

# Prohibited (black) list

## Chemical substances not to be used within the group

Group	Substance	Risk	CAS No.	Edition	Application of use
Amines	Methylenedianiline (4,4'-) MDA	CA	101-77-9	1	Adhesives Hardeners
Amines	Phenyl-b-naphthylamine	AL CA EN	135-88-6	1	Antioxidants Rubber
Brominated flame retardants	Polybrominated biphenyls (PBB)	CA EN NE	Several	1	All applications Example: Plastics Textiles
Brominated flame retardants	Polybrominated diphenylethers (PBDE)	EN	Several 1163-19-5 32534-81-9 32536-52-0	2	All applications Plastics
Chlorinated hydrocarbons	1,1,1-Trichloroethane	OZ	71-55-6	1	Degreasing agent Solvent
Chlorinated hydrocarbons	1,1,2-Trichloroethane	OZ	79-00-5	1	Solvent
Chlorinated hydrocarbons	1,1,2,2-Tetrachloroethane	OZ	79-34-5	1	Solvent
Chlorinated hydrocarbons	Carbon tetrachloride	CA OZ TO	56-23-5	1	Adhesives Solvent
Chlorinated hydrocarbons	Hexachlorobutadiene	EN TO	87-68-3	1	Solvent
Chlorinated hydrocarbons	Methylene chloride	CA	75-09-2	1	Solvent Fuels
Chlorinated hydrocarbons	Polychlorinated biphenyls (PCB)	EN	Several 1336-36-3	1	Insulators Lubricants Oil
Chlorinated hydrocarbons	Polychlorinated terphenyls (PCT)		several	1	Lubricants Plasticizers
Chlorinated hydrocarbons	Tetrachloroethylene	CA	127-18-4	1	Solvent
Chlorinated hydrocarbons	Vinyl chloride (monomer)	CA TO	75-01-4	1	Aerosol propellant Solvent
Chlorofluorocarbons (CFC)	Chlorofluorocarbons (CFCs)	OZ	Several 75-69-4 75-71-8 76-13-1 76-14-2 76-15-3	1	All applications
Complex hydrocarbons	Benzene Exception may be made for benzene in engine fuel.)	CA	71-43-2	1	Gasoline powered equipment Solvent
Complex hydrocarbons	PAHs (polycyclic aromatic hydrocarbons) Considered to contain PAH if standard test (Institute of Petroleum, IP 346 method) produces the result 'DMSO extract >= 3%'. Applicable to base oils used in lubricants and other chemical products.)	CA	Several 120-12-7	1	Base oils Lubricants Rubber
Fibres	Asbestos	CA	Several	2	Insulating material Construction
Fibres	Erionite	CA	12510-42-8	1	Construction

Flame retardants	Tris (1-aziridinyl) phosphine oxide (TEPA)	66733-21-9 545-55-1	1	Flame retardants
Flame retardants	Tris(2,3-dibromopropyl)phosphate (TRIS)	CA 126-72-7	1	Flame retardants
Halons	Halons	OZ Several 124-73-2 353-58-2 353-59-3 75-63-8	1	Flame retardants Solvent
Halons	Methyl bromide	OZ 74-83-9	1	All products
Hydrobromofluorocarbons (HBFC)	Hydrobromofluorocarbons (HBFCs)	OZ several	1	All products
Hydrochlorofluorocarbons (HCFC)	HCFC (Hydrochlorofluorocarbons) HCFC used as a blowing agent in foam plastics (PUR) or as a solvent is covered by the black list, HCFC used as cooling agent is covered by the grey list.)	OZ Several 1717-00-6 75-45-6 75-68-3	1	Blowing agent in foam plastics (PUR) Solvent
Hydrofluorocarbons (HFC)	HFC-23	EN 75-46-7	1	Cooling agent Solvent
Lubricants	Chlorinated paraffins	EN Several 85535-84-8 85535-85-9	1	Lubricants Metal-working fluids Plasticizers
Metals and metal compounds	Arsenic and arsenic compounds	CA Several EN 7440-38-2 NE	1	Biocides
Metals and metal compounds	Cadmium and Cadmium compounds The use of cadmium in batteries is covered by the grey list, and other applications by the black list.)	CA Several EN 7440-43-9	3	All applications Example: Pigment Batteries
Metals and metal compounds	Lead and lead compounds Maximum concentration value of 0,1 % by weight in homogeneous materials. Exemption for steel alloy 0,35 %, aluminium alloy 0,4%, copper alloy 4 % and bearing shells and bushes. )	EN Several NE 7439-92-1 7758-97-6	3	All applications Example: Electronic equipment Paints Pigment
Metals and metal compounds	Mercury and Mercury compounds	EN Several NE 7439-97-6	4	All applications Electronic equipment Batteries
Perfluorocarbons (PFC)	Perfluorocarbons (PFCs; gaseous)	EN Several 75-73-0 76-16-4	1	All applications
Rubber chemicals	2-naphtylamine + salts	CA 91-59-8	1	Dye Plastics Lubricants Rubber
Rubber chemicals	4-nitrobiphenyl +salts	CA 92-93-3	1	Dye Rubber
Rubber chemicals	Aminobiphenyl (4-) + salts	CA 92-67-1	1	Dye Rubber
Rubber chemicals	Benzidine (+ salts)	CA 92-87-5	1	Dye Rubber
Rubber chemicals	Thiocarbamide	AL 62-56-6 CA	1	Plastics Rubber
Solvents	2-Ethoxyethanol acetate	RE 111-15-9	1	Solvent
Solvents	2-Ethoxyethanol	RE 110-80-5	1	Solvent
Solvents	2-Methoxyethanol acetate	RE 110-49-6	1	Solvent
Solvents	2-Methoxyethanol	RE 109-86-4	1	Solvent
Sulphur hexafluoride	Sulphur hexafluoride	EN 2551-62-4 OZ	1	All applications Example: Vehicle

Surface-active agents	Alkylphenoethoxylates	EN	several	1	applications Detergents Cleaning agents
Surface-active agents	Nonylphenoethoxylates	EN	Several 9016-45-9	1	Cleaning agents Metal-working fluids
Surface-active agents	Nonylphenol	EN	Several 25154-52-3 84852-15-3	1	Used as ethoxylates Metal-working fluids
Surface-active agents	Octylphenoethoxylates	EN	Several 9036-19-5 9063-89-2	1	Cleaning agents Metal-working fluids
Surface-active agents	Octylphenol	EN	Several 27193-28-8	1	Used as ethoxylates
Surface-active agents	Perfluorooctane sulfonates, PFOS	EN	Several	1	Flame retardants Surface treatment. Textiles Electronics
Synthesis chemicals	Bis(chloromethyl)ether (BCME)	CA	542-88-1	1	All products

AL = Allergy, AS = Asthma, CA = Cancer, EN = Environmentally hazardous, MU = Mutagen, NE = Neurotoxic, OZ = Ozone depletion, RE = Reproductive hazards, TO = Toxic