

**List of prohibited substances**

In articles, materials and chemical products (TDOK 2012:22 ver.9 and TDOK 2010:310 ver.9)

Substance	CAS#	Permitted uses (articles and materials)	Permitted uses (chemical products)
Acrylamide	79-06-01		
Anthracene	120-12-7		
Anthracene oil	90640-80-5, 90640-81-6, 91995-15-2	Creosote railway sleepers and creosote posts Asphalt coating	Creosote for impregnation of timber Bitumen for asphalt coating
Arsenic and arsenic compounds	Substances listed on the candidate list, REACH annex XIV or annex XVII*.		
Benzene	71-43-2		Fuels in environmental class 1 is allowed to contain low levels of benzene, according to the Swedish Fuel quality act (SFS) 2011:319
Bisphenol A	80-05-7		
Lead and lead compounds	Substances listed on the candidate list, REACH annex XIV or annex XVII*.	** Directive 2011/65/EU and 2006/66/EG Detonators	Distemper paints in environments with special cultural requirements
Boric acid	10043-35-3, 11113-50-1		
Phtalates			
-Benzyl butyl Phtalate (BBP)	85-68-7	**Directive 2011/65/EU	
-Dibutyl Phtalate (DBP)	84-74-2	**Directive 2011/65/EU	
-Di-(2-ethylhexyl)Phtalate (DEHP)	117-81-7	**Directive 2011/65/EU	
-Diisobutyl Phtalate (DIBP)	84-69-5	**Directive 2011/65/EU	
Hexabromocyclododecane (HBCDD)	25637-99-4, 3194-55-6, 134237-51-7, 134237-50-6, 134237-52-8		
Hexachlorobenzene (HCB)	118-74-1		
Cadmium and cadmium compounds	Substances listed on the candidate list, REACH annex XIV or annex XVII*.	** Directive 2011/65/EU and 2006/66/EG	
Short chain chloroparaffins (SCCP)	85535-84-8		
Chromium (VI) compounds	Substances listed on the candidate list, REACH annex XIV or annex XVII*.	**Directive 2011/65/EU	
Mercury and mercury compounds	Substances listed on the candidate list, REACH annex XIV or annex XVII*.	**Directive 2011/65/EU	
Sodium borates	1303-96-4, 12179-04-3, 1330-43-4		
Nonylphenol and Ethoxylated nonylphenol	Substances listed on the candidate list, REACH annex XIV or annex XVII*.		
Organic Phosphates			
-Tris (2-chloroethyl) phosphate (TCEP)	115-96-8		
Pentachlorophenol (PCP)	87-86-5, 131-52-2		



Highly fluorinated substances (e.g. PFOA and PFOS)	Substances listed on the Candidate list, REACH annex XIV, annex XVII* or the POPs Regulation.		
Polybrominated diphenylether (PBDE)	Substances listed on the Candidate list, REACH annex XIV, annex XVII* or the POPs Regulation.		
Tinorganic compounds	Substances listed on the candidate list, REACH annex XIV or annex XVII*.		
Pesticides			
-Biocidal products	All	Can be used in impregnated wood and building materials that are NTR certified.***	- In small-scale pest control, e.g. rats and wasps - As wood preservatives - As slime prevention - As antifouling - As preservative in water-based products - As disinfectant for human hygiene
-Plant protection products	All		Within the vegetation control program for railway and for control of giant hogweed (<i>Heracleum mantegazzianum</i>) ¹
Chlorofluorocarbons (CFC), Chlorofluorohydrocarbons (HCFC), Halon compounds	Substances regulated by the EC-regulation No 1005/2009 on substances that deplete the ozone layer.		
Dinitrotoluene	Substances listed on the candidate list, REACH annex XIV or annex XVII*.		
Glycol ethers			
-2-Ethoxyethanol	110-80-5		
-2-Metoxxyethanol	109-86-4		
-2-Ethoxyethyl acetate	111-15-9		
Benzo(a)pyrene	50-32-8	Creosote railway sleepers and creosote posts Asphalt coating	

* Prohibitions on substances listed in Annex XVII apply only to the uses specified for each restriction.

**Regarding products covered by the directives for electronic products ([RoHS, 2011/65/EU](#)) or batteries ([2006/66/EC](#)), substances are allowed to be included in the activities of the Swedish Transport Administration for the scopes of applicability exempted in the directives.

*** NTR certified wood and building materials must be classified based on the criteria in table 1 in TDOK 2012:22.

¹ Giant hogweed (*Heracleum mantegazzianum*), is listed on the EU's list of Invasive Alien species of Union concern. The list is contained in Implementing Regulation (EU) 2016/1141.