

en **List of prohibited hazardous substances**



en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	50-00-0	200-001-8	Formaldehyde	P	General prohibition	Residues and degradation products in plastics (aminoplasts), urea and melamine resins, foam plastics, vulcanization accelerators, basis for synthetic tannins, biocides (e.g. disinfectants), adhesives, press boards	German Chemical Prohibition Ordinance - ChemVerbotsV (The applicable legal text must be observed for any applications or exemptions)
en	Substance group	--	Chlorinated or brominated dioxins or furans	P	General prohibition	Impurities in products	German Chemical Prohibition Ordinance - ChemVerbotsV (The applicable legal text must be observed for any applications or exemptions)
en	Substance group	--	Pentachlorophenol, pentachlorophenol salts and compounds	P	General prohibition	In products	German Chemical Prohibition Ordinance - ChemVerbotsV (The applicable legal text must be observed for any applications or exemptions)
en	Substance group	--	Biopersistent fibers: Artificial mineral fibers that are made undirected glassy (Silicate) fibers with a mass content of over 18% oxides of sodium, potassium, calcium, magnesium and barium exist	P	General prohibition	In substances, mixtures and articles	German Chemical Prohibition Ordinance - ChemVerbotsV (The applicable legal text must be observed for any applications or exemptions)
en	Material group	Material group	Radioactive substances	P	Through background radiation	Contamination in steel, Gas arrester, glow-discharge lamps	German Radiation Protection Ordinance (StrSchV) §§ 10-12
en	Substance group	Substance group	Mercury and mercury compounds	P	For EEE acc. Directive 2011/65/EU 0,1 % (w/w)	Electrical and electronic equipment and other applications	Regulation (EU) 2017/852
en	121-14-2	204-450-0	2,4-Dinitrotoluene (DNT) or Dinitro	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	2,4-dinitrotoluene is used in the production of toluene diisocyanate, which is used for the production of flexible polyurethane foams	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-08-21 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	101-77-9	202-974-4	4,4'-diaminodiphenylmethane (MDA)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Hardening agents for epoxy resins and adhesives, intermediate product for diphenylmethanediisocyanate (MDI), important starting material for PUR-foam, intermediate product for other polymers and monomers	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2014-08-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	81-15-2	201-329-4	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Xylene musk is used in cosmetics and detergents as a fragrance or fragrance enhancer	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2014-08-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	79-06-1	201-173-7	Acrylamide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Acrylamide is used almost exclusively for the synthesis of polyacrylamides, which are then used in various applications, in particular in wastewater treatment and paper processing. The minor uses of acrylamide include the preparation of polyacrylamides for research and as cement material in civil engineering.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	120-12-7	204-371-1	Anthracene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	The use of anthracene in the EU is restricted to the manufacture of pyrotechnic articles and pharmaceutical products as well as their use for research purposes.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	90640-80-5	292-602-7	Anthracene oil	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Anthracene oils are mainly used in the manufacture of other materials such as anthracene and carbon black.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009 Sunset date: 04/10/2020
en	90640 81 6	292-603-2	Anthracene oil, anthracene paste	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Same as Above	REACH (EC) Verordnung No 1907/2006 Anhang 14 EG-REACH SVHC Kandidatenliste vom 2010-03-30 Entscheidungs-Nummer ED/68/2009
en	91995-15-2	295-275-9	Anthracene oil, anthracene paste, anthracene fraction	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Same as Above	REACH (EC) Verordnung No 1907/2006 Anhang 14 EG-REACH SVHC Kandidatenliste vom 2010-03-30 Entscheidungs-Nummer ED/68/2009

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en	91995-17-4	295-278-5	Anthracene oil, anthracene paste, distn. lights	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Same as Above	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	90640-82-7	292-604-8	Anthracene oil, anthracene-low	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Same as Above	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	85-68-7	201-622-7	Benzyl butyl phthalate (BBP)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Benzyl butyl phthalate is used as a plasticizer for PVC and other polymers to improve stretchability and mobility.	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-02-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	117-81-7	204-211-0	Bis(2-ethylhexyl)phthalate (DEHP)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Benzyl butyl phthalate is used as a plasticizer for PVC and other polymers to improve stretchability and mobility.	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-02-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	56-35-9	200-268-0	Bis(tributyl tin)oxide (TBTO)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	TBTO is used in antimicrobial products such as special paints, special coatings, polyurethane foams, upholstered furniture, down or special textiles.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	7646-79-9	231-589-4	Cobalt dichloride	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as a dye or for decolorizing in the production of inorganic pigments & frits, glass and ceramics, in varistors and magnets as well as in moisture meters	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	1303-28-2	215-116-9	Diarsenic pentaoxide	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Used in the paint industry, in metallurgy for the hardening of copper, lead and gold in alloys, in the production of special glass and in wood preservatives.	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-05-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	1327-53-3	215-481-4	Diarsenic trioxide	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Decolorizing agent for special glass & lead crystal, wood preservatives	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-05-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	84-74-2	201-557-4	Dibutyl phthalate (DBP)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Plasticizer, inks, resins, adhesives	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-02-21 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	84-69-5	201-553-2	Diisobutyl phthalate (DIBP)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Is used as plasticiser for nitrocellulose, cellulose ether, polyacrylate and polyacetate dispersions, and as a gelling aid in combination with other plasticisers, which are widely used for plastics, lacquers and adhesives	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-02-21 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	247-148-4 221-695-9	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: alpha-hexabromocyclododecane (a-HBCDD) beta-hexabromocyclododecane (B-HBCDD) gamma-hexabromocyclododecane	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Brominated flame retardant, e.g. in polystyrene, textiles	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-08-21 EG-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	7758-97-6	231-846-0	Lead chromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Is used for manufacturing pigments and dyes, and as a pigment or coating agent in industrial and maritime paint products or varnishes.	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-05-21 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	12656-85-8	235-759-9	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries.	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-05-21 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	7784-40-9	232-064-2	Lead hydrogen arsenate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Wood preservatives, Insecticide	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008

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en	1344-37-2	215-693-7	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries.	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-05-21 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	65996-93-2	266-028-2	Pitch, coal tar, high temp.	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Pitch, coal tar, high temperature is mainly used in the production of electrodes for industrial applications. Lower amounts are intended for specific uses such as high performance corrosion protection.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009 Sunset date: 04/10/2020
en	10588-01-9 7789-12-0	234-190-3	Sodium dichromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Chrome Yellow, Chromic Acid, Chromium Products	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008 (Sunset Date: 21/09/2017)
en	15606-95-8	-	Triethylarsenate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Stabilizer, PVC products (cables). Semiconductor industry, plant protection agents, wood preservatives.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	115-96-8	204-118-5	Tris(2-chloroethyl)phosphate (TCEP)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used as a softening additive and viscosity regulator with flame retardant properties for acrylic resins, polyurethane, polyvinyl chloride and other polymers. The industries that mainly use TCEP are the furniture, textile and construction industries	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2015-08-21 EU-REACH SVHC nomination listing of 2010-03-30 Decision number ED/68/2009
en	85535-84-8	287-476-5	Alkanes, C 10 -C 13 , chloro (short chain chlorinated paraffins)	PD	Prohibition as pure substance and > 0,1 [% weight by weight] in mixtures for metal working and metal processing and for greasing leather	Flame retardant, plasticizer, paints, plastics, rubber	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2008-10-28 Decision number ED/67/2008
en	79-01-6	201-167-4	Trichloroethylene	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Used in cleaners and in degreasing agents, dissolvent in glues	REACH (EC) Regulation No 1907/2006 appendix 14; Sunset date: 2016-04-21 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010
en	1330-43-4	215-540-4	Disodium tetraborate, anhydrous	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Detergents and cleaners, in glass and fiberglass, ceramics, industrial fluids, metallurgy, adhesives, flame retardants, personal care products, biocides and fertilizers	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010
en	7775-11-3	231-889-5	Sodium chromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Chromium metal production, coating of metals, used as an analytical agent in the laboratory and in the tanning of leather and in paints.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010 Sunset Date: 21/09/2017
en	7789-00-6	232-140-5	Potassium chromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Chromium metal production, coating of metals, used as an analytical agent in the laboratory and in the tanning of leather and in paints.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010 Sunset Date: 21/09/2017
en	7778-50-9	231-906-6	Potassium dichromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Potassium dichromate is used for the production of chromium metal and as a corrosion inhibitor in the treatment and coating of metals.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010 Sunset Date: 21/09/2017
en	10043-35-3 11113-50-1	233-139-2 234-343-4	Boric acid	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Boric acid is widely used for its consistency-controlling, flame-retardant, antiseptic and preservative properties.	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010
en	12267-73-1	235-541-3	Tetraboron disodium heptaoxide, hydrate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in glass, glass fibres, ceramics, cleaning agents, adhesives, flame retardants	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010
en	7789-09-5	232-143-1	Ammonium dichromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Ammonium dichromate is mainly used as an oxidizing agent	REACH (EC) Regulation No 1907/2006 appendix 14 EU-REACH SVHC nomination listing of 2010-06-18 Decision number ED/30/2010 Sunset Date: 21/09/2017

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en	10124-43-3	233-334-2	Cobalt(II) sulphate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Cobalt (II) sulfate is mainly used in the manufacture of other chemicals and pigments.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010
en	10141-05-6	233-402-1	Cobalt(II) dinitrate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Production of high purity cobalt and color pigment for ceramics	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010
en	513-79-1	208-169-4	Cobalt(II) carbonate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used in the production of catalysts.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010
en	71-48-7	200-755-8	Cobalt(II) diacetate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used in the production of catalysts or as a catalyst.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010
en	109-86-4	203-713-7	2-Methoxyethanol	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Solvent for paints, coatings and resins	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010
en	110-80-5	203-804-1	2-Ethoxyethano	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Use as solvent	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010
en	1333-82-0	215-607-8	Chromium trioxide	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	In electroplating, in wood preservatives, as a strong oxidizing agent	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010 Sunset date: 21/09/2017
en	7738-94-5 13530-68-2	231-801-5 236-881-5	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Chromium trioxide-derived acids and their oligomers are primarily used in metal finishing such as electroforming (e.g. hard chrome plating and decorative coating)	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2010-12-15 Decision number ED/95/2010 Sunset date: 21/09/2017
en	7646-79-9	231-589-4	Cobalt dichloride	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as a dye or for decolorizing in the production of inorganic pigments & frits, glass and ceramics, in varistors and magnets as well as in moisture meters	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011
en	71888-89-6	276-158-1	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	In the past, primarily as plasticizers in PVC and sealants, coatings and may be used in printing inks.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011 Sunset date: 04/07/2020
en	96-18-4	202-486-1	1,2,3-Trichloropropane	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate in the manufacture of chlorinated solvents and agricultural products. It is also used as a monomer. In the past, used as solvent, paint remover, as well as degreaser	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011
en	872-50-4	212-828-1	1-Methyl-2-pyrrolidone	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as a solvent in coatings, cleaning products, for the manufacture of electronic devices as well as in the semiconductor industry, the petrochemical processing, pharmaceuticals and agrochemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011
en	302-01-2 7803-57-8	206-114-9	Hydrazine	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate in the production of hydrazine, as a monomer in polymerization reactions, as a corrosion inhibitor in water treatment and metal reduction and refinement of chemicals.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011
en	68515-42-4	271-084-6	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	In the past, primarily as plasticizers in PVC, foam, adhesives	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011 Sunset date: 04/07/2020

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en	7789-06-2	232-142-6	Strontium chromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Use as a corrosion inhibitor in coating mixtures which are used in aviation and space sector, in the coil coating sector of steel and aluminum and in the automotive coating sector	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011 Sunset Date: 22/01/2019
en	111-15-9	203-839-2	2-Ethoxyethyl acetate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	In the past, mainly used as a solvent in coatings and in the chemical industry, but also as an intermediate in the manufacture of cyanacrylate adhesives	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-06-20 Decision number ED/31/2011
en	24613-89-6	246-356-2	Dichromium tris(chromate)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used in mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminium coating sectors.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/01/2019
en	11103-86-9	234-329-8	Potassium hydroxyoctaoxodizincatedi-chromate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used in coatings in the aeronautic/ aerospace, steel and aluminium coil coating and vehicle coating sectors.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/01/2019
en	49663-84-5	256-418-0	Pentazinc chromate octahydroxide	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Especially in areas of vehicle coating and coating in the aviation industry	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/01/2019
en	-	650-017-00-8	Aluminosilicate Refractory Ceramic Fibres (RCF)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Refractory ceramic fibres are 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).	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	-	650-017-00-8	Zirconia Refractory Ceramic Fibres (Zr-RCF)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Refractory ceramic fibres are 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).	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	25214-70-4	500-036-1	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used for manufacture of other substances. Minor uses are as hardener for epoxy resins, e.g. for the production of rolls, pipes and moulds and for adhesives.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/08/2017
en	117-82-8	204-212-6	Bis(2-methoxyethyl) phthalate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Main uses in the past were as plasticiser in polymeric materials and paints, lacquers and varnishes, printing inks	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset date: 04/07/2020
en	90-04-0	201-963-1	2-Methoxyaniline; o-Anisidine	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Mainly used in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminium foil.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	140-66-9	205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Mainly used in the manufacture of polymer preparations and of ethoxylates. Further used as a component in adhesives, coatings, inks and rubber articles.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	107-06-2	203-458-1	1,2-Dichloroethane	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmaceutical industry.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/11/2017
en	111-96-6	203-924-4	Bis(2-methoxyethyl) ether	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Used primarily as a reaction solvent or process chemical in a wide variety of applications. Used also as solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/08/2017
en	7778-39-4	231-901-9	Arsenic acid	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset Date: 22/08/2017

en **List of prohibited hazardous substances**



en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	7778-44-1	231-904-5	Calcium arsenate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Calcium arsenate is present in complex raw materials (which are by-products of metallurgical processes), which are mainly used for copper and lead refining. The material is used to deposit nickel from molten metal and to produce diarsenic trioxide. However, most of the substance appears to be disposed of as waste.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	3687-31-8	222-979-5	Trilead diarsenate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Trilead diarsenate is found in complex raw materials for the production of copper, lead and a range of precious metals. The trilead diarsenate contained in the raw materials is converted into calcium arsenate and diarsenic trioxide in the metallurgical refining process. While most of the calcium arsenate appears to be disposed of as waste, the diarsenic trioxide continues to be used.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	127-19-5	204-826-4	N,N-dimethylacetamide (DMAC)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used as solvent, mainly in the manufacture of various substances and in the production of fibres for clothing and other applications.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	101-14-4	202-918-9	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Mainly used as curing agent in resins and in the production of polymer articles	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011 Sunset date: 22/11/2017
en	77-09-8	201-004-7	Phenolphthalein	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	13424-46-9	236-542-1	Lead azide; Lead diazide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	15245-44-0	239-290-0	Lead styphnate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices and detonators for civilian use.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	6477-64-1	229-335-2	Lead dipicrate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Lead dipicrate is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead compounds.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2011-12-19 Decision number ED/77/2011
en	6786-83-0	229-851-8	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is mainly used for the formulation of printing inks and writing inks, for dyeing paper and in mixtures, such as disc detergents.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	101-61-1	202-959-2	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is used as an intermediate in the preparation of dyes and other substances.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	59653-74-6	423-400-0	1,3,5-tris[[2S and 2R]-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	PD	Prohibited for developing new materials or exposure level > 0.05 mg/m <sup>3</sup> - 0.1 mg/m <sup>3</sup>	Is used mainly in the EU as a solder resist. Is also used in electrical insulation material, resin molding systems, composite panels, screen printing, in coatings, tools, adhesives, lining material and stabilizers for plastics.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	1303-86-2	215-125-8	Diboron trioxide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is widely used, for example, glass and fiber glass, frits, ceramics, flame retardants, catalysts, industrial fluids, in metallurgy, in the nuclear sector and in electrical equipment, adhesives, paints / coatings, film processing solutions, detergents and cleaning agents, reagents, biocides and insecticides.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	112-49-2	203-977-3	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	PD	Prohibited for developing new materials or generic concentration limit of 0.3%.	Used mainly as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	561-41-1	209-218-2	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is used for the formulation of inks and writing inks and other inks, also for dyeing of various materials.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	17570-76-2	401-750-5	Lead(II) bis(methanesulfonate)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Primarily used in (electrolytic and currentless) plating for electronic components (such as printed circuit boards).	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	75-12-7	200-842-0	Formamide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used mainly as an intermediate in the production of agro-chemical products, pharmaceuticals and industrial chemicals. The substance appears to be used as a plasticizer.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	548-62-9	208-953-6	[4-{4,4'-bis(dimethylamino) benzhydrylidene}cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is used primarily for dyeing paper and for ink cartridges	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	110-71-4	203-794-9	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals, including use as an electrolyte solvent in lithium batteries.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	2580-56-5	219-943-6	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride <i>(C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]</i>	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is used for the formulation of paints, coatings and detergents, dyeing of paper, packaging, textiles, plastic products and other types of products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	2451-62-9	219-514-3	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used primarily as a hardener in coatings and resins	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	90-94-8	202-027-5	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Is used as an intermediate in the manufacture of triphenylmethane dyes and other substances. Other potential uses as an additive (photosensitizer) in paints and pigments, in dry film products, and as a process chemical in the production of electronic circuit boards.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-06-18 Decision number ED/87/2012
en	8012-00-8	232-382-1	Pyrochlore, antimony lead yellow	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in coatings, paints, thinners, paint removers, inks and toners	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	120-71-8	204-419-1	6-methoxy-m-toluidine (p-cresidine)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used as intermediate in manufacture of fine chemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	2058-94-8	218-165-4	Henicosalfuorundecanoic acid	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Process implement and additive for multiple applications. Additive for production of paints/varnishes; detergents, degreasing agents, water-repellent for corrosion inhibitor systems	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride <i>[The individual isomers and including their cis- and trans- stereo isomeric forms and all possible combinations of the isomers are covered by this entry]</i>	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Industrial use resulting in manufacture of another substance (use of intermediates). Use of monomers for manufacture of thermoplastics, use of process regulators for polymerisation processes in production of resins, rubbers, polymers	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	Cyclohexane-1,2-dicarboxylic anhydride; cis-cyclohexane-1,2-dicarboxylic anhydride; trans-cyclohexane-1,2-dicarboxylic anhydride <i>[The individual cis- and trans- isomer substances and all possible combinations of the cis- and trans-isomers are covered by this entry]</i>	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as hardener for epoxy resins, manufacture of resins, use as intermediate in chemical synthesis or process, manufacture of chemicals (including petroleum products). Industrial use of monomers for manufacture of thermoplastics	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	211-670-0	683-18-1	Dibutyltin dichloride (DBTC)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Industrial use resulting in manufacture of another substance (use of intermediates) Use as an additive for the production of rubber tyres	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	13814-96-5	237-486-0	Lead bis(tetrafluoroborate)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in metal surface treatment products, including galvanic and electroplating products non-metal-surface treatment products, in laboratory chemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	10099-74-8	233-245-9	Lead dinitrate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in the manufacture of fine chemicals, manufacture of computer, electronic and optical products, electrical equipment	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	11120-22-2	234-363-3	Silicic acid, lead salt	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in glass and ceramic articles	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	60-09-3	200-453-6	4-Aminoazobenzene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as intermediate	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	12626-81-2	235-727-4	Lead titanium zirconium oxide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in the manufacture of computer, electronic and optical products, electrical equipment	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	1317-36-8	215-267-0	Lead monoxide (lead oxide)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Manufacture of computer, electronic and optical products, electrical equipment, used in general manufacturing, e.g. machinery, equipment, vehicles, other transport equipment, electrical batteries and accumulators, used in crystal glass production, in manufacture of rubber protection	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	95-53-4	202-429-0	o-Toluidine	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as intermediate and laboratory reagent	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	143860-04-2	421-150-7	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Oxazolidine are used as microbicides in lubricants and as latent hardeners in air moisture-hardening polyurethan systems	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	68784-75-8	272-271-5	Silicic acid (H2Si2O5), barium salt (1:1)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in coatings and paints, thinners, paint removers	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	1319-46-6	215-290-6	Trilead bis(carbonate)dihydroxide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate, use in the semiconductor industry	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	110-00-9	203-727-3	Furan	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use for manufacture of other chemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	68-12-2	200-679-5	N,N-dimethylformamide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as laboratory reagent and intermediate	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	-	-	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxy/ated (covering well-defined substances and UVCB substances, polymers and homologues)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in coatings and paints, thinners, paint removers, in adhesives, sealants	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	-	-	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in coatings and paints, thinners, paint removers, in adhesives, sealants	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	838-88-0	212-658-8	4,4'-methylenedi-o-toluidine	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012



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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	64-67-5	200-589-6	Diethyl sulphate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate in the chemical industry	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	77-78-1	201-058-1	Dimethyl sulphate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate in the chemical industry	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	12036-76-9	234-853-7	Lead oxide sulfate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in manufacture of plastics products, including compounding and conversion	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	12060-00-3	235-038-9	Lead titanium trioxide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in manufacture of computer, electronic and optical products, electrical equipment	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	51404-69-4	257-175-3	Acetic acid, lead salt, basic	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as laboratory reagent , use in manufacture of computer, electronic and optical products, electrical equipment	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	69011-06-9	273-688-5	[Phthalato(2-)]dioxotrilead	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in manufacture of plastics products, including compounding and conversion	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	1163-19-5	214-604-9	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Flame retardants in circuit boards and plastic parts, housing of electric and electronic products, electronic component products as connectors, switches, isolation material for cables and wires	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	79-16-3	201-182-6	N-methylacetamide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as laboratory reagent	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	88-85-7	201-861-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in the manufacture chemicals (including petroleum products), manufacture of plastics, including compounding and conversion	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	629-14-1	211-076-1	1,2-Diethoxyethane	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Zwischenprodukt in der chemischen Industrie und Verwendung als Lösungsmittel	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	12202-17-4	235-380-9	Tetralead trioxide sulphate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in the manufacture of rubber products, in manufacture of computer, electronic and optical products, electrical equipment, use in batteries	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	776297-69-9	933-378-9	N-pentyl-isopentylphthalate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Plasticizer for plastics e.g. PVC (similar to DEHP).	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012 Sunset date: 04/07/2020
en	12578-12-0	235-702-8	Dioxobis(stearato)trilead	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in the manufacture of plastics products for industrial and consumer use	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	78-00-2	201-075-4	Tetraethyllead	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an additive in motor and aviation gasoline	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	12065-90-6	235-067-7	Pentalead tetraoxide sulphate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in electrical batteries and accumulators, in plastic articles, use in manufacture of computer, electronic and optical products, electrical equipment	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	72629-94-8	276-745-2	Pentacosfluorotridecanoic acid	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Process implement and additive for multiple applications. Additive for production of paints/varnishes; detergents, degreasing agents, water-repellent for corrosion inhibitor systems	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	307-55-1	206-203-2	Tricosfluorododecanoic acid	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Process implement and additive for multiple applications. Additive for production of paints/varnishes; detergents, degreasing agents, water-repellent for corrosion inhibitor systems	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	376-06-7	206-803-4	Heptacosfluorotetradecanoic acid	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Process implement and additive for multiple applications. Additive for production of paints/varnishes; detergents, degreasing agents, water-repellent for corrosion inhibitor systems	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	106-94-5	203-445-0	1-bromopropane (n-propyl bromide)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Use in washing and cleaning products (including solvent based products), extraction agents	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012 Sunset date: 04/07/2020
en	625-45-6	210-894-6	Methoxyacetic acid	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate in manufacture of fine chemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	95-80-7	202-453-1	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as an intermediate in manufacture of chemicals (petroleum products)	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	75-56-9	200-879-2	Methyloxirane (Propylene oxide)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as intermediate in the manufacture of substances, industrial use for manufacture of thermoplastics, manufacture of chemicals (petroleum products)	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	12141-20-7	235-252-2	Trilead dioxide phosphonate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in plastic articles, electrical batteries and accumulators	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	97-56-3	202-591-2	o-aminoazotoluene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in paints and varnishes	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	84777-06-0	284-032-2	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Use in cosmetic articles	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012 Sunset date: 04/07/2020
en	101-80-4	202-977-0	4,4'-oxydianiline and its salts	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Monomer in imported polymer, use as intermediate in manufacture of chemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	1314-41-6	215-235-6	Orange lead (lead tetroxide)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in the manufacture of batteries, rubber and plastic articles, ceramic and crystal glass products, used for repair of television sets, computer monitors and other devices containing cathode ray tube, used in coatings and paints, thinners, paint removes	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	92-67-1	202-177-1	Biphenyl-4-ylamine	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Presumably used as an intermediate only	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	605-50-5	210-088-4	Diisopentyl phthalate	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	Used in the manufacture of propellants and explosives and to coat them to regulate rate of burn	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012 Sunset date: 04/07/2020
en	91031-62-8	292-966-7	Fatty acids, C16-18, lead salts	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in manufacture of plastic products, including compounding and conversion	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	123-77-3	204-650-8	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use in manufacture of plastic products, manufacture of construction chemicals, manufacture of coatings and inks, use as laboratory reagent	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	62229-08-7	263-467-1	Sulfurous acid, lead salt, dibasic	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Manufacture of plastics products, including compounding and conversion	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	20837-86-9	244-073-9	Lead cyanamidate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Production process of the substance and use as a surface treatment of products, mainly for metals in surface treatment processes like electroplating.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2012-12-19 Decision number ED/169/2012
en	7440-43-9	231-152-8	Cadmium	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Many common industrial uses as it is a key component in battery production, is present in cadmium pigments, coatings and is commonly used in electroplating	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-06-20 Decision number ED/69/2013
en	3825-26-1	223-320-4	Ammonium pentadecafluorooctanoate (APFO)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in insulators for electric wires, fire fighting foam and outdoor clothing	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-06-20 Decision number ED/69/2013
en	335-67-1	206-397-9	Pentadecafluorooctanoic acid (PFOA)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in insulators for electric wires, fire fighting foam and outdoor clothing, carpet-care liquids, home textiles, industrial floor wax and wax removers, sealants	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-06-20 Decision number ED/69/2013
en	131-18-0	205-017-9	Dipentyl phthalate (DPP)	P	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit/ Subject to authorization after sunset date	As plasticizers in PVC products, children's toys	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-06-20 Decision number ED/69/2013 Sunset date: 04/07/2020
en	-	-	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	In washings, textiles	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-06-20 Decision number ED/69/2013
en	1306-19-0	215-146-2	Cadmium oxide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as a glass additive and as catalyst in hydrogenation and dehydrogenation of organic synthetic chemistry	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-06-20 Decision number ED/69/2013
en	1306-23-6	215-147-8	Cadmium sulphide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Part of production of anorganic pigments, additive of production of electronic parts	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013
en	1937-37-7	217-710-3	Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 36)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Use as a pigment in textile colours and other paints	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013
en	84-75-3	201-559-5	Dihexyl phthalate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Plasticizers for cellulose and vinyl plastics	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	96-45-7	202-506-9	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Common use as vulcanization accelerator in chloroprene- and polyacrylate rubber articles	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013
en	25155-23-1	246-677-8	Trixylyl phosphate	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Multiple use as a chemical in industry ( flame retardant, implemental for metal treatment engineering, lubricants, hydraulic oil, plasticizers)	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013
en	573-58-0	209-358-4	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Use as a pigment in textile dyes and other paints	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013
en	301-04-2	206-104-4	Lead di(acetate)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Common industrial use in coatings ang paints, thinners, paint remover, filling compounds, putties, modelling compound	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2013-12-16 Decision number ED/121/2013
en	68515-50-4	271-093-5	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DIHP)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Used as lubricant in steering fluid and as plasticizers in plastics and coatings	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014-06-16 Decision number ED/49/2014
en	-	239-172-9 234-390-0	Sodium perborate; perboric acid, sodium salt	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Used as intermediate in chemical reactions and as bleaching agent mainly in household and professional detergents.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014-06-16 Decision number ED/49/2014
en	7632-04-4	231-556-4	Sodium peroxometaborate	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Used as bleaching agent in laundry detergents and machine dishwashing products as well as in household cleaners.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014-06-16 Decision number ED/49/2014
en	10108-64-2	233-296-7	Cadmium chloride	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	Cadmium chloride is used for preparation of other chemicals, in laboratory, and also for photocopying, dyeing and electroplating.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014-06-16 Decision number ED/49/2014
en	3846-71-7	223-346-6	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	<ul style="list-style-type: none"> <li>+UV stabilizer</li> <li>+UV absorbers</li> <li>+UV screening agent</li> </ul>	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014- 12-17 Decision number ED/108/2014
en	15571-58-1	239-622-4	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	<ul style="list-style-type: none"> <li>+Base material for preparing of "Reaction mass of 2-Ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate und 2-Ethylhexyl-10-ethyl-4-[2-[[2-ethylhexyl]oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate ("Reaction mass of DOTE and MOTE)</li> <li>+Use in the plastics processing</li> <li>+Industrial use</li> </ul>	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014- 12-17 Decision number ED/108/2014
en	-	-	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[[2-ethylhexyl]oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	<ul style="list-style-type: none"> <li>+Heat stabilisation of PVC</li> <li>+Use in the plastics processing</li> <li>+Industrial use</li> </ul>	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014- 12-17 Decision number ED/108/2014
en	25973-55-1	247-384-8	2-(2H-benzotriazol-2-yl)-4,6-diterpentyphenol (UV-328)	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	<ul style="list-style-type: none"> <li>+UV stabilizer</li> <li>+UV absorbers</li> <li>+UV screening agent</li> </ul>	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014- 12-17 Decision number ED/108/2014
en	7790-79-6	232-222-0	Cadmium fluoride	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	<ul style="list-style-type: none"> <li>+Research</li> <li>+Production of glass</li> <li>+High-temperature dry film lubricant</li> <li>+optical electronics</li> <li>+Solar panels</li> </ul>	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014- 12-17 Decision number ED/108/2014
en	10124-36-4 31119-53-6	233-331-6	Cadmium sulphate	PD	Prohibited for developing new materials or material alterations > 0,1 [ % weight by weight] declaration limit	<ul style="list-style-type: none"> <li>+Component for the preparation of inorganic cadmium compounds</li> <li>+Raw material for the surface treatment of metals</li> <li>+Lab chemicals</li> </ul>	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2014- 12-17 Decision number ED/108/2014

en **List of prohibited hazardous substances**



en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	6851-51-5 68648-93-1	271-094-0 272-013-1	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201 559-5)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Plasticisers and lubricants, including use in adhesives, coatings, building material, cable compounding, polymer foils, PVC compounds and artist supply (e.g. modelling clay and finger paints).	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 06-15 Decision number ED/39/2015
en	-	-	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Fragrances	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 06-15 Decision number ED/39/2015
en	375-95-1 21049-39-8 4149-60-4	206-801-3	Perfluorononan-1-ic-acid and its sodium and ammonium salts	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Processing aid for fluoropolymer manufacture/lubricating oil additive/surfactant for fire extinguishers/cleaning agent/textile antifouling finishing agent/polishing surfactant/waterproofing agents and in liquid crystal display panels	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 12-17 Decision number ED/79/2015
en	98-95-3	202-716-0	Nitrobenzene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Manufacture of other substances	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 12-17 Decision number ED/79/2015
en	36437-37-3	253-037-1	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 12-17 Decision number ED/79/2015
en	3864-99-1	223-383-8	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 12-17 Decision number ED/79/2015
en	1120-71-4	214-317-9	1,3-propanesultone	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Intermediate for the preparation of fine and bulk chemicals; electrolyte fluid of lithium ion batteries	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2015- 12-17 Decision number ED/79/2015
en	50-32-8	200-028-5	Benzo[def]chrysene (benzo[a]pyrene)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2016- 06-20 Decision number ED/21/2016
en	80-05-7	201-245-8	4,4'-isopropylidenediphenol (Bisphenole A; BPA)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	For the preparation of epoxides and epoxy hardeners (industrial and professional applications), coating material, for the production of polymers, e.g. Polycarbonates and PVC; Use in thermal paper (industrial, professional and consumer)	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2017- 01-12 Decision number ED/01/2017
en	--	--	4-heptylphenol, branched and linear	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Monomer for the preparation of polymers	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2017- 01-12 Decision number ED/01/2017
en	335-76-2 3108-42-7 3830-45-3	206-280-9 221-470-5 -	Nonadecafluorodecanoic acid (PFDA) and it's sodium and ammonium salts	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	e.g. as a corrosion inhibitor, lubricant, plasticizer	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2017- 01-12 Decision number ED/01/2017
en	80-46-6	201-280-9	p-(1,1-dimethylpropyl)phenol 4-tert-Pentylphenol (PTAP)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	4-tert-pentylphenol is used at industrial sites for the production of perfumes and fragrances and as a monomer in the production of polymers (phenolic resins). Formulation of adhesives, coatings, printing inks, paints.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 2017- 01-12 Decision number ED/01/2017
en	--	--	Perfluorohexane-1-sulfonic acid and ist salts (PFHxS)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Industrial use: plasticiser, lubricant, surfactant, wetting agent, corrosion inhibitor and in fire fighting foams	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 07/07/2017 Decision number ED/30/2017
en	Substance group	--	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit		REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018

en **List of prohibited hazardous substances**



en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	Substance group/ 13560-89-9	Substance group/ 236-948-9	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02,13.05.10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used as a flame retardant in adhesives, sealants and plastics as well as in binders.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018
en	218-01-9 1719-03-5	205-923-4	Chrysene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018
en	10022-68-1 10325-94-7	233-710-6	Cadmium nitrate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in laboratory chemicals and for the manufacture of glass, porcelain and ceramic products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018
en	21041-95-2	244-168-5	Cadmium hydroxide	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in laboratory chemicals and for the manufacture of electrical, electronic and optical equipment.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018
en	513-78-0	208-168-9	Cadmium carbonate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used as a pH regulator and in water treatment products, laboratory chemicals, cosmetics and personal care products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018
en	56-55-3 1718-53-2	200-280-6	Benz[ <i>a</i> ]anthracene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2018 Decision number ED/01/2018
en	556-67-2	209-136-7	Octamethylcyclotetrasiloxane (D4)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in washing and cleaning products, polishes and waxes and cosmetics and personal care products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	541-02-6	208-764-9	Decamethylcyclopentasiloxane (D5)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in washing and cleaning products, polishes and waxes, cosmetics and personal care products, textile treatment products and dyes.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	540-97-6	208-762-8	Dodecamethylcyclohexasiloxane (D6)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in washing and cleaning products, polishes and waxes, cosmetics and personal care products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	7439-92-1	231-100-4	Lead	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in metals, welding and soldering products, metal surface treatment products and polymers	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	12008-41-2	234-541-0	Disodium octaborate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in anti-freeze products, heat transfer fluids, lubricants and greases, and washing and cleaning products	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	191-24-2	205-883-8	Benzo[ <i>ghi</i> ]perylene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	61788-32-7	262-967-7	Terphenyl hydrogenated	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used as a plastic additive, solvent, in coatings/inks, in adhesives and sealants, and heat transfer fluids.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	107-15-3	203-468-6	Ethylenediamine (EDA)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, pH regulators and water treatment products.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018

# List of prohibited hazardous substances



en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	552-30-7	209-008-0	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in the manufacture of esters and polymers.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	84-61-7	201-545-9	Dicyclohexyl phthalate (DCHP)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Used in plastisol, PVC, rubber and plastic articles. A further use is also as a phlegmatizer and dispersing agent for formulations of organic peroxides.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 27/06/2018 Decision number ED/61/2018
en	15087-24-8	239-139-9	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	as a UV filter in sunscreen and other cosmetics	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2019 Decision number ED/88/2018
en	207-08-9	205-916-6	Benzo[k]fluoranthene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Binder for refractory material	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2019 Decision number ED/88/2018
en	6807-17-6	401-720-1	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Suspected use: production of thermal paper	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2019 Decision number ED/88/2018
en	206-44-0	205-912-4	Fluoranthene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Binder for refractory material	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2019 Decision number ED/88/2018
en	85-01-8	201-581-5	Phenanthrene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Binder for refractory material	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2019 Decision number ED/88/2018
en	129-00-0	204-927-3	Pyrene	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	As a transported intermediate in the production of fine chemicals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 15/01/2019 Decision number ED/88/2018
en	98-54-4	202-679-0	4-tert-butylphenol	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Mainly used in the phenolic / epoxy resin industry as an intermediate in polymers. Use in coating materials, polymers, adhesives, sealants and in the synthesis of other substances.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/07/2019 Decision number ED/71/2019
en	110-49-6	203-772-9	2-methoxyethyl acetate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	2-Methoxyethyl acetate is used, inter alia, as a solvent for rubber, resins, waxes and oils and for the production of semiconductors. Applications in paints, coatings, printing inks, surface coatings, semiconductors, paper, acetate adhesive;	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/07/2019 Decision number ED/71/2019
en	--	--	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	TNPP is mainly used as an antioxidant to stabilize polymers.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/07/2019 Decision number ED/71/2019
en	--	--	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Processing aid in the production of fluorinated polymers.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/07/2019 Decision number ED/71/2019
en	--	--	Perfluorobutane sulfonic acid (PFBS) and its salts	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Catalyst in polymer production and chemical synthesis as well as a flame retardant in polycarbonate (in electronic devices)	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/01/2020 Decision number ECHA/01/2020
en	71850-09-4	276-090-2	Diisohexyl phthalate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Plasticizers in polymers, sealing materials, etc.	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/01/2020 Decision number ECHA/01/2020

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	71868-10-5	400-600-6	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Photoinitiator in polymer production. Main applications are in high-speed offset and flexo inks, UV ink-jet, etch resists, printing plates	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/01/2020 Decision number ECHA/01/2020
en	119313-12-1	404-360-3	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Production of printing inks and surface coatings based on acrylates polymerized by UV radiation	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 16/01/2020 Decision number ECHA/01/2020
en	22673-19-4	245-152-0	Dibutylbis(pentane-2,4-dionato-O,O')tin	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Manufacture of: textile, leather or fur, wood and wood products, pulp, paper and paper products, rubber products, plastic products, electrical, electronic and optical equipment and machinery and vehicles	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 25/06/2020 Decision number D(2020)4578-DC
en	94-26-8	202-318-7	Butyl 4-hydroxybenzoate	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	Cosmetics and personal care products and pharmaceuticals	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 25/06/2020 Decision number D(2020)4578-DC
en	693-98-1	211-765-7	2-methylimidazole	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	This substance is used in the following products: coating products. Release to the environment of this substance can occur from industrial use: formulation of mixtures	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 25/06/2020 Decision number D(2020)4578-DC
en	1072-63-5	214-012-0	1-vinylimidazole	PD	Prohibited for developing new materials or material alterations > 0,1 [% weight by weight] declaration limit	This substance is used in the following products: polymers	REACH (EC) Regulation No 1907/2006 EU-REACH SVHC nomination listing of 25/06/2020 Decision number D(2020)4578-DC
en	61788-33-8	--	Polychlorinated Tetraphenyls (PCT)	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Insulation fluid in electrical systems, switch boards, transformers and condensers, as softening agent for wood and paper impregnation	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	75-01-4	200-831-0	Chloroethene (Vinyl chloride)	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Propellant for aerosols, residual monomer in polymers	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	126-72-7	--	Ti (2,3-dibromopropyl) phosphate	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Flame retardant	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	71-43-2	200-753-7	Benzene	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Fuels, solvents for latex enamels, reactants for various chemicals	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Asbestos	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Building materials, friction pads, gaskets, insulations, thermal insulation material, brake and clutch linings, protective clothing	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	545-55-1	208-892-5	Tris (aziridinyl) phosphine oxide	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	In articles	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	59536-65-1	--	Polybrominated biphenyls; polybrominated biphenyls (PBB)	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	In articles	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	91-59-8	202-080-4	2-naphthylamine and its salts	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	Textile and leather dyes, antioxidants in polymeres, Intermediate dye products	REACH Regulation (EC) No 1907/2006 (Annex XVII)



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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	92-87-5	--	Benzidine and its salts	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Possible impurities in certain dyes (Kongo-,benzidine dyes) for natural textiles, textile and leather dyes. Antioxidants in rubber and elastomers.	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	92-93-3	202-204-7	4-nitrophenyl	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures		REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	92-67-1	--	4-aminobiphenyl, xerilamine and its salts	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Impurities in textile and leather dyes, antioxidants in lubricants, rubber, plastics	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	598-63-0	--	Water-free neutral lead carbonate	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Used in dyes	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	1319-46-6	--	Lead hydroxide carbonate	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Used in dyes	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	7446-14-2 and 15739-80-7	--	Lead sulphate	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Used in dyes	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Mercury or ist compounds	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Anti-fouling paints, impregnation for wood and industrial textiles, water treatment	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Arsenic or its compounds	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions		REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	--	Organo-tin compounds	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Anti-fouling paints, water treatment	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	75113-37-0	401-040-5	Di- $\mu$ -oxo-di-n-butylstannio-hydroxyborane (DBB) (Di-butyl-tin hydrogen borate)	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Anti-fouling paints, water treatment	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	87-86-5	201-778-6	Pentachlorophenol and its salts and esters	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures		REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Cadmium or its compounds	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions		REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	76253-60-6	602-072-00-4	Monomethyl-tetrachlorodiphenyl methane (Uglic141)	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Residues and degradation products from production of polymers	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	81161-70-8	607-204-00-4	Monomethyl-dichloro-diphenyl methane (Uglic121 or Uglic21)	P	Prohibited as pure substance and 0.1 [% by weight] in mixtures	Residues and degradation products from production of polymers	REACH Regulation (EC) No 1907/2006 (Annex XVII)

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	99688-47-8	602-071-00-9	Monomethyl-dibromo-diphenyl methane (DBBT)	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	Residues and degradation products from production of polymers	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Nickel or its compounds	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Must not be used in applications with direct and prolonged skin contact and where the rate of nickel release is > 0.5 micro gms per cm2 per week	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	67-72-1	200-666-4	Hexachloroethane	P	Shall not be placed on the market or used as a substance or in mixtures for the manufacture or processing of non-ferrous metals	Production and processing of non-ferrous metals	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Azo dyes	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	In dyes for of textiles and leather	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	120-82-1	204-428-0	Trichlorobenzene	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	In products	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	a) 50-32-8 b) 192-97-2 c) 56-55-3 d) 218-11-8	a) 612-042-00-2	Polycyclic aromatic hydrocarbons (PAH) a) Benzo(a)pyrene (BaP) b) Benzo(e)pyrene (BeP) c) Benz(a)anthracene (BaA) d) Chrysene (CHR) e) Benzo(b)fluoranthene (BbFA)	P	(1,0 mg/kg; is equal to 1ppm/ 0,0001% w/w)	In articles	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	79-06-1		Acrylamide	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions	Acrylamide is used almost exclusively for the synthesis of polyacrylamides, which are then used in various applications, in particular in wastewater treatment and paper processing. The minor uses of acrylamide include the preparation of polyacrylamides for research and as cement material in civil engineering.	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	624-49-7	210-849-0	Dimethyl Fumarate (DMF)	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	Biozide	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	62-38-4	200-532-5	Phenylmercury acetate	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	In products	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	103-27-5	203-094-3	Phenylmercury propionate	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	In products	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	13302-00-6	236-326-7	Phenylmercury-2-Ethylhexanoate	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	In products	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	13864-38-5	-	Phenylmercury octanoate	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	In products	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	26545-49-3	247-783-7	Phenylmercury neodecanoate	P	Prohibited as pure substance and 0,1 [% by weight] in mixtures	In products	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	80-05-7	201-245-8	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	P	May not be placed on the market in thermal paper in a concentration of $\geq 0,02\%$ by weight after 2 January 2020	For use in thermal paper (industrial, professional and consumer)	REACH Regulation (EC) No 1907/2006 (Annex XVII)

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	335-67-1	206-397-9	Pentadecafluorooctanoic acid (PFOA) and its salts	P	For substances and preparations there is a restriction or a prohibition acc. to the REACH Regulation (EC) Nr. 1907/2006, Annex XVII - The applicable legal text must be observed for any applications or exceptions - 1. May not be manufactured or placed on the market as a substance after July 4, 2020	Used in insulators for electric wires, fire fighting foam and outdoor clothing, carpet-care liquids, home textiles, industrial floor wax and wax removers, sealants	REACH Regulation (EC) No 1907/2006 (Annex XVII)
en	Substance group	Substance group	Lead (Pb) and its compounds	P	0.1 [w/w % in homogeneous material]	Solders, hybrid circuits, stabilizing agents in plastics, alloys	RoHS Directive 2011/65/EU, Annex II (Exemptions are listed in Annex III and IV)
en	Substance group	Substance group	Cadmium (Cd) or its compounds	P	0.01 [w/w % in homogeneous material]	Surface protection of metals, stabilizers in polymers, pigments in paints and plastics, electrical contacts	RoHS Directive 2011/65/EU, Annex II (Exemptions are listed in Annex III and IV)
en	Substance group	Substance group	Mercury (Hg) and its compounds	P	0.1 [w/w % in homogeneous material]	Glow-discharge lamps, electrical switches	RoHS Directive 2011/65/EU, Annex II (Exemptions are listed in Annex III and IV)
en	Substance group	Substance group	Hexavalent Chromium (Cr6+) and its compounds	P	0.1 [w/w % in homogeneous material]	Coatings, colorants in plastics, technical tubes	RoHS Directive 2011/65/EU, Annex II
en	Substance group	Substance group	Polybrominated Biphenyls (PBB's)	P	0.1 [w/w % in homogeneous material]	Flame retardants in circuit boards and plastic parts	RoHS Directive 2011/65/EU, Annex II
en	Substance group	Substance group	Polybrominated diphenyl ether (PBDE)	P	0.1 [w/w % in homogeneous material]	Flame retardants in circuit boards and plastic parts	RoHS Directive 2011/65/EU, Annex II
en	117-81-7	--	Bis(2-ethylhexyl) phthalate (DEHP)	P	0.1 [w/w % in homogeneous material]	Softeners in plastics	COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances
en	85-68-7	--	Butyl benzyl phthalate (BBP)	P	0.1 [w/w % in homogeneous material]	Softeners in plastics	COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances
en	84-74-2	--	Dibutyl phthalate (DBP)	P	0.1 [w/w % in homogeneous material]	Softeners in plastics	COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances
en	84-69-5	--	Diisobutyl phthalate (DIBP)	P	0.1 [w/w % in homogeneous material]	Softeners in plastics	COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances
en	1336-36-3 and others	602-039-00-4 215-648-1 and others	Polychlorinated Biphenyls (PCB)	P	Concentration limit: 50 ppm	Insulation fluid in electrical systems, switch boards, transformers and condensers, as softening agent for wood and paper impregnation	REGULATION (EC) No. 2019/1021 "Persistent Organic Pollutants" (The applicable legal text must be observed for any applications or exemptions) Stockholm Convention on Persistent Organic Pollutants
en	Substance group	--	Polychlorinated Naphthalenes (PCN)	P		PCN have insecticidal and fungicidal activity and are used in wood preservatives. In addition, PCN are used as substitutes for PCB (see polychlorinated biphenyls) used in synthetic resins and sealants for flame retardancy and as a plasticizer.	REGULATION (EC) No. 2019/1021 "Persistent Organic Pollutants" (The applicable legal text must be observed for any applications or exemptions) Stockholm Convention on Persistent Organic Pollutants
en	85535-84-8	287-476-5	Alkanes, C10-13, Chlorine (Short-chain chlorinated paraffins)	P		SCCPs are used for manufacture of rubber articles, coatings of textiles, sealants, glues and inks, as well as plasticizers with flame retardant properties.	REGULATION (EC) No. 2019/1021 "Persistent Organic Pollutants" (The applicable legal text must be observed for any applications or exemptions) Stockholm Convention on Persistent Organic Pollutants

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en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en	Substance group	--	Perfluorooctane sulfonates (PFOS) C8F17SO2X (X = OH, Metal salt (X= OM), halides, amides, and other derivatives including polymers)	P		Galvanic processes, surface treatment of metals and plastics. (Elastomers, impregnation of textiles, carpets and paper, chrome-plating, photography, fire-fighting foams, hydraulic fluids)	REGULATION (EC) No. 2019/1021 "Persistent Organic Pollutants" (The applicable legal text must be observed for any applications or exemptions)  Stockholm Convention on Persistent Organic Pollutants
en	Substance Group	--	'chlorofluorocarbons' means the controlled substances listed in Group I and Group II of Annex I, including their isomers;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	Substance Group	--	'halons' means the controlled substances listed in Group III of Annex I, including their isomers;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	56-23-5	--	'carbon tetrachloride' means the controlled substance specified in Group IV of Annex I;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	71-55-6	--	'methylchloroform' means the controlled substance specified in Group V of Annex I;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	74-83-9	--	'methyl bromide' means the controlled substance specified in Group VI of Annex I;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	Substance Group	--	'hydrobromofluorocarbons' means the controlled substances listed in Group VII of Annex I, including their isomers;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	Substance Group	--	'hydrochlorofluorocarbons' means the controlled substances listed in Group VIII of Annex I, including their isomers;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	74-97-5	--	'Bromochloromethane' means the controlled substance specified in Group IX of Annex I;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	75-61-6	--	Dibromodifluoromethane (halon-1202): 'new substances' means substances listed in Annex II, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed;	P	General prohibition		REGULATION (EC) No. 1005/2009 - Regulation on ozone depleting substances (ODS) (The applicable legal text must be observed for any applications or exemptions)
en	7439-92-1	--	Lead	M	0,004 [% by weight] - The applicable legal text must be observed for any applications or exemptions	Portable, button cell or accumulator, industrial battery or accumulator and automotive battery or accumulator	German Battery Law (BattG)
en	7440-43-9	--	Cadmium	P/M	0,002 [% by weight] - The applicable legal text must be observed for any applications or exemptions	Portable, button cell or accumulator, industrial battery or accumulator and automotive battery or accumulator	German Battery Law (BattG)
en	7439-97-6	--	Mercury	P/M	0,0005 [% by weight] - The applicable legal text must be observed for any applications or exemptions	Portable, button cell or accumulator, industrial battery or accumulator and automotive battery or accumulator	German Battery Law (BattG)
en			Lead	P	100 [ppm] cumulative	All packagings	German Packaging Law - VerpackG

en **List of prohibited hazardous substances** 

en	CAS Number	EINECS/ EC- No.	Regulated substance name	Rating	Limit value	Application examples, occurrence	Source (law, directive, regulation)
en			Cadmium	P	100 [ppm] cumulative	All packagings	German Packaging Law - VerpackG
en			Mercury	P	100 [ppm] cumulative	All packagings	German Packaging Law - VerpackG
en			Chromium VI	P	100 [ppm] cumulative	All packagings	German Packaging Law - VerpackG
en	7440-31-5	--	Tin	PD	Section 1502 of the Act creates certain reporting obligations for public companies engaged in manufacturing activities regarding the use of "conflict minerals"	Ore/ mineral	Mandated by the Dodd-Frank Wall Street Reform and Consumer Protection Act to require companies to publicly disclose their use of conflict minerals originating in the Democratic Republic of the Congo (DRC) or an adjoining country
en	7440-57-5	--	Gold	PD	Section 1502 of the Act creates certain reporting obligations for public companies engaged in manufacturing activities regarding the use of "conflict minerals"	Ore/ mineral	Mandated by the Dodd-Frank Wall Street Reform and Consumer Protection Act to require companies to publicly disclose their use of conflict minerals originating in the Democratic Republic of the Congo (DRC) or an adjoining country
en	7440-25-7	--	Tantalum	PD	Section 1502 of the Act creates certain reporting obligations for public companies engaged in manufacturing activities regarding the use of "conflict minerals"	Ore/ mineral	Mandated by the Dodd-Frank Wall Street Reform and Consumer Protection Act to require companies to publicly disclose their use of conflict minerals originating in the Democratic Republic of the Congo (DRC) or an adjoining country
en	7440-33-7	--	Tungsten	PD	Section 1502 of the Act creates certain reporting obligations for public companies engaged in manufacturing activities regarding the use of "conflict minerals"	Ore/ mineral	Mandated by the Dodd-Frank Wall Street Reform and Consumer Protection Act to require companies to publicly disclose their use of conflict minerals originating in the Democratic Republic of the Congo (DRC) or an adjoining country
en	1309-64-4		Antimony oxide (Antimony trioxide)	M	NSRL or MADL (µg/day): --	Component of flame retardant treatment for polymers; opacifying agent for glasses, ceramics, and enamels; specialty pigments; naturally occurring as valentinite and senarmonite	SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 "California Proposition 65" Date of Listing: 10/01/1990 Basis for Listing: AB-IARC
en	68515-49-1 26761-40-0		D-isodecyl phthalate (DIDP)	M	MADL (µg/day): 2200	Plasticizer in PVC, production of rubber, anti-corrosion paints, anti-fouling paints, sealing compounds, textile inks	SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 "California Proposition 65" Date of Listing: 04/20/2007 Basis for Listing: AB-NTP-CERHR
en	--		Diisononyl phthalate (DINP)	M	NSRL (µg/day): 146	Plasticizer	SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 "California Proposition 65" Date of Listing: 12/20/2013 Basis for Listing: SQE
en	7440-02-0		Nickel (metallic)	M	NSRL or MADL (µg/day): --	Alloys (low-alloy steels, stainless steel, copper and brass, permanent magnets, electrical resistance alloys), electroplated protective coatings, electroformed coatings, alkaline storage batteries	SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 "California Proposition 65" Date of Listing: 10/01/1989 Basis for Listing: LC

en **Notes:**  
 en Prohibited substances (P)  
 en Substances rated declarable (D)  
 en Marking (M)  
 en Prohibited and declarable substances (PD)  
 en Prohibited and marking necessary (P/M)

en This table provides a simplified overview of the restrictions of hazardous substances relevant to Murrelektronik. It is not a complete overview of the international legislation regarding prohibited substances.

Deliveries to Murrelektronik are only allowed to contain these substances up to the limits determined and/or the supplier must comply to his information and declaration duty.

The supplier commits itself to the observance and monitoring of the limit values, and/or to the adherence to his information and declaration duty regarding prohibited substances.