the article.	electronic equipment, surface treatment	31.01.11	31.01.11
159	non ferrous metals and their compounds	nickel and its compounds	P(AR)	several, Ni: 7440-02-0	several, Ni: 231-111-4	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Directive 2006/66/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 18072000	Canada: CEPA Toxic			In all alloys except in steel alloys (only when in skin contact). May be used in batteries if they are recyclable.		Shall not be used (a) in all post assemblies which are inserted into pierced ears and other pierced parts of the human body unless the rate of nickel release from such post assemblies is less than 0,2 µg/cm ² /week (migration limit); (b) in articles intended to come into direct and prolonged contact with the skin such as earrings, necklaces, bracelets and chains, anklets, finger rings, wrist-watch cases, watch straps and tighteners, rivet buttons, tighteners, rivets, zippers and metal marks, when these are used in garments, if the rate of nickel release from the parts of these articles coming into direct and prolonged contact with the skin is greater than 0,5 µg/cm ² /week; (c) in articles such as those listed in point (b) where these have a non-nickel coating unless such coating is sufficient to ensure that the rate of nickel release from those parts of such articles coming into direct and prolonged contact with the skin will not exceed 0,5 µg/cm ² /week for a period of at least two years of normal use of the article.	electronic equipment, surface treatment	31.01.11	31.01.11
160.1	hydrocarbons, aromatic	nonylphenol ethoxylate	D(FA)	9016-45-9	none	22, 36/38, 53	tbc	Regulation (EC) No 1907/2006, Annex XVII		Canada: CEPA Toxic; Swiss: SR 814.81 Annex 1.8			In all applications except in those areas that are prohibited.		Shall not be placed on the market or used as a substance or constituent of preparations in concentrations equal or higher than 0,1 % by mass for the following purposes (1) industrial and institutional cleaning except controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, cleaning systems with special treatment where the washing liquid is recycled or incinerated; (2) domestic cleaning; (3) textiles and leather processing except processing with no release into waste water, systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin); (4) emulsifier in agricultural teat dips; (5) metal working except uses in controlled closed systems where the washing liquid is recycled or incinerated; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products; (9) co-formulants in pesticides and biocides.	surface active agent, cleaning agent	31.01.11	31.01.11

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160	hydrocarbons, aromatic	nonylphenol ethoxylate	P(AR)	9016-45-9	none	22, 36/38, 53	tbc	Regulation (EC) No 1907/2006, Annex XVII		Canada: CEPA Toxic; Swiss: SR 814.81 Annex 1.8	In Cleaning, textiles and leather, manufacturing of pulp and paper, in biocides.		Shall not be placed on the market or used as a substance or constituent of preparations in concentrations equal or higher than 0,1 % by mass for the following purposes (1) industrial and institutional cleaning except controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, cleaning systems with special treatment where the washing liquid is recycled or incinerated; (2) domestic cleaning; (3) textiles and leather processing except processing with no release into waste water, systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin); (4) emulsifier in agricultural teat dips; (5) metal working except uses in controlled closed systems where the washing liquid is recycled or incinerated; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products; (9) co-formulants in pesticides and biocides.	surface active agent, cleaning agent	31.01.11	31.01.11
161.1	hydrocarbons, aromatic	nonylphenol; 4-nonylphenol, branched	D(FA)	25154-52-3; 84852-15-3	246-672-0; 284-325-5	62, 63, 22, 34, 50/53	H361fd, H302, H314, H400, H410	Directive 2003/53/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Canada: CEPA Toxic; Swiss: SR 814.81 Annex 1.8	In all applications except in those areas that are prohibited.		Shall not be placed on the market or used as a substance or constituent of preparations in concentrations equal or higher than 0,1 % by mass for the following purposes (1) industrial and institutional cleaning except controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, cleaning systems with special treatment where the washing liquid is recycled or incinerated; (2) domestic cleaning; (3) textiles and leather processing except processing with no release into waste water, systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin); (4) emulsifier in agricultural teat dips; (5) metal working except uses in controlled closed systems where the washing liquid is recycled or incinerated; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products; (9) co-formulants in pesticides and biocides.	surface active agent, lubricating, hardener	31.01.11	31.01.11
161	hydrocarbons, aromatic	nonylphenol; 4-nonylphenol, branched	P(AR)	25154-52-3; 84852-15-3	246-672-0; 284-325-5	62, 63, 22, 34, 50/53	H361fd, H302, H314, H400, H410	Directive 2003/53/EC, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Canada: CEPA Toxic; Swiss: SR 814.81 Annex 1.8	In Cleaning; Textiles and leather; Manufacturing of pulp and paper and in biocides.		Shall not be placed on the market or used as a substance or constituent of preparations in concentrations equal or higher than 0,1 % by mass for the following purposes (1) industrial and institutional cleaning except controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, cleaning systems with special treatment where the washing liquid is recycled or incinerated; (2) domestic cleaning; (3) textiles and leather processing except processing with no release into waste water, systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin); (4) emulsifier in agricultural teat dips; (5) metal working except uses in controlled closed systems where the washing liquid is recycled or incinerated; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products; (9) co-formulants in pesticides and biocides.	surface active agent, lubricating, hardener	31.01.11	31.01.11
162.1	amines, aromatic	o-aminoazotoluene	D(FA)	97-56-3	202-591-2	45, 43	H350, H317	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
162	amines, aromatic	o-aminoazotoluene	P(AR)	97-56-3	202-591-2	45, 43	H350, H317	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
163.1	amines, aromatic	o-anisidine	D(FA)	90-04-0	201-963-1	45, 23/24/25, 68	H350, H341, H331, H311, H301	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
163	amines, aromatic	o-anisidine	P(AR)	90-04-0	201-963-1	45, 23/24/25, 68	H350, H341, H331, H311, H301	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).	0,1 % Mixtures 30 ppm in articles		In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
164.1	alkylphenol ethoxylates (APEOs) and metabolites	octylphenol	D(FA)	several; 27193-28-8; 67554-50-1	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 166/2006		Swiss: SR 814.81 Annex 1.8	In all applications except in those areas that are prohibited.			Cleaning systems, textile and leather processing, metal working, pesticides, biocides	31.01.11	31.01.11
164	alkylphenol ethoxylates (APEOs) and metabolites	octylphenol	P(AR)	67554-50-1	266-717-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 166/2006		Swiss: SR 814.81 Annex 1.8	Industrial cleaning systems, Textile and leather processing, Metal working			Cleaning systems, textile and leather processing, metal working, pesticides, biocides	31.01.11	31.01.11

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165.1	alkylphenol ethoxylates (APEOs) and metabolites	octylphenol ethoxylate; Octoxynol 9	D(FA)	9002-93-1	none	22, 41	tbc	Regulation (EC) No 166/2006		Swiss: SR 814.81 Annex 1.8	In all applications except in those areas that are prohibited.			Cleaning systems, textile and leather processing, metal working, pesticides, biocides	31.01.11	31.01.11
165	alkylphenol ethoxylates (APEOs) and metabolites	octylphenol ethoxylate; Octoxynol 9	P(AR)	9002-93-1	none	22, 41	tbc	Regulation (EC) No 166/2006		Swiss: SR 814.81 Annex 1.8	Industrial cleaning systems, Textile and leather processing, Metal working			Cleaning systems, textile and leather processing, metal working, pesticides, biocides	31.01.11	31.01.11
166.1	organo tin compounds	organostannous compounds	D(FA)	several, Sn: 7440-31-5	several, Sn: 231-141-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Decision 2009/425/EC	France: DC 92-1074		In all applications except in those areas that are prohibited.		Shall not be placed on the market for use as substances and constituents of preparations when acting as biocides in free association paint. Shall not be placed on the market or used as substances and constituents of preparations which act as biocides to prevent the fouling by micro-organisms, plants or animals of (a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes; (b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming; (c) any totally or partly submerged appliance or equipment. 3. Shall not be used as substances and constituents of preparations intended for use in the treatment of industrial waters.	wood, water tanks, paints	31.01.11	31.01.11
166	organo tin compounds	organostannous compounds	P(AR)	several, Sn: 7440-31-5	several, Sn: 231-141-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Annex XVII, Decision 2009/425/EC	France: DC 92-1074		In paints. Anti-fouling		Shall not be placed on the market for use as substances and constituents of preparations when acting as biocides in free association paint. Shall not be placed on the market or used as substances and constituents of preparations which act as biocides to prevent the fouling by micro-organisms, plants or animals of (a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes; (b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming; (c) any totally or partly submerged appliance or equipment. 3. Shall not be used as substances and constituents of preparations intended for use in the treatment of industrial waters.	wood, water tanks, paints	31.01.11	31.01.11
167	halogenated hydrocarbons, aromatic	ortho-chloro-cresol; 4-chloro-o-cresol; 4-chloro-2-methyl phenol	D(FA)	1570-64-5	216-381-3	23, 35, 50	H331, H314, H400	Regulation (EC) No 1272/2008			All applications			in oils, lubricants and tar oils (softeners)	31.01.11	31.01.11
168.1	amines, aromatic	o-toluidine	D(FA)	95-53-4	202-429-0	45, 23/25, 36-50	H350, H331, H301, H319, H400	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all applications except in those areas that are prohibited.			In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
168	amines, aromatic	o-toluidine	P(AR)	95-53-4	202-429-0	45, 23/25, 36-50	H350, H331, H301, H319, H400	Regulation (EC) No 1907/2006, Annex XVII		Swiss: SR 814.81 Annex 1.13	In all substances or preparations. In dyes for textile and leather (Azocolourants).			In dyes for textile and leather (Azocolourants). Stabilizer in rubber	31.01.11	31.01.11
169	halogenated hydrocarbons, aromatic	pentabromodiphenyl ether; PentaBDE	P(AR)	32534-81-9	251-084-2	48/21/22, 64, 50/53	H373, H362, H400, H410	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	Germany_ ChemVerbotsV	North America : California: Assembly Bill 302, signed in August 2003 by the governor and published in § 108920-23 of the California Health&Safety Code; Hawaii: Act 146 (Gov. Msg. No. 335, formerly referred to as House Bill 2013); Illinois: Public Act 094-010002 (H.B. 2572) The Brominated Fire Retardant Prevention Act; Maine: L.D. 1790, 38 MRSA § 1609, changed by Maine Public Law Chapter 296, H.P. 1167-L.D. 1658; Maryland: Chapter 522 (H.B. 83) An Act Concerning Brominated Flame Retardants - Pentabrominated and Octabrominated Diphenylether - Prohibition; Michigan: HB4406, SB1458; New York: NYS Environmental Conservation Law § 37-0111; Washington: Engrossed House Bill 1024 in the 2007 Regular Session: An Act Relating to Phasing Out the Use of Polybrominated Diphenyl Ethers; Swiss: SR 814.81 Annex 1.9; China: China RoHS	All applications	0,10%		flame retardant in plastic, textile	31.01.11	31.01.11
170.1	halogenated hydrocarbons, aliphatic	pentachloroethane	D(FA)	76-01-7	200-925-1	40, 48/23, 51/53	H351, H372 **, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996 Germany: ChemVerbotsV		In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	Used as solvent for oils and fats, natural rubber and resins	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
170	halogenated hydrocarbons, aliphatic	pentachloroethane	P(AR)	76-01-7	200-925-1	40, 48/23, 51/53	H351, H372, H411	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996 Germany: ChemVerbotsV		In diffusive applications such as in surface cleaning and cleaning of fabrics.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	Used as solvent for oils and fats, natural rubber and resins	31.01.11	31.01.11
171	halogenated hydrocarbons, aromatic	pentachlorophenol and its compounds (salts and esters); PCP	P(AR)	87-86-5; 131-52-2	201-778-6	24/25, 26, 36/37/38, 40, 50/53	H351, H330, H311, H301, H319, H335, H315, H400, H410	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: DC 94-647; Germany: ChemVerbotsV		All applications	0,10%	Shall not be used in a concentration equal to or greater than 0,1 % by mass in substances or preparations placed on the market.	impregnation of textile, treatment of wood, leather	31.01.11	31.01.11
172.1	fluorinated greenhouse gas	perfluorocarbons; PFC	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 842/2006			In all applications except in those areas that are prohibited.		Banned in non hermetically sealed system	dielectric (gaseous insulator for electrical equipment)	31.01.11	31.01.11
172	fluorinated greenhouse gas	perfluorocarbons; PFC	P(AR)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 842/2006			All applications dielectric (gaseous insulator for electrical equipment) except for hermetically sealed systems		Banned in non hermetically sealed system	dielectric (gaseous insulator for electrical equipment)	31.01.11	31.01.11
173	sulphonic acids, halogenated	perfluorooctane sulfonate salts; PFOS	P(AR)	several, 45298-90-6 (salt)	none	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 850/2004, Directive 2006/122/EC, Regulation (EC) No 1907/2006, Annex XVII			All Applications	0,10%	Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than 50 mg/kg (0,005 % by weight). Shall not be placed on the market insemi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or greater than 0,1 % by weight calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or greater than 1 µg/m ² of the coated material.	textiles, leathers, papers, fire fighting foams	31.01.11	31.01.11
174	hydrocarbons	petroleum, solvent extract of heavy naphthenic distillate	D(FA)	64742-11-6	265-111-0	45	H350	Regulation (EC) No 1272/2008			All applications			cleaning agents, metal surface treatment agents, paints, varnishes	31.01.11	31.01.11
175	hydrocarbons	petroleum, solvent extract of heavy paraffinic distillate	D(FA)	64742-04-7	265-103-7	45	H350	Regulation (EC) No 1272/2008			All applications			cleaning agents, metal surface treatment agents, paints, varnishes	31.01.11	31.01.11
176	hydrocarbons	petroleum, solvent extract of light naphthenic distillate	D(FA)	64742-03-6	265-102-1	45	H350	Regulation (EC) No 1272/2008			All applications			cleaning agents, metal surface treatment agents, paints, varnishes	31.01.11	31.01.11
177	hydrocarbons	petroleum, solvent extract of light paraffinic distillate	D(FA)	64742-05-8	265-104-2	45	H350	Regulation (EC) No 1272/2008			All applications			cleaning agents, metal surface treatment agents, paints, varnishes	31.01.11	31.01.11
178.1	hydrocarbons, aromatic	Pitch; coal tar, high tempo	D(FA)	65996-93-2	266-028-2	45	H350	Regulation (EC) No 1907/2006, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Mainly used in production of electrodes for industrial applications. Smaller volumes are dedicated to specific uses like heavy duty corrosion protection, special purpose paving, manufacture of other substances and the production of clay targets.	31.01.11	31.01.11
179.1	halogenated hydrocarbons, aromatic	polybrominated biphenyls; PBB	D(FA)	59536-65-1	none	According to EC criteria does not require labelling	tbc	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Regulation (EC) No 850/2004, Regulation (EC) No 1907/2006, Annex XVII	Germany: ElektroG	Canada: CEPA SOR/96-237, CEPA Toxic; Swiss: SR 814.81 Annex 2.14, Annex 2.17 and Annex 1.9; China: China RoHS	In all applications except in those areas that are prohibited.			In transformers, condensers, capacitors, insulators, resistors, wood treatment, flame retardant or plasticizer for plastic	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
179	halogenated hydrocarbons, aromatic	polybrominated biphenyls; PBB	P(AR)	59536-65-1	none	According to EC criteria does not require labelling	tbc	Directive 2002/95/EC and Decision 2005/618/EC (RoHS), Regulation (EC) No 850/2004, Regulation (EC) No 1907/2006, Annex XVII	Germany: ElektroG	Canada: CEPA SOR/96-237, CEPA Toxic; Swiss: SR 814.81 Annex 2.14, Annex 2.17 and Annex 1.9; China: China RoHS	Textiles			In transformers, condensers, capacitors, insulators, resistors, wood treatment, flame retardant or plasticizer for plastic	31.01.11	31.01.11
180	halogenated hydrocarbons, aromatic	polychlorinated terphenyls; PCT	P(AR)	61788-33-8	262-968-2	According to EC criteria does not require labelling	tbc	Directive 2002/96/EC, Regulation (EC) No 1907/2006, Annex XVII	France: DC 87-59	Canada: CEPA SOR/96-237, CEPA Toxic	All applications		Preparations, including waste oils, with a PCT content higher than 0,005 % by weight. Shall not be used. However, the following use of equipment, installations and fluids which were in service on 30 June 1986 shall continue to be permitted until they are disposed of or reach the end of their service life: (a) closed-system electrical equipment transformers, resistors and inductors; (b) large condensers (≥ 1 kg total weight); (c) small condensers; (d) heat-transmitting fluids in closed-circuit heat-transfer installations; (e) hydraulic fluids for underground mining equipment.	Electronics (transformers, capacitors, insulators and resistors), heat transmitting fluids, hydraulics, flame retardant for plastic, plasticizer in plastics	31.01.11	31.01.11
181	halogenated hydrocarbons, aromatic	polychlorobiphenyls; PCB	P(AR)	1336-36-3	215-648-1	33, 50/53	H373, H400, H410	Regulation (EC) No 850/2004, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008	France: DC 92-1074; Germany: ChemVerbotsV		All applications			flame retardant in plastic, insulators, oils, plasticizers, paints	31.01.11	31.01.11
182.1	hydrocarbons, aromatic	polycyclic aromatic hydrocarbons; PAH	D(FA)	50-32-8; 192-97-2; 56-55-3; 218-01-9; 205-99-2; 205-82-3; 207-08-9; 53-70-3	200-028-5; 205-892-7; 200-280-6; 205-923-4; 205-911-9; 205-910-3; 205-916-6; 200-181-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 850/2004, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 2.17	In all applications except in those areas that are prohibited.		Extender oils shall not be placed on the market and used for the production of tyres or parts of tyres, if they contain more than 1 mg/kg BaP, or more than 10 mg/kg of the sum of all listed PAHs. Furthermore, the tyres and treads for retreading manufactured after 1 January 2010 may not be placed on the market if they contain extender oils exceeding the limits indicated in paragraph 1. For swiss market BaP may not be used in wood treatment	pyrolysis, in base oils and lubricants	31.01.11	31.01.11
182	hydrocarbons, aromatic	polycyclic aromatic hydrocarbons; PAH	P(AR)	50-32-8; 192-97-2; 56-55-3; 218-01-9; 205-99-2; 205-82-3; 207-08-9; 53-70-3	200-028-5; 205-892-7; 200-280-6; 205-923-4; 205-911-9; 205-910-3; 205-916-6; 200-181-8	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 850/2004, Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 2.17	Tyres and Treads. Swiss: Wood Treatment		Extender oils shall not be placed on the market and used for the production of tyres or parts of tyres, if they contain more than 1 mg/kg BaP, or more than 10 mg/kg of the sum of all listed PAHs. Furthermore, the tyres and treads for retreading manufactured after 1 January 2010 may not be placed on the market if they contain extender oils exceeding the limits indicated in paragraph 1. For swiss market BaP may not be used in wood treatment	pyrolysis, in base oils and lubricants	31.01.11	31.01.11
183	halogenated polymers	polyvinylchloride; PVC	D(FA)	9002-86-2	none	According to EC criteria does not require labelling	tbc				All applications		All applications. Use of PVC should be avoided. (GREEN PAPER of the EU KOM (2000) 469). PVC products take many forms, due to additives used in manufacture. The additives can influence the physical and toxicological properties of this substance. The final product may contain traces of monomer vinyl chloride.	plastic details, paints, textiles, carpets, cables etc.	31.01.11	31.01.11
184	potassium compounds	potassium acetate	P(AR)	127-08-2	204-822-2	According to EC criteria does not require labelling.	tbc			Swiss: SR 814.81 Annex 2.7	De-icing			De-icing agents	31.01.11	31.01.11
185	chromium(VI) compounds	potassium chromate	D(FA)	7789-00-6	232-140-5	46, 49, 36/37/38, 43, 50/53	H350i, H340, H319, H335, H315, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as a corrosion inhibitor for treatment and coating of metals, for manufacture of reagents, chemicals and textiles, as a colouring agent in ceramics, in the manufacture of pigments/inks and in the laboratory as analytical agent.	31.01.11	31.01.11
186	chromium(VI) compounds	potassium dichromate	D(FA)	7778-50-9	231-906-6	45, 46, 60, 61, 8, 21, 25, 26, 34, 42/43, 48/23, 50/53	H272, H350, H340, H360FD, H330, H301, H372, H312, H314, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as primary-standard chemical in the oxidimetry and iodometry, for the production of chromium pigments, detection of lead and hydrogen peroxide, oxidation of organic compounds, used in photography.	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
187.1	potassium compounds	potassium formiate	D(FA)	590-29-4	209-677-9	According to EC criteria does not require labelling.	tbc			Swiss: SR 814.81 Annex 2.8	In all applications except in those areas that are prohibited.			De-icing agents	31.01.11	31.01.11
187	potassium compounds	potassium formiate	P(AR)	590-29-4	209-677-9	According to EC criteria does not require labelling.	tbc			Swiss: SR 814.81 Annex 2.7	De-icing			De-icing agents	31.01.11	31.01.11
188	radioactive substances	radioactive substances	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances				All applications			Fire alarm systems	31.01.11	31.01.11
189	resin	rosin colophony; tall-oil rosin	D(FA)	8052-10-6	232-484-6	43	H317	Regulation (EC) No 1272/2008			All applications			intermediates, raw material, adhesives, chemicals	31.01.11	31.01.11
190	resin	rosin; colophony	D(FA)	8050-09-7	232-475-7	43	H317	Regulation (EC) No 1272/2008			All applications			additives and paints	31.01.11	31.01.11
191	non ferrous metals and their compounds	selenium and its compounds	D(FA)	several, Se: 7782-49-2	several, Se: 231-957-4	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1272/2008			All applications			in plastics, photoelectric coatings, diodes and pigments	31.01.11	31.01.11
192.1	halogenated hydrocarbons, aliphatic	short chained chlorinated paraffins; SCCP; alkanes C10-13	D(FA)	85535-84-8	287-476-5	40, 50/53	H351, H400, H410	Regulation (EC) No 1907/2006, Annex XIV, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008	Netherlands: 2004/1/EC; France: DC 2003-879, ED/67/2008	Swiss - SR 814.81 Annex 1.5	In all applications except in those areas that are prohibited.		Shall not be placed on the market for use as substances or as constituents of other substances or preparations in concentrations higher than 1 % in metalworking, for fat liquoring of leather.	flame retardant, plasticizer in rubber, sealants, additive in paint and textile coating, fattening and softening agent in leather, impregnation agent etc	31.01.11	31.01.11
192	halogenated hydrocarbons, aliphatic	short chained chlorinated paraffins; SCCP; alkanes, C10-13	P(AR)	85535-84-8	287-476-5	40, 50/53	H351, H400, H410	Regulation (EC) No 1907/2006, Annex XIV, Annex XVII, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008	Netherlands: 2004/1/EC; France: DC 2003-879, ED/67/2008	Swiss - SR 814.81 Annex 1.4	Leather		Shall not be placed on the market for use as substances or as constituents of other substances or preparations in concentrations higher than 1 % in metalworking, for fat liquoring of leather.	flame retardant, plasticizer in rubber, sealants, additive in paint and textile coating, fattening and softening agent in leather, impregnation agent etc	31.01.11	31.01.11
193	non ferrous metals and their compounds	silver compounds	D(FA)	several	several	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances				All applications			metal surface, treatment agents, intermediates, raw material	31.01.11	31.01.11
194.1	sodium compounds	sodium acetate	D(FA)	127-09-3 (without water); 6131-90-4 Trihydrat	204-823-8	According to EC criteria does not require labelling.	According to EC criteria does not require labelling.			Swiss: SR 814.81 Annex 2.7	In all applications except in those areas that are prohibited.			De-icing agents	31.01.11	31.01.11
194	sodium compounds	sodium acetate	P(AR)	127-09-3 (without water); 6131-90-4 Trihydrat	204-823-8	According to EC criteria does not require labelling.	According to EC criteria does not require labelling.			Swiss: SR 814.81 Annex 2.7	De-icing			De-icing agents	31.01.11	31.01.11
195	chromium(VI) compounds	sodium chromate	D(FA)	7775-11-3	231-889-5	45, 46, 60, 61, 21, 25, 26, 34, 42/43, 48/23, 50/53	H350, H340, H360FD, H330, H301, H372, H312, H314, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as an intermediate in the manufacture of other chromium compounds as well as a laboratory analytical agent, but this use is limited.	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
196	chromium(VI) compounds	sodium dichromate	D(FA)	10588-01-9 (without water); 7789-12-0	234-190-3	45, 46, 60, 61, 8, 21, 25, 26, 34, 42/43, 48/23, 50/53	H272, H350, H340, H360FD, H330, H301, H312, H372, H314, H334, H317, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as oxidizing agents (especially in the organic chemistry), corrosion inhibitors, used for the production of chromium pigments, chromium oxides and other chromium compounds, for wood-impregnation, surface treatment of metals.	31.01.11	31.01.11
197.1	sodium compounds	sodium formiate	D(FA)	141-53-7	205-488-0	According to EC criteria does not require labelling.	According to EC criteria does not require labelling.			Swiss: SR 814.81 Annex 2.8	In all applications except in those areas that are prohibited.			De-icing agents	31.01.11	31.01.11
197	sodium compounds	sodium formiate	P(AR)	141-53-7	205-488-0	According to EC criteria does not require labelling.	According to EC criteria does not require labelling.			Swiss: SR 814.81 Annex 2.7	De-icing			De-icing agents	31.01.11	31.01.11
198	acrylates and acetates	special glycols: 2-methoxyethanol, ethylene glycol monomethyl ether; 2-ethoxyethyl acetate, ethylglycol acetate	D(FA)	109-86-4; 111-15-9	203-713-7; 203-839-2	60, 61, 10, 20/21/22	H226, H360FD, H332, H312, H302	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as solvent for natural and synthetic resins, oils, fats, plasticising agents, nitrocellulose, celluloid and chlorinated caoutchouc, part of lacquers, diluting agents for lacquers.	31.01.11	31.01.11
199	non ferrous metals and their compounds	strontium and its compounds	D(FA)	several, Chromate: 7789-06-2	several, Chromate: 232-142-6	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			pigments, used in paints	31.01.11	31.01.11
200.1	fluorinated greenhouse gas	sulphur hexafluoride, SF6	D(FA)	2551-62-4	219-854-2	According to EC criteria does not require labelling	tbc	Regulation (EC) No 842/2006		Swiss: SR 814.81 Annex 1.5 (SF6)	In all applications except in those areas that are prohibited.		Banned in non hermetically sealed system	dielectric (gaseous insulator for electrical equipment)	31.01.11	31.01.11
200	fluorinated greenhouse gas	sulphur hexafluoride, SF6	P(AR)	2551-62-4	219-854-2	According to EC criteria does not require labelling	tbc	Regulation (EC) No 842/2006		Swiss: SR 814.81 Annex 1.5 (SF6)	All applications dielectric (gaseous insulator for electrical equipment) except for hermetically sealed systems		Banned in non hermetically sealed system	dielectric (gaseous insulator for electrical equipment)	31.01.11	31.01.11
201	minerals	talc; talcum; agalite	D(FA)	14807-96-6	238-877-9	According to EC criteria does not require labelling	tbc				All applications; powder form			fine ceramics and electro ceramics, colour, paper and fireproofing industry, chemical industry (carrier material for pesticides, loading material for plastics)	31.01.11	31.01.11
202	boron and its compounds	tetraboron disodium heptaoxide, hydrate	D(FA)	12267-73-1	235-541-3	60, 61	H360FD	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as fluxing agent for hard-soldering, wood preservative against fungal decay and insect attack, part of soaps and powders against oily skin, bleaching cremes and several skin care products, used for the production of glass, fibre glass insulations, fibre glass mats, enamel, boric acid, sodium perborate, for glazings, stiffening of fabric, flameproof impregnation of wood and textiles.	31.01.11	31.01.11
203	halogenated hydrocarbons, aromatic	tetrabromobisphenol-A; 2,2,6,6-tetrabromo-4,4-isopropylidenediphenol; TBBPA; Bromdian; BA 59	D(FA)	79-94-7	201-236-9	50/53	H400, H410	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			printed circuit boards as flame retardant	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
204	halogenated hydrocarbons, aliphatic	tetrachloroethylene	D(FA)	127-18-4	204-825-9	40, 51/53	H351, H411	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008	Sweden: 1998:94	Canada: CEPA Toxic	All applications			solvents, metal degreasing, joint dimension, lubricant	31.01.11	31.01.11
205	phenols	tetrachlorophenol; TeCP	D(FA)	58-90-2	200-402-8	25, 36/38, 50/53	H301, H319, H315, H400, H410	Regulation (EC) No 1907/2006		Swiss: SR 814.81 Annex 1.1	All applications			Wood treatment, fungicide	31.01.11	31.01.11
206.1	hydrocarbons, aromatic	toluene; methyl benzene	D(FA)	108-88-3	203-625-9	11, 38, 48/20, 63, 65, 67	H225, H361d, H304, H373, H315, H336	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Canada: CEPA PSL 1; Swiss: SR 814.81 Annex 1.12	In all applications except in those areas that are prohibited.			solvent carrier in paint, thinner or adhesives	31.01.11	31.01.11
206	hydrocarbons, aromatic	toluene; methyl benzene	P(AR)	108-88-3	203-625-9	11, 38, 48/20, 63, 65, 67	H225, H361d, H304, H373, H315, H336	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008		Canada: CEPA PSL 1; Swiss: SR 814.81 Annex 1.12	Paints, Adhesives			solvent carrier in paint, thinner or adhesives	31.01.11	31.01.11
207	isocyanates	toluene-2,4-diisocyanate	D(FA)	584-84-9	209-544-5	26, 36/37/38, 40, 42/43, 52/53	H351, H330, H319, H335, H315, H334, H317, H412	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, binders (paints, adhesives etc.), hardeners, production of: polyurethane's which in turn are used for the production of foamed plastics, elastomers, raw materials for varnishes, coatings, fibers and adhesive agents	31.01.11	31.01.11
208	isocyanates	toluene-2,6-diisocyanate	D(FA)	91-08-7	202-039-0	26, 36/37/38, 40, 42/43, 52/53	H351, H330, H319, H335, H315, H334, H317, H412	Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008			All applications			intermediates, raw material, binders (paints, adhesives etc.), hardeners, production of: polyurethane's which in turn are used for the production of foamed plastics, elastomers, raw materials for varnishes, coatings, fibers and adhesive agents	31.01.11	31.01.11
209	halogenated phosphoric compounds	tri(2,3-dibromopropyle) phosphate	P(AR)	126-72-7	204-799-9	45, 22, 38, 51/53	tbc	Regulation (EC) No 1907/2006, Annex XVII			Textile, garments, undergarments and linen, intended to come into contact with the skin.		Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.	flame retardant	31.01.11	31.01.11
209.1	halogenated phosphoric compounds	tri(2,3-dibromopropyle) phosphate	D(FA)	126-72-7	204-799-9	45, 22, 38, 51/53	tbc	Regulation (EC) No 1907/2006, Annex XVII			In all applications except in those areas that are prohibited.		Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.	flame retardant	31.01.11	31.01.11
210.1	phosphoric compound	triaziridinyl phosphine oxide; TEPA	D(FA)	545-55-1	208-892-5	tbc	tbc	Regulation (EC) No 1907/2006, Annex XVII		Swiss: ORRChem, SR 814.81 Annex 1.9	In all applications except in those areas that are prohibited.		Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.	flame retardant	31.01.11	31.01.11
210	phosphoric compound	triaziridinyl phosphine oxide; TEPA	P(AR)	545-55-1	208-892-5	tbc	tbc	Regulation (EC) No 1907/2006, Annex XVII		Swiss: ORRChem, SR 814.81 Annex 1.9	Textile, garments, undergarments and linen, intended to come into contact with the skin.		Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin.	flame retardant	31.01.11	31.01.11
211.1	halogenated hydrocarbons, aliphatic	trichloroethylene; trichloroethene	D(FA)	79-01-6	201-167-4	45, 36/38, 52/53, 67	H350, H341, H319, H315, H336, H412	Directive 1999/13/EC, Regulation (EC) No 1272/2008	Sweden: 1998:944, KIFS 2008:2; France: Arrêté du 30 April 2009		In all applications except in those areas that are prohibited.			lubricants, cleaning agents; coolants, propellants, polyvinyl chloride (PVC) production	31.01.11	31.01.11
211	halogenated hydrocarbons, aliphatic	trichloroethylene; trichloroethene	P(AR)	79-01-6	201-167-4	45, 36/38, 52/53, 67	H350, H341, H319, H315, H336, H412	Directive 1999/13/EC, Regulation (EC) No 1272/2008	Sweden: 1998:944, KIFS 2008:2; France: Arrêté du 30 April 2009		Interior materials emitting more than 1 µg per m³			lubricants, cleaning agents; coolants, propellants, polyvinyl chloride (PVC) production	31.01.11	31.01.11
212.1	halogenated hydrocarbons, aliphatic	trichloromethane; chloroform; R 20	D(FA)	67-66-3	200-663-8	22, 38, 40, 48/20/22	H351, H302, H373, H315	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV	North America: 42 USC 7671c-d	In all applications except in those areas that are prohibited.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	solvents	31.01.11	31.01.11

No.	Group of substance	Substance	UNIFE category	CAS-number	EINECS	R-phrases	CLP classification	EU Legislation	National Legislation EU	Regulation non EU	Area of restriction	Limit Value	Comment	Typical use	Date of inclusion	Date of last modification
212	halogenated hydrocarbons, aliphatic	trichloromethane; chloroform; R 20	P(AR)	67-66-3	200-663-8	22, 38, 40, 48/20/22	H351, H302, H373, H315	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008	France: AR 13101996; Germany: ChemVerbotsV	North America: 42 USC 7671c-d	In diffusive applications such as in surface cleaning and cleaning of fabrics.	0,10%	Shall not be used in concentrations equal to or greater than 0,1 % by weight in substances and preparations placed on the market for sale to the general public and/or in diffusive applications such as in surface cleaning and cleaning of fabrics. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of dangerous substances and preparations, the packaging of such substances and preparations containing them in concentrations equal to or greater than 0,1 % shall be legible and indelibly marked as follows: 'For use in industrial installations only'.	solvents	31.01.11	31.01.11
213	non ferrous metals and their compounds	triethyl arsenate	D(FA)	15606-95-8	427-700-2	45, 23/25, 50/53	H350, H331, H301, H400, H410	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications		Arsenic compounds are not allowed as substances or components of formulations which are intended as anti-fouling agent, for wood preservation, for water treatment.	anti-fouling agent, wood preservation, water treatment	31.01.11	31.01.11
214	halogenated hydrocarbons, aliphatic	trifluoromethyl bromide; R 13 B1; F-13 B1	P(AR)	75-63-8	200-887-6	59	tbc	Regulation (EC) No 1907/2006, Regulation (EC) No 1005/2009			All applications			lubricants, cleaning agents; coolants, propellants	31.01.11	31.01.11
215	phosphoric compound	triphenyl phosphate; TPP	D(FA)	115-86-6	204-112-2	50/53	tbc				All applications			flame retardant, antioxidant	31.01.11	31.01.11
216	halogenated phosphoric compounds	tris(2-chloroethyl)phosphate	D(FA)	115-96-8	204-118-5	40, 60, 22, 51/53	H351, H360F, H302, H411	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications			Used as an additive plasticiser and viscosity regulator with flame-retarding properties for acrylic resins, polyurethane, polyvinyl chloride and other polymers. Other fields of application are adhesives, coatings, flame resistant paints and varnishes. The main industrial branches to use TCEP are the furniture, the textile and the building industry.	31.01.11	31.01.11
217	aluminium compounds	trisodium hexafluoroaluminate; cryolite	D(FA)	15096-52-3; 13775-53-6	239-148-8; 237-410-6	20/22, 48/23/25, 51/53	H372, H332, H302, H411	Regulation (EC) No 1272/2008			All applications			plastic fillings, intermediates, raw material, binders, process regulators	31.01.11	31.01.11
218	urea derivatives	urea	P(AR)	57-13-6	200-315-5	According to EC criteria does not require labelling.	tbc	Regulation (EC) No 1272/2008		Swiss: SR 814.81 Annex 2.7	De-icing		CH	De-icing agents	31.01.11	31.01.11
219	halogenated hydrocarbons, aliphatic	vinyl chloride; chloroethylene	P(AR)	75-01-4	200-831-0	45, 12	H220, H350	Regulation (EC) No 1907/2006, Annex XVII, Regulation (EC) No 1272/2008			Aerosol propellant for any use.		Shall not be used as aerosol propellant for any use.	intermediate PVC	31.01.11	31.01.11
220	chromium(VI) compounds	zinc chromate; Buttercup Yellow	D(FA)	13530-65-9	7440-02-0	45, 22, 43, 50/53	tbc	Regulation (EC) No 1907/2006			All applications			paints	31.01.11	31.01.11
221	non ferrous metals and their compounds	ziram (ISO); zinc bis dimethyldithiocarbamate	D(FA)	137-30-4	205-288-3	22, 26, 37, 41, 43, 48/22	H330, H302, H373, H335, H318, H317, H400, H410	Regulation (EC) No 1272/2008			All applications			vulcanisation accelerator	31.01.11	31.01.11
222	artificial fibers	zirconia aluminosilicate, refractory ceramic fibers; RCF	D(FA)	none	none	For classification/labelling refer to the individual substances	For classification/labelling refer to the individual substances	Regulation (EC) No 1907/2006, REACH: Listed in Candidate List of Substances of very high Concern for authorisation (SVHC), Regulation (EC) No 1272/2008			All applications		Zirconia Aluminosilicate Refractory Ceramic fibers are fibers covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 2008/1272, and fulfil the two following conditions: a) Al2O3, SiO2 and ZrO2 are present within the following concentration ranges: Al2O3: 35-36 % w/w and SiO2: 47.5 - 50 % w/w, and ZrO2: 15 - 17 % w/w, b) fibers have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers (µm).	Used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment).	31.01.11	31.01.11

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X		X	X				X					
						X		X	X				X					
						X		X					X					
						X		X					X					
						X		X	X				X					
						X		X	X				X					
						X		X	X				X					
						X		X	X				X					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X		X					X					
						X		X					X					
						X		X					X					
						X		X					X					
	X							X				X						
	X							X				X						
						X		X	X				X					
						X		X	X				X					
													X					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
													X					
						X	X		X						X			
						X	X		X						X			
X												X	X		X	X	X	X
													X				X	
						X	X		X									
												X	X			X	X	
							X				X					X		
													X					
													X				X	
													X				X	

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
													X				X	
													X				X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
								X										
								X										
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X		X	X	X	X
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
												X			X	X		X
												X			X	X	X	X
														X				
										X			X			X		
										X								
										X								

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
										X								
										X								
										X								
										X								
X		X					X					X			X	X		
		X					X					X			X	X		
										X								X
										X								X
X	X											X			X			

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishings	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X		X					X				X	X	X	X	X			
								X					X					
													X					
													X				X	
													X				X	
										X			X					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X												X	X			X	X	
X													X					
										X		X	X			X	X	
X								X	X			X	X			X		X
						X		X	X				X					
						X			X									
										X								
X			X										X			X		
X			X										X			X		

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishings	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
								X	X									
								X	X									
														X	X			
													X					
													X			X		
						X	X		X									
						X	X	X	X									
						X	X		X									

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X													X					
X													X					
X													X	X				
X											X							

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
x	x	x	x															
										x								
										x								
x		x										x		x	x			
										x								
												x	x		x	x	x	
		x					x				x	x	x		x	x		x
		x					x				x	x	x		x	x		x

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X	X		X									
						X		X	X			X	X				X	
		X					X				X	X	X		X	X		X
		X					X				X	X	X		X	X		X
		X					X				X	X	X		X	X		X
		X					X				X	X	X		X	X		X
		X					X				X	X	X		X	X		X
													X					
		X					X				X	X	X		X	X		X

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
										X								
										X								
		X					X				X	X	X		X	X		X
												X						
X		X										X			X	X		
												X	X		X	X	X	X
												X	X		X	X	X	X
												X	X		X	X	X	X
X			X					X		X		X	X		X			X
						X		X					X				X	
						X		X					X				X	
						X		X					X				X	

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X		X					X				X	
						X		X					X				X	
						X		X					X				X	
												X	X		X	X		X
												X	X		X	X		X
							X	X		X	X	X	X		X	X	X	
															X	X		
X	X								X						X	X		

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishings	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
x		x										x				x		x
		x						x								x		
										x								
												x						
						x	x	x	x									
						x	x	x	x									
								x				x						
						x	x	x	x				x					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishings	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X			X										X					
X			X										X					
								X					X					
												X	X			X		
										X								
X			X										X					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishings	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X			X										X					
												X	X			X		
															X			
X			X										X					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X			X										X					
								X								X		
												X	X			X	X	X
		X											X					X
														X	X			
						X		X	X				X					
								X										
	X																	

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishings	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
													X		X	X	X	X
													X		X	X	X	X
X			X										X					
X			X										X					
								X					X		X			X

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
								X					X			X		X
								X				X	X			X		
								X				X	X			X		
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	
												X	X			X	X	

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
										X			X					
										X			X					
													X				X	
												X	X			X	X	
												X	X			X	X	
X		X										X			X	X		
						X		X										

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X		X										
										X								X
											X	X		X				X
						X		X					X				X	
						X		X					X				X	
						X		X					X				X	
X													X					
X	X	X										X		X	X			

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
X	X	X										X			X	X		
X		X										X			X	X		
X		X										X			X	X		
												X						
												X						
X	X	X									X	X	X		X	X		X
X										X			X					X
X										X			X					X

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
												x			x			
x		x											x				x	
x													x					
						x	x	x	x				x				x	
						x	x	x	x				x				x	
x		x	x										x		x			
x										x			x					

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
										X								
		X						X				X	X			X	X	
													X					
X							X		X									
X							X		X									
X		X														X		
X			X					X		X		X	X		X			X
X	X	X					X				X	X			X	X	X	X

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X	X	X	X				X				X	
								X					X				X	
								X					X				X	
												X	X		X	X	X	X
X												X	X		X	X	X	X
												X			X	X		
												X			X	X		
												X			X	X		
						X		X	X				X					
						X		X	X				X					
						X	X	X										

Electric and electronic equipment	Capacitors and transformers	Cable and wires	Fixed batteries	Zinc-carbon batteries	Alkali-manganese batteries	Aerosols	Foam plastics	Cleaning agents and solvents	Coolants and extinguishing agents	Wood and wooden materials	Packaging	Sealing compounds, plastics and rubber	Paints and varnishes	Zinc layers	Insulation material and gaskets	Plastics	Adhesives	Textiles
						X	X	X										
										X								
						X		X	X				X					
X							X				X	X			X	X		
							X			X		X				X	X	X
X												X			X	X		
												X	X			X		X
													X					
												X						
															X			