

Kohsel's Negative List


Rev. 3 September 2022

Scope and field of application

The standard limits for content of certain hazardous substances in raw materials delivered to Kohsel A/S.

Use of the list

The list shall be used when approving new or modified raw materials and when environmental matters discussing with suppliers.
The limits in the list must not be exceeded unless documented by a written concession according to the relevant standard.

<div>  <div> <h2>Kohsel's Negative list</h2> <p>Effective Date: <u>3-Sep-2022</u></p> </div> </div>								
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
RoHS Substances								
1	117-81-7	Bis(2-ethylhexyl) phthalate (DEHP)	DEHP is widely used as a plasticizer for PVC (usually >> 1%). Plasticised PVC has a wide but diminishing use ranging from party clothing to gaskets, seals and medical devices. It should not be confused with UPVC, the plasticiser free version, which is use	REACH Candidate List, REACH Annex XIV, REACH Annex XVII	RoHS III : 0.1% (2019)			0.1%
2	40088-47-9	Polybrominated diphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS III (2019) RoHS: 0.1%	Stockholm Convention; Hong Kong Convention	China RoHS: 0.1%	0.1%
3	59536-65-1	Polybrominated biphenyls	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention	China RoHS: 0.1%	0.1%
4	7439-92-1	Lead	Lead, and as an element in metals and alloys	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV	Hong Kong Convention MEPC.269(68), 2015: 0.1%	China RoHS: 0.1%, Danish Regulation 856/2009	0.1%
5	7439-97-6	Mercury	In fluorescent lamps, electric switches, luminescent materials, manufacture of industrial chemicals, in electrical and electronical applications, in thermometers, amalgams	EU Reg. 2017/852; REACH Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); Battery: 0.0005%; ELV	Hong Kong Convention: 0.1%, Minamata Convention 0%	China RoHS: 0.1%, Danish Regulation: 627/2003	0.1%
6	7440-43-9	Cadmium	Stabilizers in polymers like PVC, Used in pigments in paints and plastics, present also in electronics. In soldering materials	REACH Annex XVII: Prohibited in polymers (0.01%); In paints on products: (0.1%); (EU) No. 1257/2013	RoHS: 0.01%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); Battery 0.002%, ELV	Hong Kong Convention MEPC.269(68), 2015: 0.01%	China RoHS: 0.1%	0.01%
7	All	Chromium 6+ compounds	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%	China RoHS: 0.1%	0.1%
8	84-69-5	Diisobutyl phthalate	Diisobutyl phthalate 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, adhesives, explosive mate	REACH Candidate List 0.1%, REACH Annex XIV, REACH Annex XVII	RoHS: 0.1% (2019)			0.1%
9	84-74-2	Dibutyl phthalate (DBP)	This substance has widespread historical use as a plasticiser. It was also used as an additive to adhesives or printing inks. Although responsible industry has been phasing out the use of this substance there are concerns that it is still widely	REACH Candidate List, REACH Annex XIV, REACH Annex XVII	RoHS: 0.1% (2019)			0.1%
10	85-68-7	Benzyl butyl phthalate (BBP)	Mostly used as a plasticiser for PVC, commonly in floor tiles. Other uses include in food conveyor belts, and artificial leather. This substance may be present above 0.1% in the articles described above. Action required to	REACH Candidate List, REACH Annex XIV, REACH Annex XVII	RoHS: 0.1% (2019)			0.1%
REACH and Other Regulation.								
1	1003-07-2	Isothiazolin-3-one	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	* Prohibit
2	100-42-5	Styrene	Solvent, manufacture of plastic and rubber products				Danish Regulation 1084/2017	
3	10043-35-3	Boric acid	Boric acid is widely used on account of its consistency-influencing, flame-retarding, antiseptic and preservative properties. It is a component of detergents and cleaners, adhesives, toys, industrial fluids, brake fluids, glass,	REACH Candidate List: 0.1%				0.1%
4	10045-94-0	Mercuric nitrate	In lamps, electric switches, luminescent materials	REACH Annex XVII	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1% 0.1%	Danish Regulation: 73/2016	0.1%
5	10099-74-8	Lead dinitrate	Used in manufacture of explosives, weapons and ammunitions , intermediate in preproduction of pigments and a laboratory agent.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
6	10108-64-2	Cadmium chloride	Analytical chemistry, photography, dyeing and calico printing	REACH Candidate List: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
7	101-14-4	Dichloro-4,4'-methylenedianiline, 2,2'	Mainly used as curing agent in resins and in the production of polymer articles and also for manufacture of other substances. The substance may further be used in construction and arts.	REACH Candidate List, REACH Annex XIV, Annex XVII: 0,003% (30ppm)				0.003%
8	10124-36-4	Cadmium sulphate	Used in metal surface coatings, in photovoltaic component manufacture, lead-acid batteries as a lubricant and as a laboratory agent. Also used as an intermediate in the production of other cadmium compounds, particularly	REACH Candidate List: 0.1%				0.1%
9	10124-43-3	Cobalt(II) sulphate	Cobalt(II) sulphate is mainly used in the manufacture of other chemicals including pigments and possibly catalysts, driers. Further applications comprise surface treatments (such as electroplating), corrosion prevention, decolorization (in glass, pottery)	REACH Candidate List: 0.1%				0.1%
10	10141-05-6	Cobalt(II) dinitrate	Cobalt(II) dinitrate is mainly used in the manufacture of other chemicals including catalysts. Further applications may include surface treatment and in	REACH Candidate List: 0.1%				0.1%
11	101-55-3	Bromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention:		0.1%
12	101-61-1	Methylenedianiline, N,N,N',N'-tetramethyl-4,4'- (Michler's base)	Chemical intermediate in the manufacture of dyes and pigments and in the manufacture of its hydrochloric salt. May be used as an R&D reagent.	REACH Candidate List: 0.1%				0.1%
13	101-68-8	Methylene diphenyl diisocyanate, 4,4' - (MDI)	PU foam. In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Annex XVII: 0.1%			Danfoss decision	*0.1%
14	101-77-9	Diaminodiphenylmethane, 4,4' -	Diaminodiphenylmethane (MDA) is used as a reagent in the manufacture of rubber, plastics, diisocyanates, dyes and adhesives. In this use it is normally substantially consumed by conversion to other chemicals. Historically, there is some evidence of trace.	REACH Candidate List, REACH Annex XIV, Annex XVII: 0,003% (30ppm)				0.003%
15	101-80-4	Oxydianiline, 4,4' -	Production of polymers such as polyimides for uses in wiring, printed circuits, and other high temperature applications. Residues may remain in articles of this nature	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
16	102738-79-4	Propane, 2-Chloro-1,3-difluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
17	10294-40-3	Barium Chromate	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
18	104-40-5	Nonylphenol, 4-	Surface active agents	REACH Annex XVII: 0.1%				0.1%
19	10588-01-9	Sodium dichromate	This substance is an important reagent for the production of a wide range of chemicals. It is also used in metal finishing process, leather tanning and in some ceramics / glasses. This substance is very unlikely to be present in articles above 0.1% except	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
20	10606-46-9	Dicofol	Pesticide	(EU) 2019/1021		Stockholm Convention		
21	106-46-7	Dichlorobenzene (1,4-)	Air freshener, deodoriser	REACH Annex XVII: 1%				1%
22	106-47-8	4-Chloroaniline	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
23	1067-33-0	diethyltin diacetate	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25% Convention: 0.25%		0.1%
24	106-94-5	Bromopropane, 1- (n-propyl bromide)	This substance has been registered for REACH. According to the dissemination portal, it is used as an industrial solvent, surface cleaner and degreasing agent. Used in electronics industry for cleaning circuit boards.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
25	107-06-2	Ethane, 1,2-dichloro-	Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmaceutical industry.	REACH Candidate List, REACH Annex XIV				
26	1072-35-1	Lead stearate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 0.1%	Danish Regulation 856/2009	0.1%
27	108-46-3	Resorcinol	Manufacture of chemicals, rubber and plastic products					
28	108-88-3	Toluene	Solvent	REACH Annex XVII: 0.1%			Only prohibited for use described in REACH Annex XVII	0.1%
29	108-90-7	Chlorobenzene	Solvent, degreasing agent	REACH Annex XVII				
30	109-86-4	2-Methoxy-Ethanol	2-methoxyethanol is mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical.	REACH Candidate List: 0.1%				0.1%


No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
31	110-00-9	Furan	Furan is used primarily as an intermediate in the synthesis and production of tetrahydrofuran, pyrrole, and thiophene. Furan is also used in the formation of lacquers, as a solvent for resins, and in the production of agricultural chemicals, stabilizers	REACH Candidate List: 0.1%				0.1%
32	110-71-4	Ethane, 1,2-dimethoxy-; ethylene glycol dimethyl ether (EGDME)	Used as an industrial and process solvent. Also used as a constituent within flexo gravure water-solvent based inks, lithographic plate developers and glass cleaning solvents. May be found in the electrolyte system of lithium batteries	REACH Candidate List: 0.1%				0.1%
33	110-80-5	2-Ethoxy-Ethanol	2-ethoxyethanol is mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical	REACH Candidate List: 0.1%				0.1%
34	110-82-7	Cyclohexane	Solvent in adhesives etc.	REACH Annex XVII: 0.1%				0.1%
35	110-91-8	Morpholine	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
36	11096-82-5	Chlorodiphenyl (Arochlor 1260)	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005% 0.005%		0.005%
37	11097-69-1	Arochlor 1254	heat exchange fluids, additives	EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005% 0.005%		0.005%
38	11103-86-9	Potassium hydroxyoctaoxidizincatedichromate	Mainly used in coatings in the aeronautic/ aerospace, steel and aluminum coil coating and vehicle	REACH Candidate List, REACH Annex XIV				
39	11113-50-1	Boric acid, crude natural	Boric acid is widely used on account of its consistency-influencing, flame-retarding, antiseptic and preservative properties. It is a component of detergents and cleaners, adhesives, toys, industrial fluids, brake fluids, glass, ceramics, flame retardants	REACH Candidate List: 0.1%				0.1%
40	111-15-9	2-Ethoxyethyl acetate	This substance is used as a solvent in some industrial adhesives and coatings, including wood stains, paints and varnishes. As a substance its use is prohibited in cosmetic products and must not be supplied to the general public.	REACH Candidate List: 0.1%				0.1%
41	11120-22-2	Silicic acid, lead salt	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
42	111-42-2	diethanolamine	Corrosion protection, pH stabilizer				TRGS 611; 615, 0.2% Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids.	
43	111512-56-2	Propane, 1,1-dichloro-1,2,3,3,3-pentafluoro-(HCFC- 225eb)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong	EPA Ozone Layer protection Danish Regulation 1386/2015	
44	111-77-3	Ethanol 2-(2-methoxyethoxy)	Solvent in paints and degreasing agents	REACH Annex XVII: 0.1%				0.1%
45	1118-46-3	butyltin trichloride (MBTC)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003		Hong Kong Convention MEPC.269(68), 2015: 0.25% Convention: 0.25%		0.1%
46	111-96-6	Bis(2-methoxyethyl) ether	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 Candidate List, REACH Annex XIV				
47	1120-71-4	Propanesultone, (1,3-)	Electrolyte fluid of lithium ion batteries	REACH Candidate List:				0.1%
48	112-34-5	Ethanol 2-(2-butoxyethoxy)	Solvent in paints and degreasing agents	REACH Annex XVII: 3%				0.1%
49	112-49-2	Ethane, (1,2-bis(2-methoxyethoxy))- (TEGDME; triglyme)	Used as an industrial and process solvent. May also be used as a constituent within flexo gravure water-solvent based inks, lithographic plate developers and glass cleaning solvents. May be found in the electrolyte system of	REACH Candidate List: 0.1%				0.1%
50	115-29-7	Endosulfan	Insecticide			Stockholm Convention		
51	115-32-2	Dicofol	Pesticide			Stockholm Convention		
52	115-96-8	Tris(2-chloroethyl) phosphate	It is mainly used as an additive plasticiser and viscosity regulator with flame-retarding properties for acrylic resins, polyurethane, polyvinyl chloride and other polymers. Other fields of application are adhesives, coatings.	REACH Candidate List, REACH Annex XIV				

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
53	1163-19-5	Decabromodiphenylether, (2,2',3,3',4,4',5,5',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Candidate List: 0.1% REACH Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1% 0.1%	TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 880, January 2021.	0.1%
54	117-82-8	Bis(2-methoxyethyl) phthalate	No registration for this phthalate compound has been submitted to ECHA. Hence, the substance seems not to be manufactured in or imported to the EU in quantities above 1 t/y. Main uses in the past were as plasticizer in polymers.	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
55	117964-21-3	Octabromodiphenylether, (2,2',3,3',4,4',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
56	118-74-1	Hexachlorobenzene (HCB)	Pesticide			Stockholm Convention		
57	119-90-4	3,3-Dimethoxybenzidine	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0.003% (30ppm)				0.003%
58	119-93-7	3,3-Dimethylbenzidine	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0.003% (30ppm)				0.003%
59	12001-28-4	Crocidolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No.1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
60	12001-29-5	Chrysotile	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
61	12002-48-1	Trichlorobenzene	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
62	120-12-7	Anthracene	Anthracene is normally a complex low concentration impurity or trace constituent in petroleum products. It has been found in some wood preservatives and fuels. This substance is very unlikely to feature in any supplied articles over 0.1%.	REACH Candidate List: 0.1%				0.1%
63	12036-76-9	Lead oxide sulfate	Used in lead batteries, pigments and paints, stabiliser for PVC	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
64	12060-00-3	Lead titanium trioxide	Used in piezoelectric ceramics, pigments and paints	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
65	12065-90-6	Pentalead tetraoxide sulphate	Used in manufacture of explosives, weapons and ammunitions , intermediate in preduction of pigments and a laboratory agent.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
66	12069-00-0	Lead selenide	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
67	120-71-8	6-Methoxy-m-toluidine	Used in dyeing of textiles and leather goods.	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.003%
68	120-82-1	Trichlorobenzene	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
69	121-14-2	Toluene, 2,4-Dinitro-	2,4-dinitrotoluene is used in the production of toluene diisocyanate, which is used for the manufacture of flexible polyurethane foams. The substance is also used as gelatinizing-plasticizing agent for the manufacture of explosives	REACH Candidate List, REACH Annex XIV				
70	12122-67-7	Zineb	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2015				
71	12141-20-7	Trilead dioxide phosphonate	Stabiliser used in production of pvc products.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
72	12172-73-5	Amosite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
73	12179-04-3	Disodium tetraborate, anhydrous	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives.	REACH Candidate List: 0.1%				0.1%
74	12202-17-4	Tetralead trioxide sulphate	Stabiliser used in production of pvc products.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
75	12267-73-1	Tetraboron disodium heptaoxide, hydrate	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives,	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
76	123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	This substance is used as a catalyst, in the production of electrical equipment and as an industrial blowing agent in the production of rubber and plastic products. It may also be used in adhesives, paints and coatings and consumer-use air fresheners.	REACH Candidate List: 0.1%				0.1%
77	12427-38-2	Maneb	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2012				

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
78	124-72-1	Bromotetrafluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68)	EPA Ozone Layer protection Danish Regulation 1386/2015	
79	124-73-2	Dibromotetrafluoroethane (Halon-2402), 1,2-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68)	EPA Ozone Layer protection Danish Regulation 1386/2015	
80	12578-12-0	Dioxobis(stearato)trilead	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
81	126-11-4	Trihydroxymethylnitromethane	Biocide in lubricants				Danfoss decision; 0.005% free formaldehyde	0.005%
82	12626-81-2	Lead titanium zirconium oxide	This substance is used in the production of lead titanate zirconate, in electro-ceramic components and piezoceramics. It may be present in such articles above 0.1% w/w	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
83	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment.	REACH Candidate List, REACH Annex XIV, Annex XVII: Prohibited in paint				
84	12672-29-6	Arochlor 1248	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005%		0.005%
85	127-18-4	Tetrachloroethylene ("PER")	Solvent, degreasing agent				Danfoss decision. General ban since 1985. Except in thermo bulbs for fire fighting equipment	
86	127-19-5	N,N-dimethylacetamide	Used as solvent, mainly in the manufacture of various substances and in the production of fibres for clothing and other applications. Also used as reagent, and in products such as industrial coatings, polyimide films, paint strippers and ink removers.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
87	127564-83-4	Dichlorotetrafluoropropane (HCFC-234)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC EU No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
88	127564-92-5	Dichloropentafluoropropane (HCFC-225)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
89	12767-79-2	Arochlor	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005%		0.005%
90	12789-03-6	Chlordane	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2009		Stockholm Convention		
91	128903-21-9	Propane, 2,2-dichloro-1,1,1,3,3-pentafluoro- (HCFC- 225a)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
92	1303-28-2	Diarsenic pentaoxide	Diarsenic pentoxide is used in the manufacture of arsenates, old or non-EU weed killer, metal adhesives and specialist insecticides, fungicides, and wood preservatives. Note that use of arsenic compounds is severely restricted already. It has been used.	REACH Candidate List, REACH Annex XIV, REACH Annex XVII				
93	1303-86-2	Diboron trioxide	Wide range of registered uses including soldering and welding agents, protective chemicals, in wood stone, plaster, cement, ceramic and glass articles; inks, varnishes, paints, coatings, fertilizers, vehicle and machinery parts, batteries, leather and	REACH Candidate List: 0.1%				0.1%
94	1303-96-4	Disodium tetraborate, anhydrous	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives,	REACH Candidate List: 0.1%				0.1%
95	1306-19-0	Cadmium oxide	Nickel- cadmium batteries, Pigments for plastics, Low melting alloys, Electroplating, Solder, Semiconductors, Stabilizers in PVC	REACH Candidate List: 0.1%				0.1%
96	1306-23-6	Cadmium sulphide	Pigment for ceramics and glass and in photo electronic applications such as solar cells.	REACH Candidate List: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
97	1309-60-0	Lead(IV)oxide	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 0.1%	Danish Regulation 856/2009	
98	131-18-0	Dipentyl phthalate (DPP)	Plasticiser	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
99	1314-41-6	Orange lead (lead tetroxide)	Used in anti-corrosion coatings (red lead primer), also used in optical glass, ceramic glazes and enamel, to make piezofiles, and as a weak oxidizer in the	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
100	1314-87-0	Lead(II)sulfide	In pigments, additives, corrosion inhibitors	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
101	13149-00-3	Cyclohexane-1,2-dicarboxylic anhydride [1], cis- cyclohexane-1,2-dicarboxylic anhydride [2], trans- cyclohexane-1,2-dicarboxylic anhydride [3] <->[The individual cis- [2] and trans- [3] isomer substances and all possible combinations	Used as hardeners for epoxy resins, intermediates for alkyds, plasticizers, insect repellents and rust inhibitors	REACH Candidate List: 0.1%				0.1%
102	131-52-2	Pentachlorophenol, Sodium salt	Pesticide			Stockholm Convention		
103	1317-36-8	Lead monoxide (lead oxide)	Glass and crystal making, ceramics, lead acid batteries, pigments and paints, vulcanisation of rubber, manufacture of cathode ray tubes, organic synthesis	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
104	1319-46-6	Trilead bis(carbonate)dihydroxide	Pigment in paints and ceramic glazes. Catalyst in the preparation of polyesters from terephthalic acid and diols, curing agent for peroxides to form improved polyethylene wire insulation, pearlescent pigment, color-changing component of temperature-sensit	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
105	132207-32-0	Chrysotile	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
106	1327-53-3	Diarsenic trioxide	This substance is used in lead alloys (especially in lead-acid batteries), glass (and, to a lesser extent, enamel) production and as a source of high-purity arsenic for use in the electronics	REACH Candidate List, REACH Annex XIV, REACH Annex XVII				
107	1330-43-4	Disodium tetraborate, anhydrous	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives.	REACH Candidate List: 0.1%				0.1%
108	1330-45-6	Chlorotrifluoroethane (HCFC- 133)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
109	1330-78-5	Tricresylphosphate (all isomers including ortho)	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Ortho-TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	0.50%
110	1332-21-4	Asbestos	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
111	1333-82-0	Chromium trioxide	Chromium trioxide is mainly used in metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. It is also used as a fixing agent in waterborne wood preservatives. Minor uses are e.g. in the manu	REACH Candidate List, REACH Annex XIV, Annex XVII (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
112	1336-36-3	Polychlorinated biphenyls (PCB)	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention		0.005%
113	134190-48-0	Pentachlorofluoropropane (HCFC-231)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
114	134190-49-1	Tetrachlorofluoropropane (HCFC-241)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
115	134190-50-4	Chlorotetrafluoropropane (HCFC-244)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
116	134190-51-5	Trichlorofluoropropane (HCFC-251)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	

<div>  <div> <h1>Kohsel's Negative list</h1> <p>Effective Date: <u>3-Sep-2022</u></p> </div> </div>								
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
117	134190-52-6	Dichlorodifluoropropane (HCFC-252)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
118	134190-53-7	Chlorodifluoropropane (HCFC- 262)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
119	134190-54-8	Chlorofluoropropane (HCFC- 271)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
120	134237-31-3	Pentachlorotrifluoropropane (CFC-213)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
121	134237-32-4	Tetrachlorofluoroethane (HCFC-121)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
122	134237-34-6	Trichlorofluoroethane (HCFC- 131)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
123	134237-35-7	Hexachlorofluoropropane (HCFC-221)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
124	134237-36-8	Pentachlorodifluoropropane (HCFC-222)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
125	134237-37-9	Tetrachlorotrifluoropropane (HCFC-223)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
126	134237-38-0	Trichlorotetrafluoropropane (HCFC-224)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
127	134237-39-1	Tetrachlorodifluoropropane (HCFC-232)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
128	134237-40-4	Trichlorotrifluoropropane (HCFC-233)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
129	134237-41-5	Chloropentafluoropropane (HCFC-235)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
130	134237-42-6	Trichlorodifluoropropane (HCFC-242)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
131	134237-43-7	Dichlorotrifluoropropane (HCFC-243)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
132	134237-44-8	Chlorotrifluoropropane (HCFC-253)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
133	134237-45-9	Dichlorofluoropropane (HCFC- 261)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
134	134237-50-6	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV; (EU) No. 1257/2013				
135	134237-51-7	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV				
136	134237-52-8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV				
137	13424-46-9	Lead diazide, Lead azide	Mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%

<div>  <div> <h1>Kohsel's Negative list</h1> <p>Effective Date: <u>3-Sep-2022</u></p> </div> </div>								
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
138	134308-72-8	Chlorohexafluoropropane (HCFC-226)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
139	1344-36-1	Lead hydroxidecarbonate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
140	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	Lead sulfochromate yellow (C.I. Pigment Yellow 34) is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment, veh	REACH Candidate List, REACH Annex XIV; Annex XVII: Prohibited in paint				
141	1344-48-5	Mercuric sulfide	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.01%
142	13474-88-9	Propane, 1,1-dichloro-1,2,2,3,3-pentafluoro- (HCFC- 225cc)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015: 0.1%	EPA Ozone Layer protection Danish Regulation 1386/2015	
143	13530-65-9	Zinc Chromate	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
144	13530-68-2	Dichromic acid	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
145	135401-87-5	Heptachlorofluoropropane (CFC-211)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015: 0.1%	EPA Ozone Layer protection Danish Regulation 1386/2015	
146	136013-79-1	Propane, 1,3-dichloro-1,1,2,3,3-pentafluoro- (HCFC- 225ea)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015: 0.1%	EPA Ozone Layer protection Danish Regulation 1386/2015	
147	13654-09-6	Decabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.005%
148	136677-10-6	Polychlorinated dibenzofuranes	Pesticides, additives, Combustion pollutants			Stockholm Convention		
149	137-17-7	2,4,5-Trimethylaniline	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
150	137-26-8	Thiram	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2014				
151	137-42-8	Metam Sodium	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2013				
152	13765-19-0	Calcium chromate	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
153	13814-96-5	Lead bis(tetrafluoroborate)	Used as a catalyst in production of linear polyesters, a curing agent for epoxy resins; in electroplating solutions for coating metals with lead, in manufacturing flame-retardants, for electrolytic generation of boron, and in	REACH Candidate List: 0.1%, REACH Annex XVII				0.10%
154	138495-42-8	Decafluoropentane (HFC-43- 10mee)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
155	139-65-1	4,4'-Thiodianiline	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
156	140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	Mainly used in the manufacture of polymer preparations and of ethoxylates. Further used as a component in adhesives, coatings, inks and rubber	REACH Candidate List: 0.1%				0.1%
157	14166-21-3	Cyclohexane-1,2-dicarboxylic anhydride [1], cis- cyclohexane-1,2-dicarboxylic anhydride [2], trans- cyclohexane-1,2-dicarboxylic anhydride [3] <->[The individual cis- [2] and trans- [3] isomer substances and all possible combinations	Used as hardeners for epoxy resins, intermediates for alkyds, plasticizers, insect repellents and rust inhibitors	REACH Candidate List: 0.1%				0.1%
158	14275-57-1	Bis(tributyltin) maleate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
159	143-50-0	Chlordecone	Pesticide			Stockholm Convention		
160	143860-04-2	Oxazolidine, (3-ethyl-2-methyl-2-(3-methylbutyl)-	The chemical's proposed use is in high-solids polyurethane coatings as a	REACH Candidate List: 0.1%				0.1%
161	1461-22-9	Tributyltin chloride	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
162	1461-25-2	Tetrabutyltin	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
163	147217-75-2	Tribromodiphenylether, (2,2',4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
164	14797-65-0	Nitrite	Risk of carcinogenic nitrosamine formation when used as an inhibitor in cutting fluids				Danfoss decision. Applies only to use in cutting fluids (20 ppm)	*20 ppm
165	1511-62-2	Bromodifluoromethane (HBFC-12B1)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
166	15245-44-0	Lead styphnate	Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices and detonators	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
167	15546-11-9	dibutyltin bis(methylmaleate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1%; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
168	15571-58-1	Stannatetradecanoate, (2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-) (DOTE)	Present in a reaction mass with the corresponding mono-octyltin compound, MOTE : used as a heat stabilizer in the production of rigid PVC and some other plastics; found in some adhesives and pigment dispersions. Reference material for laboratory use.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
169	15606-95-8	Triethyl arsenate	This substance is used in the manufacture of semiconductors and has been used in the production of wood preservatives. In both cases the final quantity of the compound in a finished article is expected to be less than 0.1%.	REACH Candidate List: 0.1%, Annex XVII				0.1%
170	15739-80-7	Lead sulfate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
171	15972-60-8	Alachlor	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2019				
172	1599-41-3	Trichloropentafluoropropane (CFC-215)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong	EPA Ozone Layer protection Danish Regulation 1386/2015	
173	1649-08-7	Dichlorodifluoroethane (HCFC-132b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
174	1717-00-6	Dichlorofluoroethane (HCFC- 141b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
175	1746-01-6	Tetrachlorodibenzo-p-dioxin,	Incineration and combustion pollutant			Stockholm Convention		
176	17570-76-2	Lead(II) bis(methanesulfonate)	Main application is tin-lead electroplating on printed circuit boards. This application is in decline owing to the restrictions on lead in electrical products as regulated in the EU by RoHS (2011/65/EU).	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
177	1763-23-1	PFOS (Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride (PFOS-F))	In fire extinguishing equipment, surface treatment	EU No. 1257/2013 (EU) 2019/1021		Stockholm Convention		
178	1803-12-9	Triphenyltin N,N'-dimethyldithiocarbamate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
179	182346-21-0	Pentabromodiphenylether, (2,2',3,4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
180	1836-75-5	Nitrofen	Herbicide	EU Reg. 540/2011 EC Reg. 1107/2009				
181	1842-05-3	Dichlorodifluoroethane (HCFC-132c)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
182	1868-53-7	Dibromodifluoromethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
183	189084-61-5	Tetrabromodiphenylether, (2,3',4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
184	189084-64-8	Pentabromodiphenylether, (2,2',4,4',6,6')	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
185	189-55-9	Dibenzo(a,i)pyrene (DB(a,i)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
186	189-64-0	Dibenzo(a,h)pyrene (DB(a,h)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
187	1912-24-9	Atrazine	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2017				
188	191-24-2	Benzo(ghi)perylene	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Candidate List: 0.1%				0.10%
189	191-30-0	Dibenzo(a,l)pyrene (DB(a,l)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
190	192-65-4	Dibenzo(a,e)pyrene (DB(a,e)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
191	192-97-2	Benzo(e)pyrene (BeP)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
192	193-39-5	Indeno(1,2,3-cd)pyrene	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
193	1937-37-7	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 38)	Direct Black 38 is a benzidine-based dye	REACH Candidate List: 0.1%				0.1%
194	19438-60-9	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	Curing agent for epoxy resins, especially in the electric and electronics field	REACH Candidate List: 0.1%				0.1%
195	194-59-2	Dibenzo(c,g)carbazole, 7H- (7H-DB(c,g)C)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
196	1983-10-4	Tributyltin fluoride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003 REACH Annex XVII: 0.1%		Hong Kong Convention: 0.25%		0.1%
197	2050-47-7	Dibromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
198	2052-07-5	Biphenyl, 2-bromo-	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention:		0.005%
199	205-82-3	Benzo(j)fluoranthene (BjFA)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
200	2058-94-8	Henicosafuoroundecanoic acid	Processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant uses / impurity	REACH Candidate List: 0.1%				0.1%
201	205-99-2	Benzo(b)fluoranthene (BbFA)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
202	207-08-9	Benzo(k)fluoranthene (BkFA)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
203	207122-15-4	Hexabromodiphenylether, (2,2',4,4',5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
204	207122-16-5	Heptabromodiphenylether, (2,2',3,4,4',5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
205	20837-86-9	Lead cyanamidate	Pigment, lubricant additive	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
206	21049-39-8	Perfluorononan-1-ol-acid and its sodium and ammonium salts	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 Candidate List: 0.1%				0.1%
207	2113-57-7	Bromobiphenyl, (3-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention		0.1%
208	2155-70-6	Tributyltin methacrylate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
209	218-01-9	Chrysen (CHR)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
210	21908-53-2	Mercuric(II)oxide	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.01%
211	2224-44-4	Morpholine, 4-(2-nitrobutyl)	Biocide in lubricants				Danfoss decision; 0.005% free formaldehyde	0.005%
212	224-42-0	Dibenz(a,j)acridine (DB(a,j)AC)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
213	2252-78-0	Bromohexafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
214	226-36-8	Dibenz(a,h)acridine (DB(a,h)AC)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
215	2268-46-4	Tetrachlorotetrafluoropropane, 1,1,1,1,3,3-hexafluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
216	2279-76-7	Tripropyltin chloride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
217	2354-06-5	Pentachlorotrifluoropropane (CFC-213)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
218	2385-85-5	Mirex	Pesticide, flame retardant			Stockholm Convention		
219	24124-25-2	Stannane, tributyl(1-oxo-9,12-octadecadienyl)	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
220	2437-79-8	PCB47	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention 0.005%		0.005%
221	2451-62-9	Triazinane-2,4,6-trione, (1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-), (TGIC)	Epoxy compound. Used as hardener in resins and coatings. May be used in solder mask applications in production of printed circuit boards. Also used in weather resistant polyester-based powder coatings. May be found in	REACH Candidate List: 0.1%				0.1%
222	24613-89-6	Dichromium tris(chromate)	Mainly used in mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminum coating sectors.	REACH Candidate List, REACH Annex XIV				
223	25154-52-3	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	Surface active agents	REACH Annex XVII: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
224	25155-23-1	Trixylyl phosphate	Flame retardant	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
225	25167-88-8	Dichlorodifluoroethane (HCFC- 141)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
226	25214-70-4	Formaldehyde, oligomeric reaction products with aniline	Mainly used for manufacture of other substances. Minor uses are as hardener for epoxy resins, e.g. for the production of rolls, pipes and molds, and as well for	REACH Candidate List, REACH Annex XIV				
227	2536-05-2	Methylenediphenyl diisocyanate	In foam packaging systems, use allowed in embedding of electronics and in	REACH Annex XVII, 0.1%			Danfoss decision	*0.1%
228	25497-29-4	Chlorodifluoroethane (HCFC- 142)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
229	2551-62-4	SF6 (Sulfurhexafluoride)		EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
230	25550-51-0	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	Curing agent for epoxy resins, especially in the electric and electronics field	REACH Candidate List: 0.1%				0.1%
231	25637-99-4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV		Stockholm Convention		
232	2580-56-5	Dimethylammonium chloride, [4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]meth ylene)cyclohexa-2,5-dien-1-ylidene]- (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EU No. 202-027-5) or Michler's	Colorant with uses that may include dyes and inks, including in ball point pens and printer cartridges, cosmetics such as soaps, dyeing of paper, card, plastic, wood, lacquers and coatings, analytical / R&D/diagnostic uses.	REACH Candidate List: 0.1%				0.1%
233	25915-78-0	Dichlorodifluoroethane (HCFC-132)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
234	25973-55-1	Phenol, (2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentyl-) (UV- 328)	Used as an additive; a UV absorber used particularly in transparent plastics. Also used for light- stabilizing rubbers and plastics, and in coatings for wood and the automotive sector. Some use in	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
235	26172-54-3	Isothiazolin-3-one, 2-Methyl-4	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
236	26172-55-4	Isothiazolin-3-one, 5-Chlor-2-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
237	2634-33-5	Benzisothiazol-3-one, 1,2-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
238	26354-18-7	Stannane, tributylmethacrylate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
239	26401-86-5	octyltin tris(isooctyl mercaptoacetate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
240	26530-03-0	Isothiazol-3-one, 5-Chlor-2-m	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
241	26530-20-1	Isothiazol-3-one, 2-N-octyl-2,3-dihydroxy-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
242	26636-01-1	dimetyltin bis(isooctyl mercaptoacetate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
243	26636-32-8	Tributyltinphthalate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003 REACH Annex XVII: 0.1%		Hong Kong Convention: 0.25%		0.1%
244	2682-20-4	Isothiazolin-3-one, 2-Methyl-4	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
245	2713-09-9	Dichloropentafluoropropane (HCFC-225)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
246	27154-33-2	Trichlorofluoroethane (HCFC- 131)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
247	27323-18-8	Kanechlor 500	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005%		
248	27858-07-7	Octabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015		
249	2837-89-0	Monochlorotetrafluoroethane (HCFC-124)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
250	26172-55-4	Isothiazolinone	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
251	29255-31-0	Tetrachlorotetrafluoropropane (CFC214)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
252	301-04-2	Lead di(acetate)	This substance may be found in paints and coatings, fillers and plasters, as an intermediate and as a laboratory reagent	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
253	302-01-2	Hydrazine	Hydrazine is used as a foaming agent, as a precursor to polymerization catalysts and pharmaceuticals. Additionally, hydrazine is used in various rocket fuels and to prepare the gas precursors used in air bags. Hydrazine is also used as a corrosion inhibitor	REACH Candidate List: 0.1%				0.1%
254	30283-91-1	Bromotrifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
255	306-83-2	Dichlorotrifluoroethane (HCFC-123)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
256	307-55-1	Tricosafuorododecanoic acid	Processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant uses / impurity. Laboratory chemical.	REACH Candidate List: 0.1%				0.1%
257	309-00-2	Aldrin	Pesticide			Stockholm Convention		
258	3090-35-5	Stannane, tributyl(oleoyloxy)	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
259	3090-36-6	Tributyltin laurate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
260	3108-42-7	Nonadecafluorododecanoic acid (PFDA) and its sodium and ammonium	Lubricant, wetting agent, plasticiser and corrosion inhibitor	REACH Candidate List 0.1%				0.1%
261	31119-53-6	Cadmium sulphate	Used in metal surface coatings, in photovoltaic component manufacture, lead-acid batteries as a lubricant and as a laboratory agent. Also used as an intermediate in the production of other cadmium compounds, particularly pigments.	REACH Candidate List: 0.1%				0.1%
262	311-89-7	Perfluorotributylamine (PFTBA)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
263	31392-96-8	Dibromodifluoroethane (Halon 2202)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
264	31732-71-5	Bis(tributyltin) 2,3-dibromosuccinate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
265	3182-26-1	Hexachlorodifluoropropane (CFC-212)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
266	3194-55-6	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV		Stockholm Convention		
267	319-84-6	Alpha hexachlorocyclohexane	Pesticide			Stockholm Convention		
268	319-85-7	Beta hexachlorocyclohexane	Pesticide			Stockholm Convention		
269	32534-81-9	Pentabromodiphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
270	32536-52-0	Octabromodiphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
271	32598-13-3	PCB77	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		
272	32774-16-6	PCB169	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		
273	330-55-2	Linuron	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2016				
274	33213-65-9	Endosulfan	Insecticide			Stockholm Convention		
275	335-67-1	Pentadecafluorooctanoic acid (PFOA)	Surface treatment. Cleaning agent	REACH Candidate List: 0.1%, (EU) 2019/1021 (EU) 2021/115		Stockholm Convention		0.1%
276	335-76-2	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium	Lubricant, wetting agent, plasticiser	REACH Candidate List 0.1%				0.1%
277	33631-63-9	Mercuric chloride	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.1%
278	337513-72-1	Octabromodiphenylether, (2,2',3,4,4',5,5',6-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
279	338-75-0	Propane, 2,3-Dichloro-1,1,1- trifluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
280	34077-87-7	Dichlorotrifluoroethane (HCFC-123)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
281	34256-82-1	Acetochlor	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2018				
282	35065-27-1	PCB153	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		
283	352-91-0	Bromofluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
284	353-36-6	Fluoroethane (HFC-161)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
285	353-59-3	Bromochlorodifluoromethane (Halon-1211)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
286	353-97-9	Tribromodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
287	354-04-1	Dibromotrifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
288	354-11-0	Tetrachlorofluoroethane (HCFC-121a)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
289	354-14-3	Tetrachlorofluoroethane (HCFC-121)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
290	354-21-2	Trichlorodifluoroethane (HCFC-122)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
291	354-23-4	Dichlorotrifluoroethane (HCFC-123a)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
292	354-25-6	Chlorotetrafluoroethane HCFC-124a)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
293	354-33-6	Pentafluoroethane (HFC-125)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
294	354-56-3	Pentachlorofluoroethane (CFC-111)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
295	354-58-5	Trichlorotrifluoroethane (CFC- 113)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
296	355-25-9	Decafluorobutane (PFC-3-1- 10)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
297	355-41-10	Tetradecafluorohexane (PFC- 5-1-14)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
298	3563-45-9	Tetrachloro DDT	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2010		Stockholm Convention		
299	358-97-4	Dibromodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
300	359-07-9	Bromodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
301	359-28-4	Trichlorofluoroethane (HCFC- 131)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
302	362631-77-4	Tribromodifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
303	36355-01-8	Hexabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.005%
304	36437-37-3	Phenol, (2-(2H-benzotriazol-2- yl)-4-(tert-butyl)-6-(sec-butyl)-(UV-Hexabromodiphenylether	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
305	36483-60-0	Hexabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
306	36631-23-9	Tributyltin naphthalate	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
307	3687-31-8	Trilead diarsenate	Trilead diarsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. The trilead diarsenate contained in the raw materials is in the metallurgical refinement process transformed to	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
308	3697-24-3	Methylchrysene 5- (5-MC)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
309	373-52-4	Bromofluoromethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
310	375-95-1	Perfluoronon-1-ol-acid and its sodium and ammonium salts	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 Candidate List: 0.1%				0.1%
311	376-06-7	Heptacosafuorotetradecanoic acid	Used as processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant	REACH Candidate List: 0.1%				0.1%
312	379-52-2	Triphenyltin fluoride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
313	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)	Cleaning agents	REACH Candidate List: 0.1%				0.1%
314	3830-45-3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium	Lubricant, wetting agent, plasticiser and	REACH Candidate List 0.1%				0.1%
315	3846-71-7	Phenol, (2-benzotriazol-2-yl- 4,6-di-tert-butyl-) (UV-320)	Used as an additive; a UV absorber used particularly in transparent plastics. Also used for light-stabilizing rubbers and plastics, and in coatings for wood and the automotive sector. Some use in cosmetics	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
316	3864-99-1	Phenol, (2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)-)	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
317	39001-02-0	Octachlorodibenzofuran	Pesticides, additives, Combustion pollutants			Stockholm Convention		
318	40088-45-7	Tetrabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
319	40321-76-4	Pentachlorodibenzodioxin	Incineration and combustion pollutant			Stockholm Convention		
320	406-58-6	Pentafluorobutane (HFC-365mfc)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
321	41318-75-6	Tribromodiphenylether, (2,4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
322	4149-60-4	Perfluoronon-1-ol-acid and its sodium and ammonium salts	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 Candidate List: 0.1%				0.1%
323	415-25-3	Octafluorocyclobutane (PFC-c318)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
324	41834-16-6	Trichlorodifluoroethane (HCFC-122)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
325	420-44-0	Propane, 2-Chloro-2-fluoro	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
326	420-46-2	Trifluoroethane (HFC-143a)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
327	420-88-2	Tribromofluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
328	420-89-3	Bromodifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
329	420-97-3	Dichlorodifluoropropane (HCFC- 261)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
330	421-02-03	Monochlorodifluoropropane (HCFC-262)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
331	421-41-0	Monochlorotetrafluoropropane (HCFC-251)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
332	421-90-9	Tribromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
333	421-94-3	Pentachlorofluoropropane (HCFC-231)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
334	422-01-5	Bromopentafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
335	422-26-4	Hexachlorofluoropropane (HCFC-221)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
336	422-44-6	Propane, 1,2-dichloro-1,1,2,3,3-pentafluoro- (HCFC- 225bb)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
337	422-48-0	Propane, 2,3-dichloro-1,1,1,2,3-pentafluoro- (HCFC- 225ba)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
338	422-49-1	Pentachlorodifluoropropane (HCFC-222)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
339	422-52-6	Tetrachlorotrifluoropropane (HCFC-223)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
340	422-54-8	Trichlorotetrafluoropropane (HCFC-224)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
341	422-56-0	Dichloropentafluoropropane (HCFC-225ca)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
342	422-78-6	Heptachlorofluoropropane (CFC-211)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
343	422-86-6	Chloroheptafluoropropane (CFC-217)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
344	4259-43-2	Trichloropentafluoropropane (CFC-215)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
345	425-94-5	Dichlorotetrafluoropropane (HCFC-234)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
346	4299-07-4	Buty -n-I-1,2-benzisothiazolin-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
347	430-55-7	Monochlorofluoropropane (HCFC-271)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
348	430-57-9	Ethane, 1,2-dichloro-1-fluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
349	431-06-1	Dichlorodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
350	431-21-0	Dibromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
351	431-78-7	Dibromopentafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
352	431-86-7	Propane, 1,2-dichloro-1,1,3,3,3-pentafluoro- (HCFC- 225da)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
353	431-87-8	Monochlorohexafluoropropane (HCFC-226)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
354	431-89-0	Heptafluoropropane (HFC-227a)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
355	4342-30-7	Tributylstannyl salicylate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
356	4342-36-3	Tributylstannyl benzoate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
357	437701-78-5	Nonabromodiphenylether, (2,2',3,3',4,5,5',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
358	446255-22-7	Heptabromodiphenylether, (1,2,2',3,3',5,5'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
359	446255-39-6	Octabromo diphenylether, (2,2',3,3',4,4',5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
360	446255-50-1	Octabromodiphenylether, (2,2',3,3',4,5',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Candidate List: 0.1%, REACH Annex XVII (EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
361	453-00-9	Dibromofluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	REACH Candidate List: 0.1%, REACH Annex XVII 1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
362	460-22-2	Bromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	REACH Candidate List: 0.1%, REACH Annex XVII		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
363	460-25-3	Dibromodifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	REACH Candidate List: 0.1%, REACH Annex XVII 1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
364	460-35-5	Monochlorotrifluoropropane (HCFC-253)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	REACH Candidate List: 0.1%, REACH Annex XVII 1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
365	460-63-9	Trichlorodifluoropropane (HCFC-242)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
366	460-69-5	Dichlorotrifluoropropane (HCFC-243)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
367	460-73-1	Pentafluoropropane (HFC-245fa)	In heat pumps, refrigeration and air-conditioning and sprays	REACH Candidate List: 0.1%, REACH Annex XVII EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
368	460-86-6	Dibromotetrafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
369	460-89-9	Tetrachlorodifluoropropane (HCFC-232)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
370	460-92-4	Monochloropentafluoropropane (HCFC-235)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
371	471-43-2	Dichlorodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
372	47672-31-1	Triphenyltin fatty acid salts (C=9-11)	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
373	4782-29-0	Bis(tributyltin) phthalate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
374	48122-14-1	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	Curing agent for epoxy resins, especially in the electric and electronics field	REACH Candidate List: 0.1%				0.1%
375	49663-84-5	Pentazinc chromate octahydroxide	Mainly used in coatings in the vehicle coating and aeronautic / aerospace	REACH Candidate List, REACH Annex XIV (EU) No. 1257/2013				
376	49690-94-0	Tribromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	RoHS: 0.1%		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
377	50-00-0	Formaldehyde	Biocide in lubricants, general used preservative in many products and applications as in paper products, cleaners, disinfectants, textile materials	REACH Annex XVII			Danfoss decision: 0.005% free formaldehyde as biocide in lubricants. In general: 0.15%	
378	50-29-3	DDT	Pesticide	REACH Candidate List: 0.1%, REACH Annex XVII		Stockholm Convention		0.1%
379	50-32-8	Benzo(a)pyrene(BaP)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Candidate List: 0.1% REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
380	50471-44-8	Vinclozolin	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2011				
381	507-55-1	Dichloropentafluoropropane (HCFC-225cb)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
382	51200-87-4	Oxazolidine, (4,4'-Dimethyl)	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids; 0.2%	*0.2%
383	51207-31-9	Tetrachlorodibenzofuran, (2,3,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
384	513-79-1	Cobalt(II) carbonate	Cobalt(II) carbonate is mainly used in the manufacture of catalysts. Minor uses may include as a feed additive, in the manufacture of other chemicals including pigments, and as an adhesive in ground coat frit.	REACH Candidate List: 0.1%				0.1%
385	51404-69-4	Acetic acid, lead salt, basic	Lead acetate is used in dyeing and pigmentation aid for textiles, hair products, paints etc. Use in Europe restricted under regulations on use of lead, but may be found in imported products, especially painted ornamental.	REACH Candidate List: 0.1%				0.1%
386	53469-21-9	Arochlor 1242	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
387	53-70-3	Dibenzo(a,h)anthracene (DBaH)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable cords and plugs	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
388	542-88-1	Bis (chloromethyl) ether	In chemical synthesis				0.06%	0.06%
389	5436-43-1	Tetrabromodiphenylether, (2,2',4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
390	548-62-9	Dimethylammonium chloride, (4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene)- (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EU No. 202-027-5) or Michler's base (EU No. 202-027-5)]	Colorant with uses that may include dyes and inks, including in ball pens, cosmetics such as soaps, dyeing of paper, card, plastic, wood, lacquers and coatings, analytical / R&D/diagnostic uses.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
391	55673-89-7	Heptachlorodibenzofuran, (1,2,3,4,7,8,9-)	Pesticides, additives, Combustion pollutants	REACH Candidate List: 0.1%, REACH Annex XVII		Stockholm Convention		0.1%
392	55965-84-9	Isothiazol-3-one, 5-Chloro-2- methyl-2H-, mixture with 2- methyl-2H-isothiazol-3-one	Biocide, preservative, in lubricants and cutting fluids	REACH Candidate List: 0.1%, REACH Annex XVII			Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	0.1%
393	561-41-1	Trityl alcohol, (4,4'-bis(dimethylamino)-4''-(methylamino)-) [with ≥ 0.1% of Michler's ketone (EU No. 202-027-5) or Michler's base (EU No. 202-027-5)]	Mainly used as a dye in writing inks. May be referred to as Solvent Violet 8, although the Color Index and CAS registry numbers do not necessarily match. Solvent Violet 8 is used in inks (including ballpoint pens and printer	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
394	56-23-5	Carbontetrachlorid	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC, REACH Annex XVII (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
395	5625-90-1	Methylene-bis-morpholine/Bis-morpholino-methane	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
396	56-35-9	bis(tributyltin)oxide (TBTO)	This substance is a biocide with major use in external wood treatment and ship descaling. It is possible that this substance could be found in some imported timber products	REACH Candidate List: 0.1%, Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
397	56-36-0	Tributyltin acetate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
398	56-55-3	Benzo(a)anthracene (BaA)	Softening oils in rubber and plastic compounds/chemicals. Normally not produced intentionally but rather occurs as a constituent or impurity in many materials. In rubber compounds/chemicals. May be present	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
399	57110-29-9	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	Curing agent for epoxy resins, especially in the electric and electronics field	REACH Candidate List: 0.1%				0.1%
400	57117-31-4	Pentachlorodibenzofuran, (2,3,4,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
401	57117-41-6	Pentachlorodibenzofuran, (1,2,3,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
402	57117-44-9	Hexachlorodibenzofuran, (1,2,3,6,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
403	573-58-0	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Chloran	Direct Red 28 is a benzidine-based dyes	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
404	57-74-9	Lindane	Pesticide			Stockholm Convention		
405	58-89-9	Hexabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
406	59080-40-9	Fluoromethane (HFC-32)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
407	593-53-3	Monochlorofluoromethane (HCFC-31)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
408	593-70-4	Triazine-2,4,6-(1H,3H,5H)-trione, (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-), (P-TGIC)	Epoxy compound. Used as hardener in resins and coatings. May be used in solder mask applications in production of printed circuit boards. Also used in weather resistant polyester-based powder coatings. May be found in electrical insulation materials, adhe	REACH Candidate List: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
410	598-63-0	Lead(II)carbonate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
411	60-09-3	Amino-azobenzene, 4-	Also known as aniline yellow, CI 11000 or under many other common historical names. This chemical was implicated in the 1980s vegetable oil poisoning incident when added to industrial oil that was put into the food market. It is used	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.003%
412	60348-60-9	Pentabromodiphenylether, (2,2',4,4',5'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
413	605-50-5	Diisopentylphthalate	This phthalate is used as a plasticiser in plastic goods and may be present above 0.1% w/w in such articles. It is also used in the manufacture of propellants and explosives and as such may be found in ammunition and rifle powders above 0.1% w/w.	REACH Candidate List: 0.1%, REACH Annex XIV; REACH Annex XVII				0.1%
414	60-57-1	Dieldrin	Pesticide			Stockholm Convention		
415	6080-56-4	Lead(II)acetate, trihydrate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.1%
416	60851-34-5	Hexachlorodibenzofuran, (2,3,4,6,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
417	608-93-5	Pentachlorobenzene	Pesticide, flame retardant	REACH Candidate List: 0.1%, REACH Annex XVII		Stockholm Convention		
418	61288-13-9	Octabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
419	615-05-4	Methoxy-m-phenylenediamine, 4-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
420	61788-33-8	Polychlorinated terphenyls	Additive, heat transfer agent	REACH Annex XVII;				0.005%
421	61-82-5	Amitrol (Aminotriazol)	Herbicide	EU Reg. 540/2011 EC Reg. 1107/2009				
422	62229-08-7	Sulfurous acid, lead salt, dibasic	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
423	624-49-7	Dimethyl fumarate	The substance is normally used as an additive to silica gel sold in small packs. The packs release DMFu during transport of products in order to avoid mold, mostly in furniture, textiles and	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
424	625-45-6	Methoxyacetic acid	Used in chemical synthesis, cleaning agent, metal finishing, cosmetics	REACH Candidate List: 0.1%				0.1%
425	629-14-1	Diethoxyethane, 1,2-	This substance is a glycol ether and belongs to the glyme family of chemicals and is expected to have similar applications; monoglyme, diglyme and triglyme are also included on the Candidate List. Globally, common uses for glycol ethers are as a solvent	REACH Candidate List: 0.1%				0.1%
426	630-20-6	Tetrachloroethane (1,1,1,2-	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
427	63387-28-0	Nonabromodiphenylether, (2,2',3,3',4,4',5,5',6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
428	63936-56-1	Nonabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
429	63938-10-3	Chlorotetrafluoroethane HCFC-124	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015:	EPA Ozone Layer protection Danish Regulation 1386/2015	
430	639-58-7	Triphenyltin chloride	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
431	64359-81-5	Isothiazolone- 3(2H)- 4,5-dichlor-2-octyl	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
432	6454-35-9	Bis(tributyltin) fumarate	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
433	64-67-5	Diethyl sulphate	Used mainly as a reagent in chemical synthesis.	REACH Candidate List: 0.1%				0.1%
434	6477-64-1	Lead dipicrate	No registration for this substance has been submitted to ECHA. 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	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
435	6517-25-5	Tributyltin sulfamate	Anti-fouling systems containing organotin compounds as a biocide,additive	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
436	65996-93-2	Pitch, coal tar, high temp.	Pitch, coal tar, high temp. is mainly used in the production of electrodes for industrial applications. Smaller volumes are dedicated to specific uses such as heavy duty corrosion protection, special purpose painting and manufacture of	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
437	661-97-2	Dichlorohexafluoropropane (CFC-216)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
438	666-27-3	Tetrachlorofluoropropane (HCFC-241)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
439	67562-39-4	Heptachlorodibenzofuran, (1,2,3,4,6,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
440	67-66-3	Chloroform	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
441	67-72-1	Hexachlorethane	In manufacturing or processing non-ferrous metals	REACH Annex XVII				
442	67774-32-7	Hexabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.005%		0.1%
443	67797-09-5	Octabromodiphenylether, (2,2',3,3',5,5',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	EU No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
444	678-26-2	Dodecafluoropentane (PFC-4-1-12)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
445	6786-83-0	Naphthalene-1-methanol, α, α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)- (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EU No. 202- 027-5) or Michler's base (EU No.	Colorant with uses that may include dyes and inks, including in ball pens, cosmetics such as soaps, fuels, dyeing of paper, card, plastic, wood, lacquers and coatings, analytical / R&D/diagnostic uses. May be found in Wind screen washing fluid.	REACH Candidate List: 0.1%				0.1%
446	679-84-5	Bromotetrafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
447	679-85-6	Monochlorotetrafluoropropane (HCFC-244)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
448	68-12-2	Formamide, N,N-dimethyl-	DMF is used as a reagent and solvent in many industrial applications in the chemical industry. It is also used in the production and cleaning of polyurethane synthetic/artificial leather and some plastics. It may be used as a degreaser in the metal	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
449	683-18-1	Dibutyltin dichloride (DBTC)	This substance is used as an additive in the production of tyres and other rubber products. It is also used as a stabiliser in PVC, for example in water pipes, PVC textile products and packing materials), as a catalyst in the production of	REACH Candidate List: 0.1%				0.1%
450	68515-42-4	Benzene-1,2-dicarboxylic acid, di-C7-11-branched and	This substance may be used as a plasticizer for PVC.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
451	68515-50-4	Benzenedicarboxylic acid (1,2), dihexyl ester, branched and linear	UVCB substance	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
452	68515-51-5	Benzenedicarboxylic acid, (1,2-), di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3%	These substances are used for example as 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 Candidate List: 0.1%, REACH Annex XIV				0.1%
453	68631-49-2	Hexabromodiphenylether, (2,2',4,4',5,5'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	EU No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
454	68648-93-1	Benzenedicarboxylic acid, (1,2-), di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3%	These substances are used for example as 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 Candidate List: 0.1%, REACH Annex XIV				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
455	68784-75-8	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD)]; the substance is a member of	UV fluorescent tubes	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
456	688-73-3	Tributyltin hydride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
457	68928-80-3	Heptabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
458	69011-06-9	Dioxotrilead,[Phthalato(2-)]	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%; REACH Annex XVII				0.1%
459	690-39-1	Hexafluoropropane (HFC-236fa)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
460	70648-26-9	Hexachlorodibenzofuran, (1,2,3,4,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
461	70776-03-3	Polychlorinated naphthalenes (more than 1 chlorine atoms)	Additive	(EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		
462	7094-94-2	Triphenyltin chloroacetate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
463	7125-83-9	Propane, 1,1,1-Trichloro-3,3,3-trifluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
464	7125-84-0	Trichlorotrifluoropropane (HCFC-233)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
465	7125-99-7	Propane, 1,1-Dichloro-1,2,2- trifluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
466	71-43-2	Benzene	Solvent, degreasing agent	REACH Annex XVII:				0.0005%
467	71-48-7	Cobalt(II) diacetate	Cobalt(II) diacetate is mainly used in the manufacture of catalysts or as a catalyst. Minor uses may include the manufacture of other chemicals including pigments, surface treatments, in alloys, dyes, rubber adhesion, and as a feed additive.	REACH Candidate List: 0.1%				0.1%
468	71-55-6	Methylchloroform	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
469	71888-89-6	Benzene-1,2-dicarboxylic acid, di-C6-8-branched alkyl	This substance may be used as a plasticizer for PVC and some ink and coatings formulations.	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
470	72-20-8	Endrin	Pesticide			Stockholm Convention		
471	72629-94-8	Pentacosafuorotridecanoic acid	Processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant uses / impurity. Laboratory chemical.	REACH Candidate List: 0.1%				0.1%
472	72918-21-9	Hexachlorodibenzofuran, (1,2,3,7,8,9-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
473	7440-24-6	Strontium	Radioactive substance, many uses	(EU) No. 1257/2013	EURATOM	Hong Kong Convention MEPC.269(68), 2015		
474	7440-38-2	Arsenic	Pb and Cu alloys, metal adhesives, soft solders, electronics and pigments.	REACH Annex XVII				
475	7440-41-7	Beryllium	In alloys, mirrors, semiconductors				Exemptions: in copper alloys, in welding	
476	7440-46-2	Cesium	Radioactive substance, many uses	(EU) No. 1257/2013	EURATOM	Hong Kong Convention		
477	7446-14-2	Lead(II)sulfate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
478	7446-27-7	Lead phosphate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 0.1%	Danish Regulation 856/2009	0.01%
479	74-83-9	Methylbromide	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
480	7487-94-7	Mercury(II)chloride	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.01%
481	74-97-5	Bromochloromethane (Halon-)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
482	75-09-2	Dichloromethane	Solvent, paint stripper, degreaser, propellant, blowing agent	REACH Annex XVII, 0.1%			Danfoss decision	0.1%
483	75-10-5	Difluoromethane (HFC-32)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
484	75-12-7	Formamide	An intermediate used in the manufacture of pharmaceuticals and vitamins. Also used as a solvent, and as a laboratory reagent. May also be used in the production of pyrimidines, in hydrogen cyanide production, as an intermediate for paper finishing.	REACH Candidate List: 0.1%				0.1%
485	75-35-4	1,1-Dichloroethene	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
486	75-37-6	Difluorethane (HFC-152a)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
487	75-43-4	Dichlorofluoromethane (HCFC-21)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
488	75-45-6	Monochlorodifluoromethane (HCFC-22)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
489	75-46-7	Carbon trifluoride (HFC-23)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
490	75-56-9	Methyloxirane (Propylene oxide)	Intermediate in the production of polyether polyols and glycols for use in making polyurethane plastics and resins. Also used in the preparation of lubricants, surfactants, and oil demulsifiers. Used as a fumigant for	REACH Candidate List: 0.1%				0.1%
491	75635-23-3	Trifluralin	Pesticide	EU ban since 2009				
492	75-63-8	Bromotrifluoromethane (Halon-1301)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
493	75-68-3	Monochlorodifluoroethane (HCFC-142b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
494	75-69-4	Trichlorofluoromethane (CFC- 11)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
495	75-71-8	Dichlorodifluoromethane (CFC-12)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
496	75-72-9	Chlorotrifluoromethane (CFC- 13)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
497	75-73-0	Tetrafluoromethane (PFC-14)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
498	75-88-7	Monochlorotrifluoroethane (HCFC-133a)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
499	76-01-7	Pentachloroethane	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
500	76-12-0	Tetrachlorodifluoroethane (CFC-112)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
501	76-13-1	Trichlorotrifluoroethane (CFC- 113), 1,1,2-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
502	76-14-2	Dichlorotetrafluoroethane (CFC-114)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	


No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
503	76-15-3	Monochloropentafluoroethane (CFC-115)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
504	76-16-4	Hexafluoroethane (PFC-116)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
505	76-17-5	Trichloropentafluoropropane, 1,1,2,3-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
506	76-19-7	Octafluoropropane (PFC-218)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
507	762-49-2	Bromofluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
508	76253-60-6	Monomethyl-tetrachlorodiphenyl	Replacement for PCB	REACH Candidate List: 0.1%, REACH				
509	04-04-7632	Sodium peroxometaborate	A source of active oxygen in many detergents	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
510	76-44-8	Heptachlor	Pesticide			Stockholm Convention		
511	7646-79-9	Cobalt dichloride	The most common use is for the detection of moisture, for example as a color indicator in drying agents such as silica gel. Paper impregnated with cobalt chloride, known as "cobalt chloride paper" has been used to detect the	REACH Candidate List: 0.1%				0.1%
512	76-87-9	Triphenyltin hydroxide	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
513	77-09-8	Phenolphthalein	Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal	REACH Candidate List: 0.1%				0.1%
514	7738-94-5	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and	Acids generated from chromium trioxide and their oligomers are mainly used in metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. It is also used as a fixing agent in waterborne wood pres	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
515	77536-66-4	Actinolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
516	77536-67-5	Anthophyllite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
517	77536-68-6	Tremolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
518	77-58-7	dibutyltin dilaurate (DBTL)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1%; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
519	7758-97-6	Lead chromate	Lead chromate is used for manufacturing pigments and dyes, and as a pigment or coating agent in industrial and maritime paint products or varnishes. Further potential uses may be associated with the formulation of detergents and bleaches, photosensitive	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
520	776297-69-9	Phthalate, n-pentyl-isopentyl-	Plasticiser for plastic products, adhesives, paints, etc. Not pre-registered, so use likely to be low or present as an impurity	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
521	7775-11-3	Sodium chromate	Sodium chromate is mainly used as an intermediate in the manufacture of other chromium compounds as well as a laboratory analytical agent, but this use is limited. Other potential uses are mentioned in the literature but whether they occur in the EU is no	REACH Candidate List, REACH Annex XIV				
522	77-78-1	Dimethyl sulphate	Dimethyl sulfate is a strong methylating agent used to convert compounds such as phenols, amines, and thiols to the corresponding methyl derivatives. It is also used as a methylating or sulfating agent in the manufacture of methyl esters, ethers, and amin	REACH Candidate List: 0.1%				0.1%
523	7778-39-4	Arsenic acid	Mainly used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards	REACH Candidate List, REACH Annex XIV, REACH Annex XVII				
524	7778-44-1	Calcium arsenate	Calcium arsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. It appears mainly to be used as precipitating agent in copper smelting and to manufacture diarsenic trioxide.	REACH Candidate List: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
525	7778-50-9	Potassium dichromate	Potassium dichromate is used for chrome metal manufacturing and as corrosion inhibitor for treatment and coating of metals. It is further used as textile mordant, as laboratory analytical agent, for cleaning of laboratory	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
526	7783-35-9	Mercuric sulfate	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.01%
527	7784-40-9	Lead hydrogen arsenate	An insecticide for food. It has been widely banned for many years. This substance is very unlikely to be present in articles above 0.1%.	REACH Candidate List: 0.1%, Annex XVII				0.1%
528	7789-00-6	Potassium chromate	Potassium chromate is used as a corrosion inhibitor for treatment and coating of metals, for manufacture of reagents, chemicals and textiles, as a coloring agent in ceramics, in the manufacture of pigments/inks and in the	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
529	7789-06-2	Strontium chromate	Strontium chromate pigment is used as an anti-corrosion ingredient for some paints. It has uses in coatings for the aerospace and vehicle sectors as well as in coil coating applications.	REACH Candidate List, REACH Annex XIV				
530	7789-09-5	Ammonium dichromate	Ammonium dichromate is mainly used as an oxidizing agent. Other known uses are in the manufacture of photosensitive screens and as mordant in the manufacture of textiles. Minor uses seem to comprise metal treatment and laboratory analytical agent.	REACH Candidate List, REACH Annex XIV				
531	7789-12-0	Sodium dichromate	This substance is an important reagent for the production of a wide range of chemicals. It is also used in metal finishing process, leather tanning and in some ceramics / glasses. This substance is very unlikely to be present in articles above 0.1% except	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
532	7790-79-6	Cadmium fluoride	Used in the manufacture of glass and phosphors, and in the production of metallic alloys. Also used in optics and electronics, luminescent screens, solar cells, electric brushes, dielectric ceramics for capacitors, as a fluxing	REACH Candidate List: 0.1%				0.1%
533	7799-56-6	Propane, 1,1-Dichloro-1-fluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
534	78-00-2	Tetraethyllead	Formerly used as an antiknock additive in leaded petrol. It is still used as an additive in aviation fuel for pistonengine-powered aircraft.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
535	7803-57-8	Hydrazine	Hydrazine is used as a foaming agent, as a precursor to polymerization catalysts and pharmaceuticals. Additionally, hydrazine is used in various rocket fuels and to prepare the gas precursors used in air bags. Hydrazine is also used as a corrosion	REACH Candidate List: 0.1%				0.1%
536	78-30-8	Tri(ortho)cresylphosphate	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Ortho-TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	*0.5%
537	78-32-0	Tricresylphosphate (all isomers except ortho)	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Ortho-TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	*0.5%
538	79-00-5	Trichloroethane (1,1,2-)	Solvent, degreasing agent	REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015	Danish Reg. 1386/2015	0.1%
539	79-01-6	Trichloroethylene ("TRI")	Trichloroethylene is mainly used as intermediate in the manufacture of chlorinated and fluorinated organic compounds. Other uses are for cleaning and degreasing of metal parts or as solvent in adhesives.	REACH Candidate List, REACH Annex XIV			Danfoss decision. General ban since 1985.	
540	79-06-1	Acrylamide	Acrylamide is almost exclusively used for the synthesis of polyacrylamides, which are used in various applications, in particular in waste water treatment and paper processing. Minor uses of acrylamide comprise the preparation of	REACH Candidate List: 0.1%, Annex XVII: 0.1%				0.1%
541	79-16-3	Acetamide, N-methyl-	Intermediate for chemical synthesis in the production of pharmaceuticals, pesticides and electronic materials	REACH Candidate List: 0.1%				0.1%
542	79-34-5	Tetrachloroethane (1,1,2,2-)	Solvent, degreasing agent	REACH Annex XVII: 0.1%				
543	8001-35-2	Toxaphene	Insecticide			Stockholm Convention		
544	8001-58-9	Creosote	In wood preservatives, packaging materials	REACH Annex XVII				
545	80-05-7	Bisphenol A	Production of polymers, Manufacture of polycarbonate epoxy resins and chemicals: hardener in epoxv resins, in	REACH Candidate List 0.1%, REACH Annex XVII 0.02%				0.02%
546	8012-00-8	Pyrochlore, antimony lead yellow	Pigment in paints and enamels	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
547	80-46-6	Phenol, p-(1,1-dimethylpropyl	Manufacture of chemicals and plastic products	REACH Candidate List 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
548	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	A fragrance which may be incorporated into complex fragrance mixtures. Although not manufactured in the EU it may be formulated into imported fragrance compositions. This substance is very unlikely to be present in any EU produced articles.	REACH Candidate List, REACH Annex XIV				
549	81161-70-8	Monomethyl-dichloro-diphenyl methane	Replacement for PCB	Reach Annex XVII				
550	811-95-0	Trichlorofluoroethane (HCFC- 131b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
551	811-97-2	Tetrafluoroethane (HFC- 134a)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
552	812-04-4	Dichlorotrifluoroethane (HCFC-123b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
553	818-99-5	Propane, 1,1,3-Trichloro-1-fluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
554	819-00-1	Dichlorodifluoropropane (HCFC-252)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
555	838-88-0	Methylenedi-o-toluidine, 4,4' -	This substance is used as an intermediate in the production of elastomers, dyes and colourants.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
556	84-75-3	Dihexyl phthalate	This phthalate is used as a plasticizer for PVC	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
557	84777-06-0	Benzenedicarboxylic acid (1,2), dipentylester, branched and linear	This phthalate may be used as a plasticiser for plastic materials. It was not registered for the 2010 deadline and thus is thought to be in low usage in the EEA. However, it may be present in imported plastic articles	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
558	84852-15-3	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	Surface active agents	REACH Annex XVII: 0.1%				0.1%
559	85409-17-2	Stannane, tributyl-, mono(naphthenoxyloxy) derivs.	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
560	85-42-7	Cyclohexane-1,2-dicarboxylic anhydride [1], cis- cyclohexane-1,2-dicarboxylic anhydride [2], trans- cyclohexane-1,2-dicarboxylic anhydride [3] <i>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations	Used as hardeners for epoxy resins, intermediates for alkyds, plasticizers, insect repellents and rust inhibitors	REACH Candidate List: 0.1%				0.1%
561	85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds. The	REACH Candidate List: 0.1% (EU) 2019/1021, EU 2030/2015, 1% in mixtures, 0.15% in articles: (EU)		Hong Kong Convention MEPC.269(68), 2015; 1%. Stockholm Convention		0.1%
562	872-50-4	Pyrrolidone, 1-Methyl-2-	This substance is used as an intermediate and as an industrial solvent for surface treatment of textiles, resins and metal coated plastics or as a paint stripper. It is also used in the pharmaceutical and agrochemical industries. Restrictions entry 71.	REACH Candidate List: 0.1% REACH Annex XVII				0.1%
563	87-86-5	Pentachlorophenol	Pesticide	EU) 2021/277 (EU) 2019/1021 REACH Annex XVII: 0.1%		Stockholm Convention		0.1%
564	88-85-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	Miticide, herbicide (withdrawn from use). High temperature polymerization inhibitor for styrene, methylstyrene and other styrene analogues. Also used as organic intermediate	REACH Candidate List: 0.1%				0.1%
565	90-04-0	Methoxyaniline, 2-	Mainly used in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminium foil.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
566	900-95-8	Triphenyltin acetate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
567	90454-18-5	Dichloro-1,1,2-trifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
568	90640-80-5	Anthracene oil	The listed anthracene oil based substances are mainly used in the manufacture of other substances such as anthracene and carbon black. They may also be used as reducing agents in blast furnaces, as components in bunker	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
569	90640-81-6	Anthracene oil, anthracene	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
570	90640-82-7	Anthracene oil, anthracene-	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
571	90-94-8	Benzophenone, 4,4'-bis(dimethylamino)- (Michler's ketone)	Important intermediate in the manufacture of triphenylmethane dyes. May be used as a colouring agent in the paper and paper products sector. May be present in dyes and pigments as a	REACH Candidate List: 0.1%				0.1%
572	91031-62-8	Fatty acids, C16-18, lead salts	Stabiliser used in production of pvc products, particularly construction products such as piping, cables, etc.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
573	91-59-8	2-Naphthylamine	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
574	91-94-1	3,3'- Dichlorobenzidine	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
575	91995-15-2	Anthracene oil, anthracene paste,	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
576	91995-17-4	Anthracene oil, anthracene paste, distn.	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
577	92-66-0	4-Bromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
578	92-67-1	4-Aminobiphenyl	Starting chemical for many azo dyes and will be a residue from production or may even form as a metabolite (breakdown product) from certain materials. Possible residue in textiles and coloured materials	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.003%
579	92-86-4	Dibromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
580	92-87-5	Benzidine	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
581	92-93-3	4-Nitrobiphenyl		REACH Annex XVII: 0.1 %				0.1%
582	95-53-4	2-Aminotoluene	Intermediate in chemical synthesis of herbicides, rubber chemicals, dye and pigment intermediates, resin hardeners, fungicide intermediates, pharmaceutical intermediates, and others	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.003%
583	95-69-2	4-Chloro-o-toluidine	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
584	95-76-1	3,4-Dichloroaniline	Manufacture of chemicals					
585	95-80-7	Methyl-1,3-benzenediamine, 4-	Used mainly as an intermediate, but also may appear as residue in polyurethane foams from polymer production	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.003%
586	959-98-8	Endosulfan	Insecticide			Stockholm Convention		
587	96-18-4	Propane, 1,2,3-Trichloro-	TCP is used as an industrial solvent, as a monomer and as an intermediate for the synthesis of chlorinated solvents, some cross-linking agents and chlorinated solvents. Historically it had uses in consumer products such as paint strippers but must no longer	REACH Candidate List: 0.1%				0.1%
588	96-45-7	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	This substance is used as a vulcanisation agent and in the production of tyres and general rubber	REACH Candidate List: 0.1%				0.1%
589	97-56-3	Amino-2',3'-dimethylazobenzene, 4-	Azo dye, may be used as a staining agent in biological sciences. Formerly used for coloring oils, fats, and waxes.	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.003%
590	98-95-3	Nitrobenzene	Manufacture of other substances	REACH Candidate List:				0.1%
591	99-55-8	5-Nitro-o-toluidine	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0.003% (30ppm)				0.003%
592	99688-47-8	Monomethyl-dibromo-diphenyl methane	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	Reach Annex XVII				
593	99-99-0	4-Nitrotoluene	Manufacture of chemicals					
594	All	Cadmium compounds	Stabilizers in polymers like PVC, Used in pigments in paints and plastics, present also in electronics. In soldering materials	REACH Annex XVII: Prohibited in polymers (0.01%); In paints on products				0.01%
595	All	Mercury compounds	In lamps, electric switches, luminescent materials	REACH Annex XVII		Minamata Convention		
596	All	Organotin (Mono-, di-, and trialkyl and -aryl tin compounds) (e.g. below)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.25%
597	All	Cresylphosphates	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
598	All	Dicresylphosphates	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
599	All	Tricresylphosphates (TCP)	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, <u>acrylate lacquers, varnishes.</u>				Danfoss decision. Ortho-TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	*0.5%
600	All	All Amines (secondary) which facilitate the formation of nitrosamines	Corrosion protection, pH stabilizer				TRGS 611; 615, 0.2%	0.2%
601	All	Formaldehyde releasing substances (e.g. below)	Biocide in lubricants				Danfoss decision: 0.005% free formaldehyde as biocide in lubricants. In general: 0.15% formaldehyde	*0.005%
602	All	Isothiazolones	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
603	All	Mercaptobenzothiazoles	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
604	All	Mineral oil with PAH (e.g. below)	Base oils				Danfoss decision; 0.005% (50 ppm) Benz(a)pyren, 3% DMSO extract for the base oil	*0.005%
605	All	Morpholine releasing substances	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
606	All	Nonylphenol ethoxylates	Surface active agents	REACH Annex XVII				
607	All	Nonylphenols	Surface active agents	REACH Annex XVII: 0.1%				0.1%
608	All	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.	Surface active agents	REACH Annex XVII: 0.1%				0.1%
609	All	Tall oil distillates which contains adipinic acid	Extreme pressure additive				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
610	All	Hydrochlorofluorocarbons (HCFC)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
611	All	Hydrobromofluorocarbons (HBFC)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
612	All	HFC (Hydrofluorocarbons)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
613	All	PFC (Perfluorocarbons)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
614	All	Polychlorinated dibenzo-p-dioxins	Incineration and combustion pollutant			Stockholm Convention		
615	All	Radioactive substances	Many uses	(EU) No. 1257/2013	EURATOM	Hong Kong Convention MEPC.269(68), 2015 no threshold value		
616	All	PAH	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in <u>cable, cords and plugs.</u>	REACH Annex XVII				
617	All	Manmade mineral fibers with proven carcinogenic	Applies to work processes where there is a risk of exposure to respirable fibers				Danish Regulation 344/1988	
618	All	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	This group of substances covers for example, the product with the trade name "karanal". Public information sources indicate that the main use of karanal is as a fragrance ingredient.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
619	All	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-diethyl-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	Used as a heat stabilizer in the production of rigid PVC and some other plastics; may be found in some adhesives and pigment dispersions.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
620	All	Sodium perborate; perboric acid sodium salt	A source of active oxygen in many detergents	REACH Candidate List: 0.1%				0.1%
621	All	Nonylphenol, 4-, branched and linear, ethoxylated	Cleaning agents	REACH Candidate List: 0.1%				0.1%

<div>  <div> <h1>Kohsel's Negative list</h1> <p>Effective Date: <u>3-Sep-2022</u></p> </div> </div>								
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
622	All	Phenol (4-(1,1,3,3-tetramethylbutyl)-, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	This is part of the alkyl phenol ethoxylate group of substances used in detergents, inks, etc and have been voluntarily removed from the market by many companies. One concern is endocrine effects from environmental release. Found in printed papers, espe	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
623	All	Nonylphenol, 4-, branched and linear <i>[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	This is part of the alkyl phenol ethoxylate group of substances used in detergents, inks, etc and have been voluntarily removed from the market by many companies. One concern is endocrine effects from environmental release. Found in printed papers, espe	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
624	All	Aluminosilicate Refractory Ceramic Fibres <i>[are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EU) No 1272/2008 of the European Parliament and of the Council of 16 DEUember 2008 on classification, labelling	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 eq	REACH Candidate List: 0.1%				0.1%
625	All	Zirconia Aluminosilicate Refractory Ceramic Fibres <i>[are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EU) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling	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 eq	REACH Candidate List: 0.1%				0.1%
626	All	Chlorofluorocarbons (CFC)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
627	ALL	Conflict minerals from DR Congo or adjoining countries. The minerals include gold, tin, tantalum and tungsten or their derivatives.	Wall Street Reform and Consumer Protection Act. Section 1502. OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas. In support of Danfoss' policy on conflict min-erals, suppliers are required to supply materials to Danfoss that are DRC Conflict-Free. That means that the materials do not contain tantalum, tin, tungsten or gold (3TG) or if products supplied to Danfoss do contain these minerals, the minerals must originate outside the DRC, come from scrap or recycled sources, or be supplied from smelters that have been validated by an independent pri-vate sector party to be conflict- free. Suppliers are required to adopt policies and man- agement systems with respect to conflict minerals and to require their					-
628	All	BNST- Benzenamine, N-phenyl-, Reaction Products with Styrene and 2,4,4- Trimethylpentene						
629	All	Pentachlorophenol and by-Pesticide, disinfectant products of its synthesis				Stockholm Convention; California Prop65		
630	All	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual	Manufacture of polymers; formulation into lubricants	REACH Candidate List 0.1%				0.1%
631	All	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	Plasticiser, lubricant, wetting agent, corrosion inhibitor and in fire-fighting foams	REACH Candidate List 0.1%				0.1%
632	26447-40-5	Methylenediphenyl diisocyanate (MDI) including isomers	In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Annex XVII: 0.1%			Danfoss decision. Prohibited in foam packaging systems, <u>use allowed in embedding</u>	*0.1%
633	5873-54-1	2,4'-Methylenediphenyl diisocyanate (MDI)	In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Annex XVII: 0.1%			Danfoss decision. Prohibited in foam packaging systems, <u>use allowed in embedding</u>	*0.1%
634	2536-05-2	2,2'-Methylenediphenyl diisocyanate (MDI)	In foam packaging systems, use allowed in embedding of electronics and in	REACH Annex XVII: 0.1%			Danfoss decision	*0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
635	218-01-9	Chrysene	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.	REACH Candidate List 0.1%, REACH Annex XVII				0.1%
636	10325-94-7	Cadmium nitrate	Used for the manufacture of glass, porcelain and ceramic products and in laboratory chemicals	REACH Candidate List 0.1%				0.1%
637	21041-95-2	Cadmium hydroxide	Used for the manufacture of electrical, electronic and optical equipment and in laboratory chemicals.	REACH Candidate List 0.1%				0.1%
638	513-78-0	Cadmium carbonate	Used as a pH regulator and in water treatment products, laboratory chemicals, cosmetics and personal care	REACH Candidate List 0.1%				0.1%
639	All	Dechlorane Plus. 1,6,7,8,9,14,15,16,17,17,18,18 - Dodecachloropentacyclo [12.2.1.16.9.02.13.05.10]octadec a-7,15 diene("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	Used as a non-plasticising flame retardant, used in adhesives and sealants and in binding agents.	REACH Candidate List 0.1%				0.1%
640	All	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4- heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-benylphenol, branched	Used as a lubricant additive in lubricants and greases.	REACH Candidate List 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
641	1321-65-9	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		0.005%
642	1335-88-2	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	(EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		0.005%
643	1321-64-8	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	(EU) No. 1257/2013		Hong Kong Convention; 0.005%		0.005%
644	2234-13-1	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	(EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		0.005%
645	14567-73-8	Tremolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
646	10871-26-2	Short chain chlorinated paraff	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds. The	REACH Candidate List: 0.1% EC 2019/1021/EU, EU 2030/2015, 1% in mixtures, 0.15% in articles		Hong Kong Convention; 1%		0.1%
647	13768-00-8	Actinolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
648	556-67-2	Octamethylcyclotetrasiloxane	In silicone rubbers and polymers. Annex XVII: Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020.	REACH Candidate List: 0.1% REACH Annex XVII				0.1%
649	541-02-6	Decamethyl cyclopentasiloxan	In silicone rubbers and polymers. Annex XVII: For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.	REACH Candidate List: 0.1% REACH Annex XVII				0.1%
650	552-30-7	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic	Intermediate in chemical synthesis e.g. of polymers	REACH Candidate List 0.1%				0.1%
651	84-61-7	Dicyclohexyl phthalate (DCHP)	Plasticiser in PVC, polyvinyl acetate, plastisol, chlorinated rubber and other plastic polymers, with typical addition rates up to 10 % by weight of the plastic.	REACH Candidate List 0.1%				0.1%
652	12008-41-2	Disodium octaborate	Borates are used in wooden veneer sheets and pressed wooden panels, as a constituent within the starch adhesive, as a flame retardant and also as stabilizer in aminoplastic resins. Borates are used as a biocide in professional and industrial wood preservation	REACH Candidate List 0.1%				0.1%
653	540-97-6	Dodecamethylcyclohexasiloxane (D6)	In silicone rubbers and polymers.	REACH Candidate List 0.1%				0.1%
654	107-15-3	Ethylenediamine (EDA)	Intermediate in chemical synthesis e.g. of polymers	REACH Candidate List 0.1%				0.1%
655	61788-32-7	Terphenyl, hydrogenated	Plasticiser in adhesives, sealants and coatings	REACH Candidate List 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
656	67-56-1	Methanol	Solvent. Annex XVII: Shall not be placed on the market to the general public after 9 May 2018 in windscreen washing or defrosting fluids, in a concentration equal to or greater than 0.6% by weight	REACH Annex XVII				
657	6807-17-6	Methylpentane,- 4 (2,2-bis(4'-	Unlikely. 2,2-bis(4'-hydroxyphenyl)-4-methylpentane is also known as BisP-MIBK and may be used as an alternative to Bisphenol A (BPA). As such, BisP-MIBK may be found in thermal paper applications up to 3% by weight of the paper. BisP-MIBK may also be used as an ingredient in the manufacture of specialist polycarbonate plastic and specialist epoxy resins, however the residual level of BisP-MIBK in the manufacture of these specialist materials	REACH Candidate List 0.1%				0.1%
658	207-08-9	Benzo[k]fluoranthene	Unlikely. Benzo[k]fluoranthene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Benzo[k]fluoranthene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in rubber and	REACH Candidate List 0.1%				0.1%
659	206-44-0	Fluoranthene	Unlikely. Fluoranthene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Fluoranthene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in rubber and plastics.	REACH Candidate List 0.1%				0.1%
660	85-01-8	Phenanthrene	Unlikely. Phenanthrene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Phenanthrene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in rubber and plastics.	REACH Candidate List 0.1%				0.1%
661	129-00-0	Pyrene	Unlikely. Pyrene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Pyrene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in	REACH Candidate List 0.1%				0.1%
662	15087-24-8	Heptan-2-one, 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]-	This substances is not normally found in concentrations > 0.1% w/w in articles and materials used in mechanical products or electrical products. 3-Benzylidene Camphor is an organic compound that absorbs ultraviolet (UV) light. In Europe, 3-Benzylidene Camphor is an approved UV filter, which means that this ingredient can be added to sunscreen products that are designed to protect the skin from the sun.	REACH Candidate List 0.1%				0.1%
663	5216-25-1	Chloro-benzotrichloride, para-	Intermediate in chemical synthesis of e.g. colorants, biocides	REACH Annex XVII				
664	98-07-7	Benzotrichloride	Intermediate in chemical synthesis of e.g. colorants, biocides	REACH Annex XVII				
665	100-44-7	Benzyl chloride	Manufacturing of chemicals, chemical synthesis	REACH Annex XVII				
666	2475-45-8	Tetraaminoanthraquinone, 1,	Colorant, textile dispersive dye	REACH Annex XVII				
667	569-61-9	Benzenamine, 4,4'-(4-aminocyclohexa-2,5-dienylidene)methylene)dianiline hydrochloride	Dye and pigment, textile dye	REACH Annex XVII				
668	3165-93-3	ortho-toluidinium-4-chloro chloride	Manufacturing of dyes for textiles	REACH Annex XVII				
669	553-00-4	2	Intermediate in synthesis of dyes	REACH Annex XVII				
670	39156-41-7	Diaminoanisole, 2,4-, sulphate	Intermediate in synthesis of dyes	REACH Annex XVII				
671	21436-97-5	Trimethylaniline, 2,4,5-, hydrochloride	Intermediate in synthesis of dyes	REACH Annex XVII				
672	91-22-5	Quinoline	Manufacture of dyes	REACH Annex XVII				
673	110-49-6	2-Methoxyethyl acetate	Potential use as solvent. Not yet registered under REACH.	REACH Candidate List: 0.1%				0.1%
674	All	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched	Primarily used as an antioxidant to stabilise polymers	REACH Candidate List: 0.1%				0.1%
675	All	Tetrafluoro (2,3,3,3)-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	Processing aid in the production of fluorinated polymers.	REACH Candidate List: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
676	98-54-4	4-tert-butylphenol	Used in coating products, polymers, adhesives, sealants and for the synthesis of other substances.	REACH Candidate List: 0.1%				0.1%
677	All	Silanetriol, (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)-. Any of its mono, di- or tri-O-(alkyl) derivatives (TDFAs)	Additive combined with organic solvents, in spray products	REACH Annex XVII, 2ppb				2ppb
678	119313-12-1	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	Photoinitiator added to UV curable inks, toners, adhesives, resins, paints and other coatings.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
679	71868-10-5	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	Photoinitiator added to UV curable inks, toners, adhesives, resins, paints and other coatings.	REACH Candidate List: 0.1%				0.1%
680	71850-09-4	Diisohexyl phthalate	Plasticiser used in flexible polymers and rubbers, inks,	REACH Candidate List: 0.1%				0.1%
681	All	Perfluorobutane sulfonic acid (PFBS) and its salts	Water soluble surfactants and water resistant coatings in textiles, leather and carpets. May be used in coatings, paints	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
682	1072-63-5	1-vinylimidazole	In formulations and as a monomer in the production of polymers	REACH Candidate List: 0.1%				0.1%
683	693-98-1	2-methylimidazole	As a catalyst in the production of coating products	REACH Candidate List: 0.1%				0.1%
684	94-26-8	Butyl 4-hydroxybenzoate (Butylparaben)	Cosmetics, personal care products and pharmaceuticals	REACH Candidate List: 0.1%				0.1%
685	22673-19-4	Dibutylbis(pentane-2,4-dionato-O,O')tin	As a catalyst and as an additive in the production of plastics	REACH Candidate List: 0.1%				0.1%
686	143-24-8	Bis(2-(2-methoxyethoxy) ethyl) ether	Solvent, also known as tetraglyme, may be used as a solvent in battery electrolytes for sealed lithium ion batteries.	REACH Candidate List: 0.1%				0.1%
687	All	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy	Additive to PVC to make it more stable to heating and to protect against degradation from sunlight. Diocetyl tin dilaurate can also be used as a catalyst for the production of plastics including polyurethanes and certain silicones, and for room temperature vulcanisation (RTV) silicone rubber systems.	REACH Candidate List: 0.1%				0.1%
688	3648-18-8	Diocetyl tin dilaurate	Additive to PVC to make it more stable to heating and to protect against degradation from sunlight. Diocetyl tin dilaurate can also be used as a catalyst for the production of plastics including polyurethanes and certain silicones, and for room temperature vulcanisation (RTV) silicone rubber systems	REACH Candidate List: 0.1%				0.1%
689	91648-39-4	Stannane, dioctyl-, bis(coco acyloxy) derivs	Additive to PVC to make it more stable to heating and to protect against degradation from sunlight. Diocetyl tin dilaurate can also be used as a catalyst for the production of plastics including polyurethanes and certain silicones, and for room temperature vulcanisation	REACH Candidate List: 0.1%				0.1%
690	68937-41-7	Phenol, Isopropylated phosphate (3:1) (PIP (3:1))	PIP (3:1) is used as a plasticizer, a flame retardant, an antiwear additive, or an anti-compressibility additive in hydraulic fluid, lubricating oils, lubricants and greases, various industrial coatings, adhesives, sealants, and plastic articles				ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR Part 751, 86 FR 894, January 2021	
691	732-26-3	2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	2,4,6-TTBP has been used as a reactant, an intermediate, a product in organic chemical manufacturing, and as an antioxidant in plastic and resin manufacturing and as an ingredient in automobile fuel injector cleaners, as well as in lubricant additives and fuel additives (as an antioxidant) in gasoline				ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 866, January 2021.	
692	87-68-3	Hexachlorobutadiene (HCBd)	Used in rubber compounds, as a solvent, in lubricants, and as a hydraulic fluid			StockholmConve	ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 922, January	
693	133-49-3	Pentachlorothiophenol (PCTP)	Chemical peptizers are used to reduce viscosity during the production of rubber materials				ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 922, January	
694	123-91-1	1,4-dioxane	Used mainly as a solvent in manufacturing processes and as a stabiliser to store trichloroethane.	REACH Candidate List: 0.1%				0.1%
695	202-480-9	2,3-dibromo-1-propanol (2,3-DBPA)	Carcinogenic (Article 57a)	REACH Candidate List: 0.1%				0.1%
696	1522-92-5	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	Polymer production manufacture of plastics products, including compounding and conversion and as an	REACH Candidate List: 0.1%				0.1%
697	36483-57-5	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)	Polymer production manufacture of plastics products, including compounding and conversion and as an	REACH Candidate List: 0.1%				0.1%
698	3296-90-0	2,2-bis(bromomethyl)propane-1,3-diol (BMP)	Manufacture of polymer resins and in one component foam (OCPF) application.	REACH Candidate List: 0.1%				0.1%
699	80-54-6	2-(4-tert-butylbenzyl)propionaldehy		REACH Candidate List: 0.1%				0.1%
700	75166-30-2	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal		REACH Candidate List: 0.1%				0.1%
701	75166-31-3	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal		REACH Candidate List: 0.1%				0.1%
702	77-40-7	4,4'-(1-methylpropylidene)bisphenol	Bisphenol B is similar to Bisphenol A. Bisphenols are used to make various plastics such as	REACH Candidate List: 0.1%				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
703	111-30-8	glutaral	This is used as a disinfectant (such as to sterilise surgical instruments), in medication (to treat warts), as a preservative and as a biochemical	REACH Candidate List: 0.1%				0.1%
704	1372804-76-6	Alkanes, C14-16, chloro	PBT finds many uses as an engineering thermoplastic, particularly in electrical and automotive applications, including plug connectors, relays, keyboards, switches, distribution boxes, and fiber optic cable jackets	REACH Candidate List: 0.1%				0.1%
705	950-299-5	di-, tri- and tetrachlorotetradecane	PBT finds many uses as an engineering thermoplastic, particularly in electrical and automotive applications, including plug connectors, relays, keyboards, switches, distribution boxes, and fiber optic cable jackets	REACH Candidate List: 0.1%				0.1%
706	85535-85-9	Alkanes, C14-17, chloro	PBT finds many uses as an engineering thermoplastic, particularly in electrical and automotive applications, including plug connectors, relays, keyboards, switches, distribution boxes, and fiber optic cable jackets	REACH Candidate List: 0.1%				0.1%
707	198840-65-2	Tetradecane, chloro derivs.	PBT finds many uses as an engineering thermoplastic, particularly in electrical and automotive applications, including plug connectors, relays, keyboards, switches, distribution boxes, and fiber optic cable jackets	REACH Candidate List: 0.1%				0.1%
708	1333-73-9	Boric acid, sodium salt	Toxic for reproduction	REACH Candidate List:				0.1%
709	13840-56-7	Orthoboric acid, sodium salt	This substance is used in aqueous buffer solutions and in electroplating solutions. It may also be used in fluxes, as flame retardants in paper and wood and in lubricants	REACH Candidate List: 0.1%				0.1%
710	22454-04-2	Boric acid (H3BO3), disodium salt		REACH Candidate List: 0.1%				0.1%
711	25747-83-5	boric acid (H3BO3), sodium salt, hydrate		REACH Candidate List: 0.1%				0.1%
712	14890-53-0	Boric acid (H3BO3), sodium salt (1:1)		REACH Candidate List: 0.1%				0.1%
713	14312-40-4	Trisodium orthoborate		REACH Candidate List:				0.1%
714	121158-58-5	Phenol, dodecyl-,		REACH Candidate List:				0.1%
715	27459-10-5	4-isododecylphenol		REACH Candidate List:				0.1%
716	210555-94-5	Phenol, 4-dodecyl,		REACH Candidate List:				0.1%
717	74499-35-7	Phenol, (tetrapropenyl) derivatives		REACH Candidate List: 0.1%				0.1%
718	27147-75-7	4-isododecyl-Phenol		REACH Candidate List:				0.1%
719	57427-55-1	Phenol, tetrapropylene-		REACH Candidate List:				0.1%
720	75-01-4	Chloroethylene, Vinyl chloride		REACH Annex XVII	76/769/EEC		Woodward REACH	
721	1067-53-4	tris(2-methoxyethoxy)vinyls	Rubbers, plastics, sealants	REACH Candidate List:				0.1%
722	255881-94-8	S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithiopate	Lubricants, greases	REACH Candidate List: 0.1%				0.1%
723	119-47-1	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol	Rubbers, lubricants, adhesives, inks, fuels	REACH Candidate List: 0.1%				0.1%
		(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	Endocrine disrupting properties (Article 57(f) - human health)					
724	1782069-81-1	(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	Cosmetics	REACH Candidate List: 0.1%				0.1%
725	95342-41-9	(1R,3E,4S)-1,7,7-trimethyl-3-(4-	Cosmetics	REACH Candidate List: 0.1%				0.1%
726	852541-25-4	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-	Cosmetics	REACH Candidate List: 0.1%				0.1%
727	36861-47-9	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one	Endocrine disrupting properties (Article 57(f) - human health)	REACH Candidate List: 0.1%				0.1%
728	741687-98-9	(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	Cosmetics	REACH Candidate List: 0.1%				0.1%
729	852541-30-1	(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	Cosmetics	REACH Candidate List: 0.1%				0.1%
730	852541-21-0	(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	Cosmetics	REACH Candidate List: 0.1%				0.1%
731		Polychlorinated terphenyls (PCTs)	Shall not be placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight), propellant in aerosols	REACH Annex XVII, Candidate List 0,005 %				0.005%
732	75-01-4	Chloroethene		REACH Annex XVII				0.1%
733	126-72-7	Tris (2,3 dibromopropyl) phosphate		restricted under Annex XVII of REACH.	REACH Annex XVII			0.1%
734	545-55-1	Tris(aziridinyl)phosphinooxide		restricted under Annex XVII of REACH.	REACH Annex XVII			0.1%
735	96-32-2	Methyl bromoacetate		restricted under Annex XVII of REACH.	REACH Annex XVII		shall not apply to stink bombs containing not more than 1.5 ml of liquid	0.1%
736	105-36-2	Ethyl bromoacetate	used at industrial sites and in manufacturing.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
737	35223-80-4	Propyl bromoacetate	Volatile esters of bromoacetic acids	REACH Annex XVII				0.1%
738	18991-98-5	Butyl bromoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
739	105-36-2	Ethyl bromoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
740	96-32-2	Methyl bromoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
741	612-52-2	2-naphthylammonium chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
742	36341-27-2	Benzidine acetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
743	531-85-1	Benzidine dihydrochloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
744	531-86-2	[[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
745	612-82-8	4,4'-bi-o-toluidine dihydrochloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
746	612-83-9	3,3'-dichlorobenzidine dihydrochloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
747	72-57-1	Tetrasodium 3,3'-[[3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
748	2429-79-0	Disodium 5-[[4'-[(1-amino-4-sulphonato-2-naphthyl)azo][1,1'-biphenyl]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
749	2429-81-4	Tetrasodium 5-[[4'-[[2,6-diamino-3-[[8-hydroxy-3,6-disulphonato-7-[(4-sulphonato-1-naphthyl)azo]-2-naphthyl]azo]-5-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
750	2429-82-5	Disodium 5-[[4'-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo][1,1'-biphenyl]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
751	2429-83-6	Disodium 4-amino-3-[[4'-[[2,4-diamino-5-methylphenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
752	2429-84-7	Disodium 5-[[4'-[(2-amino-8-hydroxy-6-sulphonato-1-naphthyl)azo][1,1'-biphenyl]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
753	2602-46-2	Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diyl]bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
754	2893-80-3	Disodium 5-[[4'-[[2,4-dihydroxy-3-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
755	3476-90-2	Disodium 5-[[4'-[[1-hydroxy-7-(phenylamino)-3-sulphonato-2-naphthyl]azo][1,1'-biphenyl]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
756	3530-19-6	Disodium 8-[[4'-[[4-ethoxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-7-hydroxynaphthalene-1,3-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
757	3567-65-5	Disodium 7-hydroxy-8-[[4'-[[4-[(p-tolyl)sulphonyloxy]phenyl]azo][1,1'-biphenyl]-4-yl]azo]naphthalene-1,3-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
758	3626-28-6	Disodium 4-amino-5-hydroxy-3-[[4'-[(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-6-(phenylazo)naphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
759	3811-71-0	Disodium 5-[[4'-[[2,4-diamino-5-[(4-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
760	4335-09-5	Disodium 4-amino-5-hydroxy-6-[[4'-[(4-hydroxyphenyl)azo][1,1'-biphenyl]-4-yl]azo]-3-[(4-nitrophenyl)azo]naphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
761	5422-17-3	Trisodium 5-[[4'-[[8-amino-1-hydroxy-7-(p-nitrophenyl)azo]-3,6-disulphonato-2-naphthyl]azo]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
762	6360-54-9	Disodium 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-3-methylsalicylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
763	8014-91-3	Hexasodium 5,5'-[(3,7-disulphonato-1,5-naphthylene)bis[azo(6-hydroxy-3,1-phenylene)azo(6 or 7)-sulphonato-4,1-naphthylene]azo[1,1'-biphenyl]-4,4'-diylazo]]bis(salicylate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
764	13164-93-7	Disodium 5-[[4'-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulphonatophenyl)-1H-pyrazol-4-yl]azo]]1,1'-biphenyl]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
765	27336-24-9	Disodium 4,4'-diaminobiphenyl-2,2'-disulfonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
766	29806-76-6	1,1'-Biphenyl-4,4'-diamine, monoperoxchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
767	38668-12-1	[1,1'-Biphenyl]-4,4'-diamine, perchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
768	41195-21-5	Benzidine diperchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
769	41766-73-8	(1,1'-Biphenyl)-4,4'-diamine, dihydrofluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
770	52754-64-0	(1,1'-Biphenyl)-4,4'-diamine, monoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
771	66836-18-8	(1,1'-Biphenyl)-ar,ar',4,4'-tetramine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
772	66907-22-0	benzidine, phosphate (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
773	67632-50-2	Nickel(2+), ((1,1'-biphenyl)-4,4'-diamine-N)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
774	75534-79-1	(1,1'-Biphenyl)-4,4'-diamine, dihydriodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
775	75752-15-7	(1,1'-Biphenyl)-4,4'-diamine,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
776	78577-03-4	benzidine, mono(2-hydroxy-3,5-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
777	78577-08-9	benzidine, mono(3,5-dinitrobenzoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
778	92415-34-4	benzidine, bis(2-hydroxy-3,5-dinitrobenzoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
779	92415-52-6	benzidine, bis(3,5-dinitrobenzoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
780	70146-07-5	[2,2'-dichloro[1,1'-biphenyl]-4,4'-diyl]diammonium sulphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
781	74220-10-3	Dipotassium O,O'-(4,4'-diaminobiphenyl-3,3'-ylene)diqlycollate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
782	6426-67-1	1,3,6-Naphthalenetrisulfonic acid, 8-hydroxy-7-((4'-((2-hydroxy-1-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
783	8004-59-9	2,[[?]-Naphthalenedisulfonic acid, 4-[[[[[4-[[[4-amino-1-naphthalenyl)azo]-1-naphthalenyl]azo]-1-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
784	14414-68-7	Benzidine, hydrochloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
785	16071-86-6	Disodium [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo[1,1'-biphenyl]-4-yl]azo]salicylate(4-yl)cuprate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
786	21136-70-9	Benzidine sulphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
787	69029-67-0	Flue dust, lead-refining	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
788	70333-07-2	Disilver arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
789	84057-85-2	Thallium triarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
790	84282-36-0	2,6-dimethyl-4-(1-naphthyl)pyrylium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
791	84304-15-4	2,6-dimethyl-4-phenylpyrylium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
792	84304-16-5	4-cyclohexyl-2,6-dimethylpyrylium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
793	94138-87-1	Tris((8α)-6'-methoxycinchonan-9(R)-ol) arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
794	98106-56-0	Gallium zinc triarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
795	99035-51-5	Vanadium(4+) diarsenate (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
796	100258-44-4	Strychnidin-10-one, arsenite (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
797	100995-81-1	Slimes and Sludges, copper electrolytic refining, decopperized, arsenic-rich	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
798	102110-21-4	Arsenic acid (H3AsO4), magnesium salt, manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
799	102110-62-3	Slimes and Sludges, copper-lead ore roasting off gas scrubbing, arsenic-contg.	The product obtained by the purification of copper-lead ore concentrate roasting offgas. Composed primarily of arsenic oxide (As2O3).	REACH Annex XVII				0.1%
800	12005-86-6	Sodium hexafluoroarsenate(V)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
801	10048-95-0	Sodium arsenate dibasic heptahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
802	6131-99-3	Sodium cacodylate trihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
803	10102-49-5	Iron arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
804	10102-50-8	Iron bis(arsenate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
805	10103-50-1	Arsenic acid, magnesium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
806	10103-61-4	Arsenic acid, copper salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
807	10103-62-5	Arsenic acid, calcium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
808	10476-82-1	Strychnine arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
809	12005-75-3	Tricopper arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
810	12005-81-1	Dysprosium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
811	12005-88-8	Diiron arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
812	12005-89-9	Gadolinium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
813	12005-92-4	Holmium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
814	12005-94-6	Lutetium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
815	12005-95-7	Manganese arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
816	12006-08-5	Terbium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
817	12006-09-6	Thallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
818	12006-10-9	Thulium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
819	12006-12-1	Ytterbium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
820	12006-21-2	Iron diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
821	12006-40-5	Trizinc diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
822	12044-16-5	Iron arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
823	12044-20-1	Digallium arsenide phosphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
824	12044-21-2	Tripotassium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
825	12044-22-3	Trilithium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
826	12044-25-6	Trisodium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
827	12044-28-9	Praseodymium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
828	12044-49-4	Trimagnesium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
829	12044-54-1	Diarsenic tritelluride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
830	12044-55-2	Zinc diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
831	12068-61-0	Nickel diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
832	12254-85-2	Dichromium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
833	12254-88-5	Erbium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
834	12255-04-8	Lanthanum arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
835	12255-08-2	Niobium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
836	12255-09-3	Neodymium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
837	12255-36-6	Triantimony arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
838	12255-39-9	Samarium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
839	12255-48-0	Yttrium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
840	12255-50-4	Tribarium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
841	12255-53-7	Tricalcium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
842	12271-72-6	Germanium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
843	12417-99-1	Trisilver arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
844	12612-21-4	Arsenic sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
845	13462-93-6	Ammonium dihydrogenarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
846	13464-35-2	Potassium arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
847	13464-37-4	Trisodium arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
848	13464-38-5	Trisodium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
849	13464-44-3	Zinc arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
850	13464-68-1	Tristrontium diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
851	13477-04-8	Tribarium diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
852	13477-70-8	Trinickel bis(arsenate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
853	13478-14-3	Trilithium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
854	13510-44-6	Trisilver arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
855	22831-42-1	Aluminium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
856	24719-13-9	Triammonium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
857	24719-19-5	Tricobalt diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
858	27016-73-5	Cobalt arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
859	27016-75-7	Nickel arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
860	27152-57-4	Tricalcium diarsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
861	27569-09-1	3-methyl-4-(pyrrolidin-1-yl)benzenediazonium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
862	68611-46-1	Silicic acid (H4SiO4), zinc salt (1:2), arsenic and manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
863	68892-01-3	Bis(pentane-2,4-dionato-O,O')boron(1+) hexafluoroarsenate(1-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
864	68951-38-2	Antimony oxide (Sb2O3), mixed with arsenic oxide (As2O3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
865	69011-59-2	Lead alloy, base, dross		REACH Annex XVII				0.1%
866	69029-51-2	Lead, antimonial, dross		REACH Annex XVII				0.1%
867	15120-17-9	Sodium metaarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
868	16509-22-1	Copper diarsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
869	17029-22-0	Potassium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
870	17068-85-8	Hydrogen hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
871	21840-08-4	N-(p-arsenosophenyl)-1,3,5-triazine-2,4,6-	this substance is fatal if inhaled, is toxic if swallowed and is very toxic to aquatic	REACH Annex XVII				0.1%
872	28980-47-4	Antimony arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
873	29871-13-4	Arsenic acid, copper(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
874	29935-35-1	Lithium		REACH Annex XVII				0.1%
875	32680-29-8	Ammonium copper	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
876	32775-46-5	Europium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
877	39297-24-0	Tristronitium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
878	57900-42-2	Triphenylsulphonium hexafluoroarsenate(1-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
879	60909-47-9	Zirconium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
880	61219-26-9	Trimanganese arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
881	62337-00-2	Disodium 3,6-bis[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
882	62613-15-4	Diphenyliodonium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
883	63217-32-3	4-(ethylamino)-2-methylbenzenediazonium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
884	63217-33-4	4-(diethylamino)-2-ethoxybenzenediazonium hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
885	64475-90-7	Antimony arsenic oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
886	64973-06-4	Arsenic bromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
887	65453-05-6	Cobalt arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
888	67251-38-1	Tris(pentane-2,4-dionato-O,O')silicon hexafluoroarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
889	67712-00-9	Slimes and Sludges, copper refining	A complex combination resulting from copper processing-other than	REACH Annex XVII				0.1%
890	306-12-7	Oxophenarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
891	437-15-0	Tritylium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
892	457-60-3	Neoparsphenamine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
893	538-03-4	Oxophenarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
894	549-59-7	Tris[(8 α ,9R)-6'-methoxycinchonan-9-ol]bis(arsenate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
895	618-82-6	Sulfarsphenamine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
896	637-03-6	Phenylarsine oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
897	75-60-5	Dimethylarsinic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
898	121-19-7	Roxarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
899	124-65-2	Sodium dimethylarsinate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
900	139-93-5	6,6'-dihydroxy-3,3'-diarsene-1,2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
901	1303-00-0	Gallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
902	1303-11-3	Indium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
903	1303-33-9	Arsenic sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
904	1303-36-2	Diarsenic triselenide	Diarsenic triselenide is use in Arsenic compounds and selenium compounds with the exception of cadmium sulphoselenide and those specified	REACH Annex XVII				0.1%
905	3141-12-6	Triethyl arsenite	Arsenic compounds, this substance is toxic if swallowed, is toxic if inhaled, is very toxic to aquatic life, is very toxic to aquatic life with long lasting effects and is a flammable liquid and vapour.	REACH Annex XVII				0.1%
906	3688-92-4	Disodium 4-[(o-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
907	4519-32-8	Diphenyldiarsenic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
908	7631-89-2	Arsenic acid, sodium salt	Arsenic compounds, SODIUM	REACH Annex XVII				0.1%
909	7778-43-0	Disodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
910	7784-08-9	Trisilver arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
911	7784-33-0	Arsenic tribromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
912	7784-34-1	Arsenic trichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
913	7784-35-2	Trifluoroarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
914	7784-36-3	Pentafluoroarsorane	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
915	7784-37-4	Mercury	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
916	7784-38-5	Manganese hydrogenarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
917	7784-41-0	Potassium dihydrogenarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
918	7784-44-3	Diammonium hydrogenarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
919	7784-45-4	Arsenic triiodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
920	7784-46-5	Sodium dioxoarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
921	7786-36-9	Pentahydroxyarsorane	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
922	8028-73-7	Flue dust, arsenic-contg.	Formed when arsenic and metal oxide particles are driven off during the roasting and converting of copper concentrates and matte in the production	REACH Annex XVII				0.1%
923	10031-13-7	Lead arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
924	14849-23-1	2,2'-[ethylenebis(oxy)]bis[1,3,2-dioxarsolane]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
925	14973-92-3	Chlorotris(triphenylarsine)r hodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
926	15122-58-4	Proustite (Ag ₃ (AsS ₃))	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
927	21006-73-5	Tetraphenylarsonium (hydrogen dichloride)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
928	21892-63-7	Methylenebis(diphenylarsine)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
929	52740-16-6	Calcium arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
930	53669-45-7	Trisodium 4-[(o-arsonophenyl)azo]-3-oxidonaphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
931	55588-51-7	Acetarsol sodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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932	60154-16-7	3-formamido-4-hydroxyphenylarsonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
933	63468-73-5	Bromo(hydroxytetraphenyl arsonato)magnesium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
934	66019-20-3	Trisodium 3-[(o-arsonatophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
935	471-35-2	Tetramethyldiarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
936	494-79-1	Melarsoprol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
937	507-27-7	Tetraphenylarsonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
938	507-28-8	Tetraphenylarsonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
939	515-76-4	Difetarsone disodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
940	520-10-5	Trisodium 2-(hydrogen arsonatophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
941	534-33-8	Acetarsol-diethylamine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
942	554-72-3	Tryparsamide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
943	578-94-9	10-chloro-5,10-dihydrophenarsazine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
944	585-54-6	Sodium hydrogen [4-(acetamido)phenyl]arsonat	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
945	590-34-1	Allylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
946	593-58-8	Methyloxoarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
947	593-88-4	Trimethylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
948	598-14-1	Dichloro(ethyl)arsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
949	603-32-7	Triphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
950	617-75-4	Triethylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
951	618-22-4	4-acetamidophenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
952	622-68-4	4-(4-dimethylaminophenylazo)p henylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
953	676-75-5	Iododimethylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
954	696-28-6	Dichloro(phenyl)arsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
955	712-48-1	Chlorodiphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
956	829-83-4	Diphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
957	900-77-6	Methyl 1,2,5,6-tetrahydro-1-methylnicotinate, mono[(3-acetamido-4-hydroxyphenyl)arsonate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
958	945-48-2	Methyldiphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
959	1153-05-5	Triphenylarsine oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
960	58-36-6	Diphenoxarsin-10-yl oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
961	97-44-9	Acetarsol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
962	98-05-5	Phenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
963	98-14-6	4-hydroxyphenylarsonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
964	98-50-0	Arsanilic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
965	98-72-6	Nitarosone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
966	107-34-6	Propylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
967	116-49-4	Glycobiarsol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
968	119-96-0	Arsthinol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
969	121-59-5	Carbarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
970	124-58-3	Methylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
971	126-82-9	Disodium arsonoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
972	127-85-5	Sodium hydrogen 4-aminophenylarsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
973	132-33-2	4-[(2-arsonophenyl)azo]-3-hydroxynaphthalene-2,7-disulphonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
974	140-45-4	Sodium hydrogen [4-[(hydroxyacetyl)amino]phe nyl]arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
975	144-21-8	Disodium methylarsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
976	144-87-6	4-(glycolloylamino)phenylars onic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
977	1668-00-4	2,7-bis(2-arsonophenylazo)-1,8-dihydroxynaphthalene-3,6-disulphonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
978	1758-48-1	o-phenylenediarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
979	1772-02-7	Sodium p-[[4-[3-(2-arsono-4-nitrophenyl)triazen-1-yl]phenyl]azo]benzenesulph onate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
980	2045-00-3	2-aminophenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
981	2163-77-1	3-amino-4-hydroxyphenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
982	2163-80-6	Sodium methylarsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
983	10124-50-2	Potassium arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
984	10290-12-7	Copper arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
985	10476-87-6	Strychnine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
986	12006-15-4	Tricadmium diarsenide	This substance is used in formulation or re-packing and in manufacturing.	REACH Annex XVII				0.1%
987	2865-70-5	10-chloro-10H-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
988	2896-10-8	Tri-p-tolylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
989	3547-38-4	Disodium 3-[(o-arsonophenyl)azo]-4,5-dihydroxynaphthalene-2,7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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990	3599-28-8	Disodium [4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
991	3639-19-8	Difetarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
992	3772-44-9	2-[[7-[(2-arsonophenyl)azo]-1,8-dihydroxy-3,6-disulpho-2-p-tyl]arsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
993	3969-54-8	p-tolylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
994	4431-24-7	Ethylenebis(diphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
995	4808-24-6	10-[[dimethylthiocarbamoyl]thio]-5,10-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
996	5410-29-7	2-nitrophenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
997	5425-62-7	4-(2-chloroacetamido)phenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
998	5440-04-0	4-chlorophenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
999	5785-43-3	Calcium bis(dimethylarsinate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1000	5806-89-3	[4-[(4,6-diamino-1,3,5-triazin-2-yl)amino]phenyl]arsonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1001	5892-48-8	Sodium hydrogen (3-acetamido-4-hydroxyphenyl)arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1002	5902-95-4	Calcium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1003	5968-84-3	Iron tris(dimethylarsinate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1004	6380-34-3	Diiodo(phenyl)arsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1005	6634-88-4	Sodium p-arsonobenzenesulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1006	6966-64-9	4-(4-aminophenylazo)phenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1007	7681-83-6	Sodium 4-(glycolloylamino)phenylarsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1008	37382-15-3	Aluminium gallium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1009	593-89-5	Arsine, dichloromethyl-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1010	12044-79-0	Arsenic(III) sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1011	10102-53-1	Arsenic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1012	10103-60-3	Arsenic acid (H3AsO4), monosodium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1013	13464-42-1	Diarsenic acid, sodium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1014	10326-24-6	Arsenous acid, zinc salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1015	100822-74-0	Arsenous acid, lead(2+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1016	10102-48-4	Arsenic acid (H3AsO4), lead(4+) salt (3:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1017	102525-64-4	Arsenic acid (H3AsO4), copper(2+) salt (4:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1018	106097-61-4	Gallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1019	1122-90-3	4-Aminophenylarsenoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1020	117746-50-6	Magnesium arsenate, decahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1021	12005-69-5	Boron arsenide (BAs)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1022	12005-70-8	Boron arsenide (B6As)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1023	12005-96-8	Manganese arsenide (Mn2As)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1024	120119-64-4	Arsenic acid (H3AsO4), lead(2+) salt (2:3), tetrahydrate	hazardous to the environment; and carcinogenic, mutagenic, or toxic for reproduction	REACH Annex XVII				0.1%
1025	12044-32-5	Tin arsenide (SnAs)	hazardous to the environment; and carcinogenic, mutagenic, or toxic for reproduction	REACH Annex XVII				0.1%
1026	12044-42-7	Cobalt arsenide (CoAs2)	hazardous to the environment; and carcinogenic, mutagenic, or toxic for reproduction	REACH Annex XVII				0.1%
1027	12044-52-9	Platinum arsenide (PtAs2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1028	12256-04-1	Cobalt arsenide (CoAs3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1029	12279-90-2	Tetraarsenic tetrasulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1030	12344-68-2	Arsenic sulfide (As2S4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1031	12414-94-7	Arsenopyrite, cobaltoan	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1032	12523-20-5	Arsenous acid, antimony(3+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1033	12626-31-2	Arsenic selenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Arsorane, pentahydroxy-copper(2+) salt (1:2)						
1034	12777-38-7	Arsenic oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1035	127795-79-3	Arsenic acid (H3AsO4), ammonium salt (2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1036	12795-30-1	Nickel arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1037	1303-22-6	Rammelsbergite (NiAs2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1038	1303-39-5	Zinc arsenate oxide (Zn5(AsO3)4O3), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1039	13453-15-1	Diarsenic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1040	13464-31-8	Arsenic acid (H3AsO4), copper(2+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1041	13464-36-3	Arsenic acid, tripotassium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1042	13464-39-6	Arsenic acid, calcium salt (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1043	13466-06-3	Arsonic acid, disodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1044	13510-31-1	Boron arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1045	13510-72-0	Zinc arsenate, octahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1046	13702-38-0	Arsenic acid (H3AsO4), bismuth salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1047	13768-07-5	Arsenous acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1048	14644-70-3	Ammonium magnesium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1049	15194-98-6	Arsenous acid, calcium salt (2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1050	15195-06-9	Arsenous acid (HAsO2), strontium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1051	17068-86-9	Calcium arsenate fluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1052	17522-78-0	Arsenic chloride (AsCl)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1053	21093-83-4	Arsenic acid (H3AsO4), dipotassium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1054	21480-65-9	Arsenic acid (H3AsO4), magnesium salt (2:3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1055	22441-45-8	Arsenic pentachloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1056	24343-41-7	Arsenous acid, gallium salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1057	27526-45-0	Manganese arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1058	28837-97-0	Arsenous acid, zinc salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1059	29871-10-1	Arsenic acid (H3AsO4), cobalt(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1060	30621-31-9	arsenic acid (H3AsO4), calcium salt(2:3), dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1061	333-25-5	Arsine oxide, dichloro(2-chlorovinyl)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1062	33382-64-8	Arsenous acid, tricopper(1+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1063	33940-95-3	Arsenic acid (H3AsO4), lead(4+) salt (2:1), monohydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1064	33972-75-7	Arsenic acid, methyl-, iron salt (9Cl)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1065	33992-49-3	Arsenous acid, nickel(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1066	36267-15-9	Arsenous acid, tripotassium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1067	36465-76-6	Arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1068	37226-49-6	Arsenic chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1069	39310-41-3	Iron arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1070	40334-69-8	Arsine, bis(2-chlorovinyl)chloro-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1071	40334-70-1	Arsine, tris(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1072	41996-37-6	Arsenic chloride (AsCl2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1073	53404-12-9	Arsenic acid, (H3-As-O4), lead(4+) salt (4:3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1074	68784-76-9	Silicic acid (H4SiO4), magnesium manganese(2+) zinc salt, arsenic and lead-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1075	68957-75-5	Silicic acid (H4SiO4), tetraethyl ester, polymer with arsenic oxide (As2O3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1076	69507-43-3	Arsenous acid, silver(1+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1077	71130-50-2	Benzenesulfonic acid, 4-arsenoso-, sodium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1078	71130-51-3	Benzenesulfonic acid, 4-arsenoso-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1079	72845-34-2	Arsenous acid, lithium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1080	73156-86-2	Arsenous acid, copper(2+) salt, hydrate, (2:3:3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1081	7645-25-2	Arsenic acid (H3AsO4), lead salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1082	76871-63-1	Arsenous acid, neodymium(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1083	76871-65-3	Arsenous acid, lutetium(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1084	76871-66-4	Arsenous acid, cadmium neodymium(3+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1085	76407-89-1	Arsenic acid (H3AsO4), copper(2+) salt (2:3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1086	82005-78-5	Arsenous acid, cesium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1087	82980-40-3	Arsenous acid, mercury(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1088	83877-96-7	Arsenous acid, antimony(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1089	84953-43-5	Arsenous acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1090	85561-28-0	Arsenous acid, cobalt(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1091	85561-29-1	Arsenous acid, manganese(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1092	85906-44-1	Arsenous acid, manganese(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1093	85949-61-7	Arsenic acid (H3AsO4), calcium salt (7:10)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1094	86859-92-9	Arsenous acid, praseodymium(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1095	86859-93-0	Arsenous acid, cerium(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1096	88442-64-2	Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1097	89054-01-3	Arsenic acid (H3AsO4), copper(2+) salt (4:5)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1098	89054-03-5	Arsenic acid (H3AsO4), lead(2+) salt (4:5)	restricted under Annex XVII of REACH.	REACH Annex XVII				100.1%
1099	89054-07-9	arsenic acid, calcium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1100	89067-81-2	Arsenic acid (H3AsO4), calcium salt (4:5)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1101	91724-16-2	Strontium arsenite (Sr(As2O4))	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1102	92278-94-9	Arsenous acid, titanium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1103	93080-00-3	Arsonic acid, tin salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1104	94854-78-1	Arsenous acid, ammonium copper salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1105	94854-80-5	Arsenous acid, ammonium zinc salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1106	7774-41-6	ARSENIC ACID (H3ASO4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1107	6423-72-9	Arsenic acid, methyl-, calcium salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1108	13510-46-8	trisodium;trioxido(oxo)-S(IV)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1109	164170-84-7	Arsenic acid (H3AsO4), monopotassium salt, 1/5hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1110	62702-52-7	Tripotassium arsenate 3/2hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1111	13464-58-9	Arsenous acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1112	12397-66-9	Tin arsenide (Sn4As3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1113	37337-11-4	Arsenous acid, tricopper(1+) salt,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1114	56729-51-2	Arsenic tetrasulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1115	54058-01-4	Arsenic acid, monoammonium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1116	12512-13-9	Tetraarsenic trisulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1117	16973-45-8	Arsenic(5) hexafluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1118	87198-15-0	Arsenic tetrachloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1119	109882-46-4	Arsenic acid, lead(2+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1120	541-25-3	(2-Chloroethyl)arsonous dichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1121	56320-22-0	Arsenic sulfide (AsS2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1122	56450-43-2	Zinc arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1123	60168-33-4	Arsenous acid, iron(3+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1124	60189-99-3	Sodium oxidoarsonous	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1125	60646-36-8	Arsenic trichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1126	60953-19-7	Gallium arsenic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1127	61462-16-6	Strontium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1128	618-25-7	(4-((2-Amino-2-oxoethyl)amino)phenyl)arsinic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1129	6379-37-9	Arsenic acid, methyl-, compd. with 1-octanamine (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1130	7784-42-1	Arsine	This substance is used by professional workers (widespread uses), in formulation or re-packing and at	REACH Annex XVII				0.1%
1131	1499-33-8	Methyltriphenylarsonium iodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1132	13246-32-7	o-phenylenebis(dimethylarsine)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1133	13355-00-5	Melarsenyl potassium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1134	13367-92-5	Thiobis[methylarsine], anhydrosulphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1135	14674-83-0	Disodium hydrogen 2-[[7-[(2-arsenophenyl)azo]-1,8-dihydroxy-3,6-disulphonato-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1136	23525-22-6	Diphenylarsinecarbonitrile	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1137	23582-05-0	Bis[(2-diphenylarsinoethyl)phenyl]phosphine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1138	23582-06-1	[2-(diphenylarsino)ethyl]diphenylphosphine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1139	12774-48-0	Arsorane, pentahydroxy-, copper(2+) salt (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1140	73003-83-5	Tetraphenylarsonium chloride, compound with hydrochloric acid (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1141	80879-64-7	Strychnidin-10-one, compd. with	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1142	80925-03-7	Methyl 17α-hydroxy-yohimban-16α-carboxylate, methylarsonate (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1143	590-34-1	Allylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1144	622-68-4	4-(4-dimethylaminophenylazo)phenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1145	75113-37-0	Dibutyltin hydrogen borate	Suspected to be Mutagenic, Toxic to Reproduction, Skin sensitising and Borates	REACH Annex XVII				0.1%
		Cadmium and its compounds						
1146	814-88-0	Cadmium oxalate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1147	865-38-3	Cadmium dithiocyanate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1148	141-00-4	Cadmium succinate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1149	506-82-1	Dimethylcadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1150	542-83-6	Cadmium cyanide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1151	543-90-8	Cadmium di(acetate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1152	6427-86-7	Cadmium dipalmitate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1153	7058-55-1	Cadmium dianthranilate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1154	7789-42-6	Cadmium bromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1155	7790-80-9	Cadmium iodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1156	7790-81-0	Cadmium iodate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1157	7790-83-2	Cadmium dinitrite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1158	7790-85-4	Cadmium wolframate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1159	'8048-07-5	Cadmium zinc sulfide yellow	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77205.	REACH Annex XVII				0.1%
1160	10196-67-5	Cadmium myristate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1161	10468-30-1	Cadmium dioleate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1162	11112-63-3	Cadmium selenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1163	12014-14-1	Cadmium titanium trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1164	12014-28-7	Tricadmium diphosphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1165	12014-29-8	Antimony, compound with cadmium (2:3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1166	1191-79-3	Barium cadmium tetrastearate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1167	1306-24-7	Cadmium selenide	This substance is used by consumers, in articles, by professional workers (widespread uses), at industrial sites and in manufacturing.	REACH Annex XVII			selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex XVII	0.1%
1168	1306-25-8	Cadmium telluride	This substance is used in articles, at industrial sites and in manufacturing.	REACH Annex XVII			This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area at ≥ 100	0.1%
1169	2191-10-8	Cadmium di(octanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1170	2223-93-0	Cadmium distearate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1171	2420-97-5	Cadmium p-toluate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1172	2420-98-6	Cadmium bis(2-ethylhexanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1173	2605-44-9	Cadmium dilaurate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1174	2847-16-7	Cadmium didecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1175	3026-22-0	Cadmium bis[benzoate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1176	4167-05-9	Cadmium 4-(1,1-dimethylethyl)benzoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1177	4390-97-0	Cadmium cinnamate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1178	4464-23-7	Cadmium diformate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1179	4476-04-4	Cadmium sebacate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1180	5112-16-3	Cadmium nonan-1-oate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1181	14486-19-2	Cadmium tetrafluoroborate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1182	14566-86-0	Bis(dibutylthiocarbamate-S,S')cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1183	14689-45-3	Bis(pentane-2,4-dionato-O,O')cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1184	14874-24-9	Tris(ethylenediamine)cadmium dihydroxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1185	14923-81-0	Cadmium dicosanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1186	14949-59-8	Cadmium bis(piperidine-1-carbodithioate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1187	14949-60-1	Bis(dimethyldithiocarbamate-S,S')cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1188	15337-60-7	Lauric acid, barium cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1189	15682-87-8	Disodium tetrakis(cyano-C)cadmate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1190	15708-29-9	Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cadmate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1191	15743-19-8	Cadmium acrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1192	15851-44-2	Cadmium tellurium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1193	15852-14-9	Cadmium tellurium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1194	16039-55-7	Cadmium dilactate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1195	16056-72-7	Cadmium divanadium hexoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1196	16105-06-9	5-oxo-L-proline, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1197	16986-83-7	Cadmium propionate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1198	17010-21-8	Cadmium hexafluorosilicate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1199	18974-20-4	Bis(ethylenediamine)cadmium(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1200	18991-05-4	Bis(dichloroacetate(1,1))cadmium diphenolate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1201	19010-65-2	Cadmium bis(dipentylthiocarbamate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1202	19010-79-8	Cadmium disalicylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1203	24345-60-6	Cadmium methacrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1204	26264-48-2	Cadmium epoxyoctadecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1205	27476-27-3	Cadmium toluate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1206	12139-23-0	Cadmium zirconium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1207	12185-64-7	Pentacadmium chloridetriphosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1208	12187-14-3	Dicadmium niobate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1209	12214-12-9	Dicadmium selenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1210	12292-07-8	Cadmium ditantalum hexaoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1211	12442-27-2	Cadmium zinc sulphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1212	12626-36-7	Cadmium selenide sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1213	12656-57-4	Cadmium sulfoxoselenide orange	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77202.	REACH Annex XVII				0.1%
1214	13477-17-3	Tricadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1215	13477-19-5	Cadmium silicate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1216	13477-23-1	Cadmium sulphite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1217	13701-66-1	Diboron tricadmium hexaoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1218	13755-33-4	Dicadmium hexakis(cyano-C)ferrate(4-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1219	13814-59-0	Cadmium selenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1220	13814-62-5	Cadmium selenate	selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex	REACH Annex XVII				0.1%
1221	13832-25-2	Cadmium diricinoleate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1222	13847-17-1	Cadmium orthophosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1223	13972-68-4	Cadmium molybdenum tetroxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1224	14017-36-8	Cadmium disulphamate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1225	14067-62-0	Cadmium hydrogen phosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1226	14239-68-0	Cadmium bis(diethylthiocarbamate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1227	14312-00-6	Cadmium chromate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1228	14402-75-6	Cadmium dipotassium tetracyanide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1229	67906-19-8	Bis(propene-1,2-diyl)diamine-N,N')cadmium(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1230	67939-62-2	Cadmium diilinoleate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1231	67989-93-9	Tetrapotassium [[[[nitrilotris(methylene)]tris(phosphonato)]](6-)-N,O,O',O''']cadmate(6-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1232	68092-45-5	Cadmium m-toluate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1233	68131-58-8	Fatty acids, C10-18, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1234	68131-59-9	Fatty acids, C12-18, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1235	68214-25-5	Benzyltriphenylphosphonium tetrachlorocadmiate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1236	68309-98-8	Pentapotassium hydrogen [[[[ethylenebis[nitrilobis(methylene)]]tetrakis(phosphonato)](8-)]cadmate(6-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1237	68332-81-0	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and lead-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1238	68409-82-5	Fatty acids, C14-18, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1239	68478-53-5	Cadmium, benzoate p-tert-butylbenzoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1240	68479-13-0	Pyrochlore, bismuth cadmium ruthenium	An inorganic pigment that is the reaction product of high temperature calcination in which bismuth oxide, cadmium oxide, and ruthenium oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix	restricted under Annex XVII of REACH.	REACH Annex XVII			0.1%
1241	68784-10-1	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1242	68784-55-4	Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1243	68855-80-1	Fatty acids, tall-oil, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1244	68876-84-6	Fatty acids, C8-18 and C18-unsatd., cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1245	68876-98-2	Cadmium sulfide (CdS), aluminum and copper-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1246	68876-99-3	Cadmium sulfide (CdS), aluminum and silver-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1247	68877-00-9	Cadmium sulfide (CdS), copper chloride-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1248	68877-01-0	Cadmium sulfide (CdS), silver chloride-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1249	68891-87-2	Cadmium sulfide (CdS), copper and lead-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1250	68953-39-9	Fatty acids, tallow, hydrogenated, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1251	68956-81-0	Resin acids and Rosin acids, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1252	68966-97-2	Hydrogen [4-[[[5-chloro-4-methyl-2-sulphophenyl]azo]-3-hydroxynaphthalene-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1253	69011-69-4	Cadmium, dross	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1254	69012-21-1	Wastewater, cadmium sulfate electrolytic, acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1255	69012-57-3	Flue dust, cadmium-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1256	69029-63-6	Calcines, cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1257	69029-70-5	Leach residues, cadmium-refining	Product of leaching calcine and sump tank mud from lead ore refining with sulfuric acid. Consists primarily of lead sulfate and cadmium arsenate.	REACH Annex XVII				0.1%
1258	69029-77-2	Residues, cadmium-refining	Product from the washing of sweeps and cleanings from a cadmium plant. Consists primarily of metallic cadmium.	REACH Annex XVII				0.1%
1259	69029-90-9	Slimes and Sludges, cadmium-refining, oxidized	Product of adding oxidizer to solution in the cadmium plant. Consists primarily of hydroxides of cadmium, thallium and indium and cadmium arsenate.	REACH Annex XVII				0.1%
1260	69029-91-0	Slimes and Sludges, cadmium sump tank	Product of adding sodium carbonate to solutions in the cadmium plant. Consists primarily of cadmium carbonate with lesser amounts of carbonates and hydroxides of other nonferrous metals.	REACH Annex XVII				0.1%
1261	69121-20-6	Cadmium(2+) 12-hydroxyoctadecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1262	69190-99-4	Cadmium potassium 1-(hydroxyethylidene)bisphosphonate(1:2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1263	70084-75-2	Fatty acids, C12-18, barium cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1264	71243-75-9	Cadmium selenide (CdSe), solid soln. with cadmium sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1265	71411-66-0	(R)-12-hydroxyoleic acid, barium cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1266	71861-27-3	Tetra-μ-chlorodichlorobis[2-[[[2,3-dihydroxypropoxy]hydroxy phosphinyl]oxy]triethylmet hylammoniumato]tricadmium, stereoisomer	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1267	72869-63-7	Fatty acids, coco, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1268	72968-34-4	Zircon, cadmium yellow	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1269	29977-13-7	[[[N,N'-ethylenebis(glycinato)](2-)-N,N'-O,O']cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1270	30304-32-6	Cadmium isooctanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1271	31017-44-4	Cadmium dodecylbenzenesulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1272	31215-94-8	Cadmium (1,1-dimethylethyl)benzoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1273	34100-40-8	Cadmium [R-(R*,R*)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1274	34303-23-6	Cadmium didocosanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1275	36211-44-6	Cadmium 3,5,5-trimethylhexanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1276	38517-19-0	Cadmium(2+) (R)-12-hydroxyoctadecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1277	49784-42-1	Potassium [N,N-bis(carboxymethyl)glycinat o(3-)-N,O,O',O']cadmate(1-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1278	50648-02-7	Bis[N,N-bis(carboxymethyl)glycinat o(3-)]tricadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1279	51222-60-7	Boric acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1280	52337-78-7	Cadmium o-toluate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1281	55700-14-6	Cadmium bis(4-cyclohexylbutyrate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1282	56982-42-4	Cadmium divalerate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1283	58339-34-7	Cadmium sulfoselenide red	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77202.	REACH Annex XVII				0.1%
1284	61789-34-2	Naphthenic acids, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1285	61951-96-0	Cadmium neodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1286	62149-56-8	Cadmium bis(heptadecanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1287	63400-09-9	Cadmium pentadecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1288	64681-08-9	(S)-dichloro[2-[[[2,3-dihydroxypropoxy]hydroxy phosphinyl]oxy]triethylmet hylammoniumato]cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1289	93858-50-5	Bis(2-ethylhexyl mercaptoacetato - O',S)cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1290	93894-07-6	Cadmium bis(o-nonylphenolate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1291	93894-08-7	Cadmium bis(p-nonylphenolate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1292	93894-09-8	Cadmium bis[p-(1,1,3,3-tetramethylbutyl)phenolate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1293	93894-10-1	Cadmium (Z)-hexadec-9-enoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1294	93965-24-3	Cadmium isodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1295	93965-30-1	Cadmium bis(oundecanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1296	93983-65-4	Cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1297	94232-49-2	Cadmium tetrapentyl bis(phosphate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1298	94247-16-2	Cadmium isooctyl phthalate (1:2:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1299	94275-93-1	Cadmium (1-ethylhexyl) phthalate (1:2:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1300	94275-94-2	Cadmium octyl phthalate (1:2:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1301	94551-70-9	Leach residues, cadmium-contg. flue dust	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1302	95892-12-9	Cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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1303	97259-82-0	Cadmium diisobutyl dimaleate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1304	99749-34-5	Zircon, cadmium orange	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1305	100402-53-7	Cadmium chloride phosphate (Cd ₅ Cl(PO ₄) ₃), manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1306	100656-55-1	Flue dust, copper-lead blast furnace, cadmium-indium-enriched	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1307	101012-89-9	Dodecanoic acid, cadmium salt, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1308	101012-93-5	Octadecanoic acid, cadmium salt, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1309	101012-94-6	Octadecanoic acid, 12-hydroxy-, cadmium salt, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1310	101356-99-4	Cadmium oxide (CdO), solid soln. with calcium oxide and titanium oxide (TiO ₂), praseodymium-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1311	101357-00-0	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, aluminum and copper-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1312	101357-01-1	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, copper and manganese-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1313	101357-02-2	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1314	101357-03-3	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, gold and manganese-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1315	101357-04-4	Cadmium selenide (CdSe), solid soln. with cadmium sulfide, zinc selenide and zinc sulfide, manganese and silver-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1316	102110-30-5	Cadmium oxide (CdO), solid soln. with magnesium oxide, tungsten oxide (WQ3) and zinc oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1317	102184-95-2	Silicic acid, zirconium salt, cadmium pigment-encapsulated	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1318	5743-04-4	Acetic acid, cadmium salt, dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1319	7790-84-3	Sulfuric acid, cadmium salt, hydrate (3:3:8)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1320	35658-65-2	Cadmium chloride (CdCl ₂), monohydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1321	84696-56-0	Cadmium isononanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1322	84878-36-4	Cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1323	84878-37-5	Cadmium tert-decanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1324	84878-48-8	Cadmium bis(nonylphenolate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1325	84878-51-3	Cadmium bis(octylphenolate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1326	85117-02-8	Flue dust, lead-manufg., cadmium-rich	Residue obtained in the metallurgical treatment of lead concentrate in a lead blast furnace. The substance is composed of cadmium oxides, lead oxides, and impurities containing compounds of arsenic, chlorine, indium	REACH Annex XVII				0.1%
1327	85117-20-0	Waste solids, cadmium-electrolysis, thallium-rich	Residue obtained in the electrolysis of cadmium, composed primarily of thallium chromate. Other non-ferrous metals or metal compounds may also be present.	REACH Annex XVII				0.1%
1328	85586-15-8	Fatty acids, C9-11-branched, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1329	85958-86-7	Bis(5-oxo-L-prolinato-N1,O2)cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1330	85994-31-6	Bis(5-oxo-DL-prolinato-N1,O2)cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1331	90194-35-7	Benzenesulfonic acid, mono-C10-13-alkyl derivs., cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1332	90218-85-2	Benzoic acid, cadmium salt, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1333	90342-19-1	Decanoic acid, branched, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1334	90411-62-4	Hexanoic acid, 2-ethyl-, cadmium salt, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1335	90529-78-5	Propanoic acid, cadmium salt, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1336	90604-89-0	Cadmium zinc lithopone yellow	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77205:1.	REACH Annex XVII				0.1%
1337	90604-90-3	Cadmium lithopone yellow	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77199:1.	REACH Annex XVII				0.1%
1338	91053-44-0	Leach residues, cadmium cake	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1339	91053-46-2	Leach residues, zinc ore-calcine, cadmium-copper ppt.	Insoluble material precipitated by hydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt, copper, lead, manganese, nickel.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1340	91697-35-7	Fatty acids, castor-oil, hydrogenated, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1341	92257-06-2	Fatty acids, C8-10-branched, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1342	92257-11-9	Leach residues, zinc refining flue dust, cadmium thallium ppt.	Sponge produced by leaching and precipitating cadmium and thallium fumes and flue dusts from lead/zinc smelting operations.	REACH Annex XVII				0.1%
1343	92704-12-6	Fatty acids, C9-13-neo-, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1344	92704-15-9	Fatty acids, olive-oil, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1345	92704-19-3	Fatty acids, peanut-oil, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1346	92704-24-0	Fatty acids, rape-oil, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1347	92797-28-9	Fatty acids, C14-18 and C18-unsatd., branched and linear, hydrogenated, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1348	93686-40-9	Nonanoic acid, branched, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1349	93820-02-1	Carbonic acid, cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1350	10326-28-0	Perchloric acid, cadmium salt, hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1351	654054-66-7	Cadmium chloride (CdCl ₂), hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1352	7790-78-5	Cadmium chloride (CdCl ₂), hydrate (2:5)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1353	18532-52-0	Ammonium cadmium chloride (Ammonium cadmium trichloride)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1354	19262-93-2	Cadmium pyrophosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1355	22465-18-5	Cadmium sulfate octahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1356	25685-75-0	Cadmium, chloro(1,10-phenanthroline-2-carboxylato)-, polymers	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1357	29736-89-8	Cadmium hydroxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1358	30363-28-1	Disodium ethylenediaminetetraacetate cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1359	37131-86-5	Diphosphoric acid, barium cadmium salt (1:1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1360	21328-74-5	Cadmium, (29H,31H-phthalocyaninato(2-)-kappaN29,kappaN30,kappaN31,kappaN32)-, (SP-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1361	15244-35-6	Sulfuric acid, cadmium salt (1:1), hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1362	89759-80-8	Cadmium acetate hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1363	13464-92-1	Cadmium bromide tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1364	79490-00-9	Cadmium perchlorate hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1365	14518-94-6	Cadmium bromate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1366	72828-62-7	Zircon, cadmium red	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1367	592-02-9	Cadmium, diethyl-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1368	11129-14-9	Cadmium zinc sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1369	1345-09-1	Cadmium mercury sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1370	20648-91-3	Dipotassium tetrachlorocadmiate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1371	68512-49-2	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper chloride-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1372	68512-50-5	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1373	68512-51-6	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and copper-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1374	68583-43-7	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and silver-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1375	68583-44-8	Cadmium sulfide (CdS), solid soln. with zinc sulfide, nickel and silver-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1376	68583-45-9	Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1377	68584-41-8	Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and silver-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1378	68584-42-9	Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1379	71436-99-2	Dihydrogen bis[hydroxysuccinato(2-)-O1,O2,O4]cadmate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1380	22750-54-5	Cadmium chlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1381	71599-06-9	2-Butenedioic acid (Z)-, monooctadecyl ester, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1382	76835-97-7	22-Tricosenoic acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1383	116854-17-2	Tetracosanoic acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1384	116920-59-3	Tricosanoic acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1385	10060-09-0	Selenic acid, cadmium salt (1:1), dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1386	105034-60-4	Tetraiodide diammonium cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1387	14429-85-7	Cadmium trichloride monopotassium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1388	15276-40-1	Cadmium potassium hexachloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1389	16593-57-0	Cadmium bromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1390	18532-58-6	Cadmium chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1391	21360-94-1	Cadmium sodium tetrachloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1392	28041-77-2	Cesium sulfate cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1393	28302-54-7	Cadmium chloride potassium hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1394	30623-04-2	Potassium sulfate cadmium hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1395	55425-74-6	Cadmium trichloride 1 sodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1396	28038-18-8	Cadmium sulfate sodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1397	28038-25-7	Potassium sulfate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1398	32593-99-0	Monoammonium cadmium triiodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1399	34345-39-6	Cadmium sulfate caesium hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1400	38386-25-3	Potassium sulfate cadmium dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1401	77289-75-9	Cadmium chloride magnesium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1402	68441-39-4	Benzenediazonium, 4-(phenylamino)-, sulfate (1:1), polymer with formaldehyde, cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1403	68784-58-7	Cadmium borate oxide (Cd3(BO2)4O), manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1404	68876-90-4	Barium cadmium zinc sulfide (Ba2(Cd,Zn)S3), manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1405	68954-18-7	Cadmium laurate, palmitate, stearate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1406	69011-70-7	Cadmium sponge	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1407	69029-89-6	Slimes and Sludges, cadmium electrolytic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1408	70206-08-5	Cadmium chloride (CdCl2), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1409	72275-93-5	Cadmium, dichlorotetrakis(1H-imidazole-kappaN3)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1410	72589-96-9	Cadmium chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1411	72869-26-2	Cadmium zinc sulfide ((Cd,Zn)S), cobalt and copper-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1412	79990-52-6	Nitric acid, cadmium salt, hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1413	85688-00-2	Nitric acid, cadmium salt, dodecahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1414	87835-30-1	Pentanoic acid, 2-propyl-, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1415	29870-72-2	Cadmium mercury telluride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1416	35803-35-1	Disodium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON]cadmate(2-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1417	49784-44-3	Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-N,O,O',O']cadmate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1418	61129-40-6	Barium di-μ-chlorotetrachlorodicadmato(2-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1419	99587-10-7	Barium tetrachlorocadmato(2-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1420	12139-22-9	Cadmium peroxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1421	12213-70-6	Cadmium selenide sulfide, (Cd2SeS)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1422	13477-20-8	Cadmium mesosulfate (CdH2SO5) (7Cl)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1423	13477-21-9	Cadmium sulfate, tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1424	13477-22-0	Sulfuric acid, cadmium salt (1:1), heptahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1425	13760-37-7	Cadmium perchlorate (6Cl,7Cl)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1426	14520-70-8	Phosphoric acid, ammonium cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1427	15600-62-1	Cadmium diphosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1428	16984-36-4	D-Glucopyranose, 4-O-α-D-glucopyranosyl-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1429	17033-07-7	Octadecanoic acid, barium cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1430	17329-48-5	UNDECANSAEURE-CD-SALZ	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1431		Monomethyl-dichloro-diphenyl methane Trade name: Ugilec 121, Ugilec 21	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Nickel and its compounds						
1432	7440-02-0	Nickel	This substance is used in the following products: metals.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1433	12142-88-0	Nickel telluride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1434	12142-92-6	Nickel, compound with zirconium (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1435	12168-54-6	Diiron nickel tetraoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1436	12170-92-2	Di-μ-carbonylbis(η ⁵ -2,4-cyclopentadien-1-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1437	12175-27-8	Dysprosium, compound with nickel (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1438	12196-72-4	Lanthanum, compound with nickel (1:5)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1439	12201-89-7	Nickel disilicide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1440	12263-13-7	Trinickel bis[tetracosam-μ-oxododecaoxo[μ ¹² -[phosphato(3-)-O:O:O:O':O':O':O':O''':O''':O''']dodecamolybdato(3-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1441	12503-49-0	Antimony, compound with nickel (1:3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1442	12519-85-6	Trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1443	12607-70-4	[carbonato(2-)]tetrahydroxytrinickel	This substance is used in the following products: metal surface treatment products. And used for the manufacture of: electrical, electronic and optical equipment and machinery and vehicles.	REACH Annex XVII			Other release to the environment of this substance is likely to occur from: indoor use.	0.1%
1444	12653-76-8	Nickel titanium oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1445	12688-64-1	Bismuth, compound with nickel (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1446	12794-26-2	Bis(1-nitroso-2-naphtholato)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1447	13001-15-5	Nickel(2+) oleate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1448	70824-02-1	Bis(5-oxo-L-prolinato-N1,O2)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1449	70833-37-3	Bis(3-amino-4,5,6,7-tetrachloro-1H-isoindol-1-one oximate-N2,O1)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1450	71243-96-4	Trisodium [[2-[[[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino]sulphonyl]-29H,31H-phthalocyanine-1,8,15-trisulphonato(5-)-N29,N30,N31,N32]nickelato(3-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1451	71631-15-7	Nickel iron chromite black spinel	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77504.	REACH Annex XVII				0.1%
1452	71720-48-4	Ethyl hydrogen sulphate, nickel(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1453	71767-12-9	Nickel uranyl tetraacetate, of uranium depleted in uranium-235	uranium compounds with the exception of those specified elsewhere in this Annex	REACH Annex XVII				0.1%
1454	71889-22-0	[μ-(piperazine-N1:N4)]bis[3-[1-[(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl)hydrazono]ethyl]quinolin-2-ylidene-2,4,6-trisulphonato(2-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1455	71957-07-8	Bis(D-gluconato-O1,O2)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1456	72139-08-3	Dihydrogen hexasodium bis[3-[(2-amino-8-hydroxy-6-sulpho-1-naphthyl)azo]-2-hydroxy-5-sulphobenzoato(5-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1457	72152-45-5	Nickelate(6-), [[2-[[[3-[(4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]azo]-4-sulfo]phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulphonato(8-)-N29,N30,N31,N32]-, hexasodium, (SD 4.2)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1458	72229-81-3	Trisodium [[[[3-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]phenyl]amino]sulphonyl]tris(aminosulphonyl)-29H,31H-phthalocyaninetrisulphonato(5-)-N29,N30,N31,N32]nickelato(3-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1459	72828-53-6	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[[[1,3-dioxobutyl]amino]phenyl]a	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1460	72986-45-9	[N,N',N'',N'''-tetrakis[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyaninetetrasulphonamido(2-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1461	73892-02-1	Antimony oxide (Sb ₂ O ₃), solid soln. with nickel oxide (NiO) and titanium oxide (TiO ₂)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
1462	76625-10-0	Bis[N-(2-hydroxyethyl)-N-methylglycinato-N,O,N]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1463	79102-62-8	Tetrahydrogen [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1464	79121-51-0	Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')(2,2,4,4-tetramethyl-7-oxa-3,20-diazadispino[5.1.11.2]henic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1465	79817-91-7	Trisodium [5-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxy-3-[(2-hydroxy-3-nitro-5-sulphophenyl)azo]naphthalene-2,7-disulphonato(5-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1466	83898-70-8	Dimethoxy[29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1467	84144-92-3	Leach residues, nickel-vanadium ore	Residues from basic leaching of nickel-bearing vanadium ores. Composed primarily of silica and insoluble compounds of nickel and vanadium with <u>minor quantities of other metals, such as</u>	REACH Annex XVII				0.1%
1468	27574-34-1	[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1469	27637-46-3	Nickel isooctanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1470	28680-76-4	[29H,31H-phthalocyaninetetrasulphonyl tetrachloridato(2-)-N29,N30,N31,N32]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1471	28984-20-5	Bis(stilbene- α,β -dithiolato(2-)-)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1472	29204-84-0	Bis[2,3-bis(hydroxyimino)-N-phenylbutyramidato-N2,N3]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1473	29317-63-3	Nickel(II) isooctanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1474	30868-55-4	Nickel hexafluorozirconate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1475	30947-30-9	Nickel(2+) diethyl bis[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]phosphonate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1476	31748-25-1	Nickel silicate(3:4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1477	33882-09-6	[[2,2'-thiobis[3-octylphenolato]](2-)-O,O',S]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1478	34831-03-3	Hydrogen [N,N-bis(carboxymethyl)glycinato(3-)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1479	35884-66-3	Tetrakis(triitolyl phosphite)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1480	36026-88-7	Nickel bisphosphinate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1481	36259-37-7	Bis(dipentylidithiocarbamate-O,S,S')nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1482	37211-05-5	Nickel chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1483	37321-15-6	Silicic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1484	38465-55-3	Bis[1-[4-(dimethylamino)phenyl]-2-phenylethylene-1,2-dithiolato(2-)-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1485	38780-90-4	Tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)nickel(2+) dinitrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1486	38951-94-9	Bis[2-butene-2,3-dithiolato(2-)-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1487	38951-97-2	Bis[4,4'-dimethoxy- α,α' -stilbenedithiolato(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1488	39049-81-5	Dipotassium tris(cyano-C)nickelate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1489	39819-65-3	Nickel bis(benzenesulphonate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1490	41476-75-9	Nickel bis(piperidine-1-carbodithioate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1491	42739-61-7	Bis[2,3-bis(hydroxyimino)-N-(2-methoxyphenyl)butyramidato]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1492	42844-93-9	[1,3-dihydro-5,6-bis[[[2-hydroxy-1-naphthyl)methylene]amino]-2H-benzimidazol-2-onato(2-)-	This substance is used for the manufacture of: plastic products.	REACH Annex XVII				0.1%
1493	47726-62-5	[[2,2'-(4,8-dichlorobenzo[1,2-d:4,5-d']bisoxazole-2,6-diyl)bis(4,6-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1494	51222-18-5	Nickel acrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1495	51818-56-5	Neodecanoic acid, nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1496	51912-52-8	Copper, compound with lanthanum and nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1497	51931-46-5	Bis[3-[(4-chlorophenyl)azo]quinoline-2,4(1H,3H)-dionato]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1498	52022-10-3	Nickel [R(R*,R*)]-tartrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1499	52486-98-3	Bis[(2-hydroxyethyl)dithiocarbamate-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1500	52486-99-4	Bis[bis(2-hydroxyethyl)dithiocarbamate-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1501	52496-91-0	Nickel(2+) methacrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1502	52502-12-2	Nickel divanadium hexaoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1503	52610-81-8	Bis(diethyldithiocarbamate-S,S')nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1504	52625-25-9	Nickel 3,5-bis(tert-butyl-4-hydroxybenzoate (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1505	56557-00-7	Bis[2,4-dihydro-5-methyl-4-(1-oxodecyl)-2-phenyl-3H-pyrazol-3-onato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1506	58591-45-0	Cobalt nickel dioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1507	60700-37-0	Nickel(2+) acrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1508	61300-98-9	Hydrogen [3,4-bis[(2-hydroxy-1-naphthyl)methylene]amino]benzoato(3-)-N3,N4,O3,O4]nickelate(1-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1509	61725-51-7	Nickel, 3-[(4-chlorophenyl)azo]-4-hydroxy-2(1H)-quinolinone	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 12775.	REACH Annex XVII				0.1%
1510	61788-71-4	Naphthenic acids, nickel salts	This substance is used in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1511	63427-32-7	Bis(ethylenediamine-N,N')copper tetrakis(cyano-C)nickelate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1512	373-02-4	Nickel di(acetate)	This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1513	547-67-1	Nickel oxalate	This substance is used in manufacturing.	REACH Annex XVII				0.1%
1514	553-71-9	Nickel dibenzoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1515	557-19-7	Nickel dicyanide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1516	2223-95-2	Nickel(2+) stearate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1517	10101-96-9	Nickel(2+) selenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1518	10381-36-9	Trinickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1519	12003-78-0	Aluminium, compound with nickel (1:1)	This substance is used at industrial sites.	REACH Annex XVII				0.1%
1520	12004-35-2	Dialuminium nickel tetraoxide	This substance is used in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1521	12007-00-0	Nickel boride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1522	12007-01-1	Dinickel boride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1523	12007-02-2	Trinickel boride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1524	12018-18-7	Dichromium nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1525	12034-55-8	Nickel, compound with niobium (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1526	12035-36-8	Nickel dioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1527	12035-38-0	Nickel tin trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1528	12035-39-1	Nickel titanium trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1529	12035-52-8	Antimony, compound with nickel (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1530	12035-64-2	Dinickel phosphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1531	12035-72-2	Trinickel disulphide	This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1532	12054-48-7	Nickel dihydroxide	This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1533	12059-14-2	Dinickel silicide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1534	12059-23-3	Nickel, compound with tin (3:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1535	3264-82-2	Bis(pentane-2,4-dionato-O,O')nickel	This substance is used for the manufacture of plastic products.	REACH Annex XVII				0.1%
1536	3333-67-3	Nickel carbonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1537	3349-06-2	Nickel diformate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1538	3349-08-4	Nickel(2+) propionate	This substance is used in manufacturing.	REACH Annex XVII				0.1%
1539	3906-55-6	Nickel bis(4-cyclohexylbutyrate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1540	4454-16-4	Nickel bis(2-ethylhexanoate)	This substance is used in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1541	4995-91-9	Nickel(2+) octanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1542	6018-92-4	Trinickel dicitrate	This substance is used in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1543	6283-67-6	Nickel(II) fumarate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1544	7580-31-6	2-ethylhexanoic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1545	7757-95-1	Nickel(2+) sulphite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1546	7786-81-4	Nickel sulphate	This substance can be found in products with material based on: metal (e.g. cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile phones).	REACH Annex XVII				0.1%
1547	8007-18-9	Antimony nickel titanium oxide yellow	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77788.	REACH Annex XVII				0.1%
1548	10028-18-9	Nickel difluoride	This substance is used in articles, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1549	1271-28-9	Bis(η5-2,4-cyclopentadien-1-yl)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1550	1295-35-8	Bis(1,5-cyclooctadiene)nickel	This substance as Carcinogenic, Skin sensitising and Respiratory sensitising.	REACH Annex XVII				0.1%

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1551	1313-99-1	Nickel monoxide	This substance is used in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1552	1314-05-2	Nickel selenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1553	1314-06-3	Dinickel trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1554	13138-45-9	Nickel dinitrate	This substance is used in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1555	13462-88-9	Nickel dibromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1556	13462-90-3	Nickel diiodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1557	13463-39-3	Tetracarbonylnickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1558	13477-70-8	Trinickel bis(arsenate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1559	13478-93-8	Bis(butanedione dioximate)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1560	13637-71-3	Nickel diperchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1561	13654-40-5	Nickel(2+) palmitate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1562	13689-92-4	Nickel dithiocyanate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1563	13770-89-3	Nickel bis(sulphamide)	This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1564	13775-54-7	Dinickel orthosilicate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1565	13842-46-1	Nickel dipotassium bis(sulphate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1566	13859-60-4	Dipotassium tetrafluoronickelate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1567	13859-65-9	Tetrakis(trifluorophosphine)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				100.1%
1568	13869-33-5	[N-(carboxymethyl)glycinato(2-)-N,O,N]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1569	13877-20-8	Hexaaminenickel(2+) bis[tetrafluoroborate(1-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1570	13927-77-0	Nickel bis(dibutylthiocarbamate)	This substance is used at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1571	14038-85-8	Disodium tetracyanonickelate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1572	14055-02-8	[29H,31H-phthalocyaninato(2-)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1573	14100-15-3	Bis(quinolin-8-olato-N1,O8)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1574	14177-51-6	Nickel tungsten tetraoxide	This substance is used at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1575	14177-55-0	Molybdenum nickel tetraoxide	This substance is used in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1576	14216-75-2	Nitric acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1577	14220-17-8	Dipotassium tetracyanonickelate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1578	14264-16-5	Bis(triphenylphosphine)nickel(II) chloride	This substance is used at industrial sites.	REACH Annex XVII				0.1%
1579	14267-17-5	Bis(diethylthiocarbamate-S,S')nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1580	14332-34-4	Nickel hydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1581	14406-66-7	Bis(1-nitronaphthalen-2-olato-N1,O2)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1582	14428-08-1	Bis[bis(2-ethylhexyl)dithiocarbamate-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1583	14448-18-1	Dinickel diphosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1584	14507-36-9	Nickel bis(phosphinate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1585	14516-71-3	[(butylamine)][2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S'nickel	This substance is used in articles, in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1586	14522-99-7	Bis(6-methylheptane-2,4-dionato-O,O')nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1587	14550-87-9	Nickel dibromate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1588	14708-14-6	Nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1589	14721-18-7	Nickel chromate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1590	14874-78-3	Dinickel hexacyanoferrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1591	14949-69-0	Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1592	14998-37-9	Nickel acetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1593	15060-62-5	Nickel selenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1594	15317-78-9	Bis(diisobutylthiocarbamate)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1595	15521-65-0	Nickel bis(dimethylthiocarbamate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1596	15586-38-6	Nickel dichromate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1597	15699-18-0	Diammonium nickel bis(sulphate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1598	15751-00-5	Hexakis(1H-imidazole-N3)nickel(2+) dichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1599	15780-33-3	Nickel triuranium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1600	15843-02-4	Formic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1601	15843-91-1	Bis[2-hydroxy-4-(octyloxy)benzophenonato]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1602	15851-52-2	Nickel tellurium trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1603	15852-21-8	Nickel tellurium tetraoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1604	16083-14-0	Nickel(2+) trifluoroacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1605	16432-37-4	[[2,2'-sulphonylbis[4-(1,1,3,3-tetramethylbutyl)phenolato	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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1606	16812-54-7	Nickel sulphide	This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1607	18283-82-4	Citric acid, ammonium nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1608	18718-11-1	Nickel bis(dihydrogen phosphate)	This substance is used in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1609	18721-51-2	Nickel(2+) hydrogen citrate	This substance is used in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1610	20437-10-9	[[1,1'-[1,2-phenylenebis(nitrilomethylidene)]bis[2-naphtholato]](2-)-N,N',O,O']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1611	20543-06-0	Oxalic acid, nickel salt	Carcinogenic and Skin sensitising	REACH Annex XVII				0.1%
1612	21264-77-7	Bis(ethane-1,2-diamine)nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1613	21784-78-1	Nickel(2+) silicate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1614	22484-07-7	[μ-[1,1',1'',1''']-benzene-1,2,4,5-tetrayltetrakis(nitromethylidene)]naphth-2-olato[(4-)]dinickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1615	22605-92-1	Citric acid, nickel salt	This substance is used in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1616	24640-21-9	Ammonium nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1617	25481-21-4	Dihydrogen [[N,N'-ethylenebis[N-(carboxymethyl)glycinate]](4-)-N,N',O,O',ON,ON']nickelate(2-)	This substance is used in the following products: fertilisers.	REACH Annex XVII				0.1%
1618	26043-11-8	Nickel hexafluorosilicate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1619	113894-88-5	Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., potassium sodium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1620	113894-89-6	Nickelate(6-), [4-[2-[5-[[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulphophenyl]diazenyl]-4,5-dihydro-5-oxo-1-[5-[[[(C,C,C-trisulfo-29H,31H-phthalocyanin-C-yl)sulfonyl]amino]-2-sulphophenyl]-1H-pyrazole-3-carboxylato(8-)-κN29,κN30,κN31,κN32]-, sodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1621	12035-50-6	Nickel disulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1622	12035-57-3	Nickel silicide (NiSi)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1623	12035-77-7	Nickel Sulfide (NiS8)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1624	12059-21-1	Polydymite (Ni3S4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1625	12125-56-3	Nickel Black	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1626	12137-08-5	Nickel sulfide (Ni2S)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1627	12137-09-6	Nickel oxide (Ni3O4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1628	12167-08-7	Nickel carbide (NiC)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1629	12259-56-2	Nickel sulfide (Ni2S3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1630	12275-13-7	Carbamic acid, ethylenebis(dithio-, nickel(II) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1631	12334-31-5	Nickel, [carbonato(2-)]hexahydroxytetra-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1632	12359-17-0	Nickel oxide (Ni2O)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1633	12503-53-6	Nickel sulfide (Ni7S6)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1634	13778-29-5	Nitric acid, nickel(2+) salt, hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1635	13931-83-4	Nickel chloride(NiCl)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1636	14168-76-4	Sulfuric acid, nickel(2+) salt (1:1), monohydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1637	14323-41-2	Nickelate(2-), tetracyano-, dipotassium, hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1638	14396-43-1	Phosphoric acid, nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1639	14434-67-4	Nickel, bis(hexahydro-1H-azepine-1-carbodithioato-κS1,κS'1)-, (SP-4-1)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1640	14448-69-2	Octadecanoic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1641	15099-34-0	Nitric acid, nickel(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1642	16122-03-5	Nickelate(1-), trichloro-, ammonium, hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1643	16456-84-1	Nitric acid, nickel(2+) salt, tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1644	17030-82-9	Carbonic acid, nickel(2+) salt (1:1), hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1645	17237-93-3	Carbonic acid, nickel(2+) salt (2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1646	17638-48-1	Nickel chloride (NiCl2), dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1647	17861-62-0	NITROUS ACID, NICKEL (2+) SALT	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1648	18534-07-1	Nitric acid, nickel(2+) salt, octahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1649	18824-79-8	1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
1650	18972-69-5	Nickel(2+), bis(1,2-propanediamine-κN1,κN2)-bis(cyano-κC)aurate(1-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1651	198831-12-8	Aluminiummagnesiumnickelsiliziumoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1652	207803-51-8	Aluminum boron cobalt lithium nickel oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1653	22965-60-2	[bis(carboxylatomethyl)amino]acetate:nickel(3+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1654	23232-50-0	Nitric acid, nickel(2+) salt, dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1655	54576-53-3	Antimony nickel titanium oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1656	55868-93-4	Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, nickel(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1657	61092-77-1	Sulfuric acid, nickel(2+) salt (1:1), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1658	66341-42-2	Sulfuric acid, nickel(2+) salt (1:1), pentahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1659	66634-47-7	Sulfuric acid, nickel(2+) salt (1:1), dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1660	66732-80-7	Godlevskite (Ni7S6)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1661	67272-59-7	Nickel Sulfide (Ni4S)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1662	68189-15-1	Nickel, bis[[2-(hydroxy-κO)-4-octylphenyl]phenylmethan	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1663	68412-19-1	Nickel, [29H,31H-phthalocyaninato(2-)-κN29,κN30,κN31,κN32]-, [[3-aminophenyl]amino]sulfon	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1664	68412-20-4	Nickel, dextrin complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1665	68585-48-8	Sulfuric acid, nickel(2+) salt (1:1), reaction products with nickel and	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1666	70729-79-2	Nickelate(4-), [22-[[[4-sulfo-phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(6-)-κN29,κN30,κN31,κN32]-, hydrogen (1:4), (SP-4-2)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1667	70776-98-6	2-ethylhexanoic acid;nickel;2,2,2-trifluoroacetic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1668	71050-57-2	Acetic acid, nickel(2+) salt (2:1), polymer with formaldehyde and 4-(1,1,3,3-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1669	71215-73-1	Nickel, [[2,2'-(methylenebis(thio-κS))bis(acetato-κO)](2-)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1670	71215-97-9	Nickel(2+), tris(1,2-ethanediamine-κN,κN')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1671	71215-98-0	Nickel(2+), bis(1,2-ethanediamine-κN,κN')-, salt with dimethylbenzenesulfonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1672	71605-83-9	Nickel, bis[N-(hydroxy-3-(hydroxyimino-κN)-N'-(2-methoxyphenyl)butanimidamidato-κN')-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1673	106887-33-6	Nickel, [N-(4-chlorophenyl)-3-[2-[[1-(4-chlorophenyl)-4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]methylene]hydrazinylidene-κN2]-α-cyano-1H-isopindole-3-acetamidato(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1674	72162-32-4	Sulfuric acid, nickel salt (1:?), reaction products with sulfurized phenol calcium salt (2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1675	72252-57-4	Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamidato(2-)-κN29,κN30,κN31,κN32]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1676	72453-55-5	Nickelate(6-), [C-[[[3-[2-[4,5-dihydro-3-methyl-5-oxo-1-[3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]ethenyl]phenyl]-1H-pyrazol-4-yl]diazanyl]-4-sulfo-phenyl]amino]sulfonyl]-29H,31H-phthalocyanine-C,C,C-trisulfonato(8-)-κN29,κN30	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1677	77245-35-3	Nickel, bis[[didecyl (1,2-dicyano-1,2-ethenediyl)]bis[carbamato]] (2-)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1678	79357-65-6	Aluminum, triethyl-, reaction products with nickel(2+) 2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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1679	83864-02-2	Nickel, bis[(cyano-kC)triphenylborato(1-)-kN]bis(hexanedinitrile-kN,kN)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1680	84013-51-4	Nickel Sulfide (Ni7S3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1681	85017-75-0	Sulfuric acid, nickel(2+) salt (1:1), trihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1682	85298-61-9	Nickel, bis(diisononylcarbomodithioato-S,S')-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1683	86498-45-5	Nickel Sulfide (Ni3S5), trihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1684	90053-13-7	Phosphoric acid, compounds, nickel(2+) zinc salt (2:1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1685	91845-72-6	atty acids, (C=3-22), nickel salts, basic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1686	97599-06-9	Nickel Sulfide (NiS3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1687	97599-07-0	Nickel Sulfide (Ni5S4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1688	97599-08-1	Nickel Sulfide (Ni5S6)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1689	98443-26-6	Nickel Sulfide (Ni9S5)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1690	125275-86-7	Nickelate(1-), (formato-O)sulfato(2-)-O]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1691	125275-87-8	Nickelate(1-), (acetato-O)sulfato(2-)-O]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1692	125378-87-2	Nickelate(1-), [3-hydroxy-4-[(4-methyl-3-sulphophenyl)azo]-2-naphthalenecarboxylato(3-)-]-hydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1693	27911-69-9	Nickel sulfide (Ni(HS)2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1694	936576-64-6	Nickel, tris(neodecanoato-kappa.O)[.mu.3-orthoborato(3-)-kappa.O:kappa.O:kappa.O"]tri-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1695	12122-15-5	Nickel carbonate hydroxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1696	85585-99-5	Nickel, naphthenate neodecanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1697	85586-46-5	Bis(1H-1,2,4-triazole-3-sulphonato-N2,O3)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1698	85958-80-1	[[3-[1-cyano-2-(methylamino)-2-oxoethylidene]-2,3-dihydro-1H-isoindol-1-ylidene](salicylic)hydrazida	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1699	90459-30-6	Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1700	90459-31-7	Nickel, borate C8-10-branched carboxylate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1701	90459-32-8	Nickel, C5-C23-branched carboxylate octanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1702	90459-33-9	Nickel, isooctanoate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1703	90459-34-0	Nickel, acetylacetone 6-methyl-2,4-heptanedione complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1704	90459-35-1	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, [[3-[[5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]amino)sulfonyl sulfo derivs., sodium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1705	90459-36-2	Nickelate(4-), [bis[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino)sulfonyl]-29H,31H-phthalocyaninedisulfonato(6-)-N29,N30,N31,N32]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1706	91082-81-4	Waste solids, chromium-nickel steel manuf.	By-product from refined steel manufacture containing C, Cr, Fe and Ni (as Cr-Ni-grindings) and Cr2O3, FeO, MnO, NiO and SiO2 (as burned slag)	REACH Annex XVII				0.1%
1707	91082-84-7	Waste solids, nickel-manuf.	By-product from nickel production containing NiO, SiO2, CuO, and MnO	REACH Annex XVII				0.1%
1708	91697-41-5	Fatty acids, C6-19-branched, nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1709	92200-98-1	Nickel, C5-23-branched carboxylate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1710	92200-99-2	Nickel, C5-25-branched carboxylate naphthenate octanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1711	92502-55-1	Nickel, borate neodecanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1712	93573-14-9	Nickel, C5-23-branched carboxylate C4-10-fatty acids naphthenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1713	93573-15-0	Nickel, C4-10 fatty acids naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1714	93573-16-1	Nickel, C4-10 fatty acids octanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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1715	93573-17-2	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[[4-(aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, potassium sodium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1716	93762-59-5	Nickel, C5-23-branched carboxylate C4-10 fatty acids complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1717	93891-86-2	Nickelate(6-), [4-[[5-[[3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfonyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-, hexasodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1718	93920-08-2	(neononanoato-O)(neoundecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1719	93920-09-3	Nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1720	93920-10-6	Nickel(2+) neononanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1721	93939-76-5	Tetrasodium [[[(3-amino-4-sulphophenyl)amino]sulphonyl]-29H,31H-phthalocyaninetrisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1722	93983-68-7	Dimethylhexanoic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1723	94232-44-7	Cobalt(2+) dinickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1724	94232-84-5	Dicobalt(2+) nickel(2+) bis[2-hydroxypropane-1,2,3-tricarboxylate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1725	94275-78-2	Nickel methacrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1726	94891-42-6	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[[4-(aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1727	94891-43-7	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2-[[4-(aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt, sodium	This substance is used by consumers, in articles, in formulation or re-packing and at industrial sites.	REACH Annex XVII			Other release to the environment of this substance is likely to occur from: indoor use.	0.1%
1728	95046-47-2	Spinels, cobalt nickel zinc grey	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1729	97280-68-7	Tetrasodium [bis[[4-[[2-(sulphooxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninedisulphonato(6-)-N29,N30,N31,N32]nickelate(4-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1730	97404-21-2	[[[N,N',N''-[29H,31H-phthalocyaninetriyl]tris(sulphonylimino-3,1-phenylene)]]tris[3-oxobutylramidato]](2-)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1731	97404-22-3	[[[N,N',N''-[29H,31H-phthalocyaninetetrayl]tetrakis(sulphonylimino-3,1-phenylene)]]tetrakis[3-oxobutylramidato]](2-)-N29,N30,N31,N32]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1732	97435-21-7	Copper, bis(8-quinolinolato-N1,O8)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1733	12255-10-6	Nickel arsenide sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1734	12137-13-2	Nickel selenide (Ni3Se2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1735	25749-08-0	Ammonium nickel sulfate ((NH4)2Ni2(SO4)3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1736	10471-42-8	Nickel tartrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1737	41743-88-8	Perchloric acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1738	67163-62-6	Nickelate(Ni4O5)(1-),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1739	44121-71-3	Nickel(2+) hydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1740	12255-80-0	Nickel subarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

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1741	14751-76-9	Acetohydroxamic acid, N-fluorenyl-, nickel(2+) complex	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1742	63938-16-9	Cinnamic acid, nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1743	48042-08-6	Nickelate(2-), tetrakis(cyano-C)-, (SP-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1744	65405-96-1	[μ-(carbonato(2-)-O:O')]dihydroxydinickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1745	67763-27-3	[(propan-2-ol)[[2,2'-thiobis[4-(1,1,3,3-tetramethylbutyl)phenolato]](2-)-O,O',S]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1746	67906-12-1	Potassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinate]](4-)-N,N',O,O',ON,ON]nickelate(1-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1747	67952-41-4	Nickel(2+) dihydrogen bis[R-(R*,R*)]-tartrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1748	67952-43-6	Nickel dichlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1749	67952-69-6	Nickel(2+) glycerol phosphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1750	67968-22-3	Triammonium hydrogen [[nitrioltris(methylene)]tris(phosphonato)](6-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1751	68016-03-5	Cobalt dimolybdenum nickel octaoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1752	68025-13-8	Diammonium nickel bis(hydrogen citrate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1753	68025-40-1	Triammonium [N,N-bis(phosphonomethyl)glycinate(5-)]nickelate(3-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1754	68025-41-2	Trisodium [N,N-bis(phosphonomethyl)glycinate(5-)]nickelate(3-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1755	68052-00-6	Tetrasodium [[nitrioltris(methylene)]tris(phosphonato)](6-)-N,O,O",O"nickelate(4-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1756	68130-36-9	Molybdenum nickel hydroxide oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1757	68133-84-6	[(2-amino-2-oxoethoxy)acetato(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1758	68134-59-8	Formic acid, copper nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1759	68186-85-6	Cobalt titanite green spinel	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77377.	REACH Annex XVII				0.1%
1760	68186-89-0	Cobalt nickel gray pericase	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77332.	REACH Annex XVII				0.1%
1761	68187-10-0	Nickel ferrite brown spinel	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77497.	REACH Annex XVII				0.1%
1762	68309-97-7	Tris(4,7-diphenyl-1,10-phenanthroline-N1,N10)nickel(2+) bis(tetrafluoroborate(1-))	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1763	68334-36-1	Resin acids and Rosin acids, nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1764	68391-37-7	2,3-dihydroxypropyl (dihydrogen phosphate), nickel salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1765	70692-93-2	Nickel zirconium trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1766	68412-18-0	Nickel, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfo [[4-[[2-(sulfooxy)ethyl]sulfonyl]phenylamino]sulfonyl]deriv.	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1767	68511-62-6	Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1768	68512-22-1	Zinc sulfide (ZnS), nickel and silver-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1769	68515-84-4	Olivine, nickel green	An inorganic pigment that is the reaction product of high temperature calcination in which nickel (II) oxide and silicon oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of olivine. Its composition may include any one or a combination of the modifiers alkali or	REACH Annex XVII				0.1%
1770	68585-93-3	Zinc sulfide (ZnS), copper and nickel-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1771	68607-31-8	Resin acids and Rosin acids, calcium nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1772	68610-24-2	Nickel barium titanium primrose priderite	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77900.	REACH Annex XVII				0.1%
1773	68611-43-8	Nickelate(6-), [4-[[5-[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulphophenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[[trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulphophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1774	68758-60-1	Hexaamminenickel(2+) diformate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	Limit (%)
1775	68784-84-9	Zinc sulfide (ZnS), copper and nickel and silver-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1776	68912-08-3	Bis(2-heptadecyl-1H-imidazole-N3)bis(octanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1777	68958-86-1	Pentaammonium hydrogen [[[(ethylenebis[nitriobis(methylene)]tetrakisphosphonato)](8-)]nickelate(6-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1778	68958-87-2	Hydrogen pentapotassium [[[(ethylenebis[nitriobis(methylene)]tetrakisphosphonato)](8-)]nickelate(6-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1779	68958-88-3	Hydrogen pentasodium [[[(ethylenebis[nitriobis(methylene)]tetrakisphosphonato)](8-)]nickelate(6-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1780	68958-89-4	Nickel icosatitanium pentatriacontaoxide diwolframate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1781	69012-29-9	Slags, ferronickel-manufg.	By-product from the production of ferronickel from a complex ore. Consists primarily of oxides of aluminum, iron, <u>magnesium and silicon.</u>	REACH Annex XVII				0.1%
1782	69012-50-6	Matte, nickel	Product of blowing smelted nickel ore in a converter to lower the iron content.	REACH Annex XVII				0.1%
1783	69524-96-5	Bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1784	63588-33-0	Tetrapotassium [[[(nitrioltris(methylene)]tris(phosphonato)](6-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1785	63597-34-2	Tripotassium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1786	63640-18-6	Potassium [N,N-bis(carboxymethyl)glycinato(3-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1787	64696-98-6	[2,3'-bis[[[(2-hydroxyphenyl)methylene]amino]but-2-enedinitrilo(2-)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1788	65405-96-1	[μ-[carbonato(2-)-O,O']]dihydroxydinickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1789	68698-80-6	Nickelate(6-), [4-[[[5-[[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfoophenyl]azo]-4,5-dihydro-5-oxo-1-[5-[[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulfoophenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1790	69011-05-8	Nickel icosatitanium pentatriacontaoxide diwolframate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1791	84604-95-5	Bis[di(3,5,5-trimethylhexyl)dithiocarbamate-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1792	84776-45-4	Fatty acids, C8-18 and C18-unsatd., nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1793	84852-35-7	(isooctanoato-O)(neodecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1794	84852-36-8	(isodecanoato-O)(isononanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1795	84852-37-9	Nickel bis(isononanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1796	84852-38-0	(2-ethylhexanoato-O)(isooctanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1797	4852-39-1	(2-ethylhexanoato-O)(isodecanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1798	85026-81-9	Bis(5-oxo-DL-prolinato-N1,O2)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1799	85135-77-9	(2-ethylhexanoato-O)(neodecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1800	85166-19-4	(isodecanoato-O)(isooctanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1801	85269-39-2	Bis[N-(2,4-dimethoxyphenyl)-2,3-bis(hydroxyimino)butyramido-N2,N3]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1802	85480-75-7	Nickel, 2,2'-thiobis[4-nonylphenol] complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1803	85508-42-5	(isodecanoato-O)(neodecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1804	85508-43-6	Nickel(II) isodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1805	85508-44-7	Nickel(2+) neodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1806	85508-45-8	(2-ethylhexanoato-O)(isononanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1807	85508-46-9	(isononanoato-O)(isooctanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1808	85585-97-3	Nickel, isodecanoate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1809	85585-98-4	Nickel, isononanoate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1810	92200-98-1	Nickel, C5-23-branched carboxylate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1811	97660-42-9	Copper, bis(8-quinolinolato N1,O8)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH) ₂)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1812	98246-91-4	Speiss, lead, nickel-contg.	Product obtained and separated during the melting of nickel and other non-ferrous metals containing raw materials. Consists primarily of antimonides and arsenides of copper and nickel	REACH Annex XVII				0.1%
1813	99587-11-8	Diammonium tetrachloronickelate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1814	99749-23-2	Cassiterite, cobalt manganese nickel grey	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1815	102110-49-6	Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.	This substance is used at industrial sites.	REACH Annex XVII				0.1%
1816	14406-71-4	[2,2'-(1,2-phenylenebis(nitrilomethylidene))-bis(phenolato)]-N,N',O,O'-nickel(II)	This substance is used in articles, by professional workers (widespread uses), in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1817	148732-74-5	Tetrasodium (c-(3-(1-(3-(6-dichloro-5-cyanopyrimidin-4-yl(methylamino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenyl)sulfamoyl)phthalocyanine-a,b,d-trisulfonato(6-))nickelato II, where a is 1 or 2 or 3 or 4, b is 8 or 9 or 10 or 11, c is 15 or 16 or 17 or 18, d is 22 or 23 or 24 or 25 and 26 or 27 or 28 or 29 or 30)	This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area, but the tonnage data is confidential.	REACH Annex XVII				0.1%
1818	151436-99-6	Hexasodium (di-[N-(3-(4-(5-amino-3-methyl-1-phenylpyrazol-4-yl-azo)-2,4-disulfo-anilino)-6-chloro-1,3,5-triazin-2-ylamino)phenyl]-sulfamoyl)(di-sulfo)-	This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area, but the tonnage data is confidential.	REACH Annex XVII				0.1%
1819	738587-10-5	Nickel, 5-[2-(2-hydroxy-3,7-disulfo-1-naphthalenyl)diazonyl]-1H-1,2,4-triazole-3-carboxylate sodium	This substance is used by consumers, at industrial sites and in manufacturing. used in the following products: inks and toners.	REACH Annex XVII				0.1%
1820	52013-44-2	Nickel alloy, base, Ni 54.0-57.0, Ti 43-46, C 0-0.07, Co 0-0.05, Fe 0-0.05, O 0-0.05, Nb 0-0.025, Cr 0-0.01, Cu 0-0.01, H 0-0.005	This substance is used in articles and at industrial sites.	REACH Annex XVII				0.1%
1821	13940-83-5	Nickel fluoride (NiF ₂), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1822	134737-17-0	Nickel, [[29H,31H-phthalocyaninato(2-)-{?}N29,{?}N30,{?}N31,{?}N32]-, [[[[3-[[5-chloro-6-fluoro-4-pyrimidinyl]amino]phenyl]aminolsulfonyl sulfo derivs.	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1823	79745-01-0	Nickel, [[6,8,16,18-tetrachloro-1,11-bis(2-furanylmethyl)-1,10,11,20-tetrahydrodibenzo[[c,d]dipyrazolo[[3,4-f:3',4'-m]]1,2,5,8,9,12]hexaazacyclotetradecinato(2-)-N5,N10,N15,N20]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1824	14332-32-2	Nickel hydride (NiH)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1825	346417-97-8	cobalt lithium manganese nickel oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1826	131866-99-4	Nickel, [[29H,31H-phthalocyaninato(2-)-{?}N29,{?}N30,{?}N31,{?}N32]-, sulfo [[[[4-[[[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]sulfonyl derivs., sodium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1827	13477-97-9	Phosphinic acid, nickel(2+) salt, hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1828	15629-92-2	Nickel, dichloro[[1,1'-(1,3-propanediyl)bis[[1,1-diphenylphosphine-[?]P]]-bunsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1829	34492-97-2	bunsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1830	1314-04-1	millierite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1831	16039-61-5	nickel dilactate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1832	11132-10-8	nickel potassium fluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1833	17169-61-8	phosphoric acid, calcium nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1834	19372-20-4	diphosphoric acid, nickel(II) salt E	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1835	74195-78-1	diammonium nickel hexacyanoferrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1836	12137-12-1	trinickel tetrasulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1837	74646-29-0	trinickel bis(arsenite)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1838	12737-30-3	cobalt nickel oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1839	68130-19-8	silicic acid, lead nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1840	72319-19-8	2,7-naphthalenedisulfonic acid, nickel(II) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1841	65229-23-4	nickel boron phosphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1842	12031-65-1	lithium nickel dioxide	This substance is used at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1843	12673-58-4	molybdenum nickel oxide	metal marks on clothes and jewelry, in any post assemblies which are inserted into pierced ears and other pierced parts	REACH Annex XVII				0.1%
1844	924-42-5	N-(hydroxymethyl)acrylamide	Monomer in thermoplastic polymer production.	REACH Candidate List: 0.1% REACH Annex XVII				0.1%
1845	84852-39-1	(2-ethylhexanoato-O)(isodecanoato-O)nickel	this substance may cause cancer.	REACH Annex XVII				0.1%
1846	85551-28-6	(isononanoato-O)(neodecanoato-O)nickel	this substance may cause cancer.	REACH Annex XVII				0.1%
1847	34109-80-3	Titanate(2-), hexafluoro-nickel(2+), (1:1), (OC-6-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1848	34304-82-0	Nickel chloride (NiCl ₂), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1849	12213-15-9	Nickel, bis[2-phenyldiazene-carbothioic acid-κS]-2-phenylhydrazidato-κN2L-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1850	36897-37-7	Nickel dihydroxide hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1851	37187-84-1	Nickel hydride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1852	501953-51-1	Phosphoric acid, compounds, nickel(2+) zinc salt (2:1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1853	51449-18-4	Nickel, bis[1-[4-(diethylamino)phenyl]-2-phenyl-1,2-ethenedithiolato(2-)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1854	51467-07-3	Nickel(2+), hexaammine-, dihydroxide, (OC-6-11)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1855	53199-85-2	Nickel(1+), [1-[2-amino-4-(imino-κN)-5(4H)-thiazolylidene]-N-1-[2-amino-4-(imino-κN)-5(4H)-thiazolylidene]-1H-isindol-3-yl-κN]-1H-isindol-3-aminato-κN2L- chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1856	10534-88-0	Hexaamminenickel(II) chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1857	15242-92-9	Dibromobis(tributylphosphine)nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1858	19232-05-4	Dichlorobis(trimethylphosphine)nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1859	14221-00-2	Nickel, tetrakis(triphenyl phosphite-κappa.p)-, (t-4)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1860	14167-20-5	N,N'-Bis(salicylidene)ethylenediamine nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1861	5964-71-6	Tetraethylammonium tetrachloronickelate(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1862	19999-87-2	Bis(tricyclohexylphosphine)nickel(II) Dichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1863	15274-43-8	Dichlorobis(tributylphosphine)nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1864	312696-09-6	Nickel(II) bromide 2-methoxyethyl ether	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1865	15133-82-1	Tetrakis(triphenylphosphine)nickel(0)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1866	29046-78-4	dichloronickel; 1,2-dimethoxyethane	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1867	28923-39-9	Nickel(II) bromide ethylene glycol dimethyl ether complex	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1868	12645-50-0	1000 NN Ferrite	restricted under Annex XVII of REACH.	REACH Annex XVII			Substance is known to be on the EEA market in nanomaterial form.	0.1%
1869	14647-23-5	1,2-Bis(diphenylphosphino)ethane nickel(II) chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1870	15244-37-8	Nickel(II) sulfate hexa-/heptahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1871	155773-71-0	Nickel(II) 1,4,8,11,14,18,22,25-octa-n-butoxy-29H,31H-phthalocyanine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1872	12710-36-0	Nickel carbide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1873	39430-27-8	Nickel carbonate hydroxide tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1874	60871-84-3	NICKEL(II) TRIFLUOROMETHANES ULFONATE	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1875	15684-36-3	Nickel(II) tetrafluoroborate hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1876	68401-87-6	Tetrabutylammonium Bis(1,3-dithiole-2-thione-4,5-dithiolato)nickel(III)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1877	7789-49-3	Nickel(II) bromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1878	13520-61-1	Perchloric acid, nickel(2+) salt, hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1879	69098-15-3	Nickel(II) chloride hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1880	847654-17-5	[N-[[[alpha-[[2-(Piperidinoacetamido)phenyl]benzylidene]glycinato]]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1881	903592-98-3	[1,3-Bis(2,6-diisopropylphenyl)imidazol-2-ylidene]triphenylphosphine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1882	11079-07-5	Ethylenediaminetetraacetic Acid Disodium Nickel(II) Salt Hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1883	339527-86-5	Dipotassium tetracyanonickelate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1884	7785-20-8	Nickel ammonium sulfate hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1885	124594-15-6	Nickel sulfamate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1886	12244-51-8	Nickel(II) carbonate hydroxide tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1887	12035-51-7	Nickel sulfide (NiS2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1888	67806-76-2	azanide;nickel(2+);carbonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1889	15708-55-1	nickel(2+) disodium 2,2',2''-(ethane-1,2-diylidinitrilo)tetraacetate	This substance is used by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.					0.1%
1890	193214-24-3	Lithium Nickel Cobalt Aluminium Oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1891	12059-19-7	Trinickel phosphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1892	106316-55-6	Nickel, aqua[2-[2-[4,5-dihydro-3-methyl-5-(oxo-κO)-1H-pyrazol-4-yl]diazenyl]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1893	108818-89-9	Nickel(2+), hexakis(1H-imidazole-κN3)-, (OC-6-11)-, 1,2-benzenedicarboxylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1894	108171-26-2	Alkanes, C10-12, chloro (ShortChain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds. The major recent use has	REACH Candidate List: 0.1% (EU) 2019/1021, EU 2030/2015, 1% in mixtures, 0.15% in articles (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 1%. Stockholm Convention		0.1%
1895	1691-99-2	n-Ethyl Perfluorooctane Sulfonamidoethanol		EU) 2019/1021				0.1%
1896	1983-10-4	Tributyltin fluoride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%
1897	2052-07-5	Biphenyl, 2-bromo-	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
1898	2354-06-5	Pentachlorotrifluoropropane (CFC-213)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
1899	24448-09-7	n-Methyl Perfluorooctane Sulfonamidoethanol		(EU) 2019/1021				0.1%
1900	251099-16-8	Didecylidimethylammonium perfluorooctane sulfonate			(EU) 2019/1021			0.1%
1901	2536-05-2	Methylenediphenyl diisocyanate (MDI), 2,2'-	PU foam.	REACH Annex XVII: 0.1%			Danfoss decision. Prohibited in foam packaging systems, use allowed in embedding of	0.1%
1902	2795-39-3	Perfluorooctane sulfonate		(EU) 2019/1021				0.1%
1903	29081-56-9	Perfluorooctane Sulfonate Ammonium Salt		(EU) 2019/1021				0.1%
1904	29457-72-5	Perfluorooctane Sulfonate Lithium Salt		(EU) 2019/1021				0.1%
1905	307-35-7	rfluorooctane Sulfonyl Fluoride		(EU) 2019/1021				0.1%
1906	31506-32-8	n-Methyl Perfluorooctane Sulfonamide		(EU) 2019/1021				0.1%
1907	319-86-8	Delta-		(EU) 2019/1021				0.1%
1908	355-42-0	Tetradecafluorohexane (PFC-5-1-14)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1909	359-35-3	Fluoromethane (HFC-134)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1910	4151-50-2	n-Ethyl Perfluorooctane Sulfonamide		(EU) 2019/1021				0.1%
1911	115-25-3	Octafluorocyclobutane (PFC-c-318)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1912	430-66-0	Trifluoroethane (HFC-143)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1913	431-63-0	Hexafluoropropane (HFC-236ea)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1914	72101-30-5	Bromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
1915	56773-42-3	Tetraethylammonium perfluorooctane sulfonate			(EU) 2019/1021			0.1%
1916	60-09-3	Amino-azobenzene, 4-	Also known as aniline yellow, CI 11000 or under many other common historical names. This chemical was implicated in the 1980s vegetable oil poisoning incident when added to industrial oil that was put into the food market. It is used in many industrial	REACH Candidate List: 0.1%, Annex XVII: 0.003% (30ppm)				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1917	608-73-1	Technical hexachlorocyclohexane (mixture of isomers)	Pesticide			Stockholm Convention		0.1%
1918	624-72-6	Diffuoroethane(HFC-152)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Danish Regulation	Kyoto Protocol	0.1%
1919	677-56-5	Hexafluoropropane (HFC-236cb)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1920	679-86-7	Pentafluoropropane (HFC-245ca)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1921	68-12-2	Formamide, N,N-dimethyl-	DMF is used as a reagent and solvent in many industrial applications in the chemical industry. It is also used in the production and cleaning of polyurethane synthetic/artificial leather and some plastics. It may be used as a degreaser in the metal	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
1922	68920-70-7	Alkanes, C6-18, chloro (Short Chain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds.			Stockholm Convention - only C10-C13 fraction restricted		0.1%
1923	70225-14-8	Diethanolammonium perfluorooctane sulfonate		(EU) 2019/1021				0.1%
1924	71011-12-6	Alkanes, C12-13, chloro (Short Chain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds.	(EU) 2019/1021		Stockholm Convention - only C10-C13 fraction restricted		0.1%
1925	75-09-2	Dichloromethane	Solvent, paint stripper, degreaser, propellant, blowing agent	REACH Annex XVII, 0.1%			Danfoss decision. Prohibited as a solvent.	0.1%
1926	75-10-5	Diffuoromethane (HFC-32)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1927	75-12-7	Formamide	An intermediate used in the manufacture of pharmaceuticals and vitamins. Also used as a solvent, and as a laboratory reagent. May also be used in the production of pyrimidines, in hydrogen cyanide production as an	REACH Candidate List: 0.1%				0.1%
1928	76-01-7	Pentachloroethane	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
1929	85536-22-7	Alkanes, C12-14, chloro (Short Chain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds.			Stockholm Convention - only C10-C13 fraction restricted		0.1%
1930	85681-73-8	Alkanes, C10-14, chloro (Short Chain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds.			Stockholm Convention - only C10-C13 fraction restricted		0.1%
1931		Pentachlorophenol and byproducts of its synthesis (complex mixture)	Pesticide, disinfectant	(EU) No. 1257/2013 (EU) 2019/1021 (EU) 2021/277		Stockholm Convention; California Prop65		0.1%
1932	11138-47-9	Perboric acid, sodium salt	A source of active oxygen in many detergents	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
1933	15120-21-5	Sodium perborate	A source of active oxygen in many detergents	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
1934	All	propionaldehyde, 2-(4-tertbutylbenzyl)- and its individual stereoisomers	Cleaning agents, cosmetics, in scented articles, polishes and wax blends.	REACH Candidate List: 0.1%				0.1%
1935	96-13-9	Propan-1-ol, 2,3-dibromo-(2,3-DBPA)	A chemical intermediate used in the production of flame retardants, insecticides, and pharmaceuticals, and it is also used as a reactive flame	REACH Candidate List: 0.1%				0.1%
1936	All	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17	This flame retardant and plasticiser is mainly used in flexible PVC and in some rubbers. It is also used as an additive in metal cutting fluids, sealants, paints, adhesives, textiles and coatings.	REACH Candidate List: 0.1%				0.1%
1937	All	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof	This substance is used to manufacture lubricants and cleaners for fuel system in road vehicles and marine applications. Significant amounts of unreacted PDDP compounds may remain in these products	REACH Candidate List: 0.1%				0.1%
1938	61-47-9	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof	Cosmetics	REACH Candidate List: 0.1%				0.1%
1939	All	Linear and branched perfluorocarboxylic acids (C9-C14 PFCA's)	Unintended by-products during the manufacture of perfluorinated and polyfluorinated substances. May also be used as substitutes for PFOA.	REACH Annex XVII				0.1%

No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1940	All	Mineral oil aromatic hydrocarbons (MOAH) consisting of 1 to 7 aromatic	In packaging and printed materials distributed to the public	French law 2020-105 of 10. February 2020				0.1%
1941	All	Mineral oil saturated hydrocarbons (MOSH) consisting of 16 to 35 carbon	In packaging and printed materials distributed to the public	French law 2020-105 of 10. February 2020				0.1%