

Kohsel's Negative List


Nov 2019 : Rev.1


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.


 Kohsel's Negative list Effective Date: 26-Nov-2019								
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 (2019)			0.1%
2	40088-47-9	Polybrominated diphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS III (2019)	Stockholm Convention; Hong Kong Convention:0.1	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%		Stockholm Convention; Hong Kong Convention:0.1	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	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV	Hong Kong Convention: 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 electrical applications, in thermometers, amalgams	EU Reg. 2017/852 REACH Annex XVII	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); Battery: 0.005%; 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%)	RoHS: 0.01%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); Battery 0.002%, ELV	Hong Kong Convention: 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	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention: 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					
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, ceramics, flame retardants	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	Hong Kong Convention: 0.1%	Danish Regulation: 73/2016	0.1%
5	10099-74-8	Lead dinitrate	Used in manufacture of explosives, weapons and ammunitions , intermediate in production 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%


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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 pigments.	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 batteries.	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%		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		Montreal Protocol, The Hong Kong Convention	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	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	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	Dicofof	Pesticide			Stockholm Convention		
21	106-46-7	Dichlorobenzene (1,4-)	Air freshener, deodoriser	REACH Annex XVII: 1%				1%
22	106-47-8	Chloroaniline, 4-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
23	1067-33-0	dibutyltin diacetate	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003		Hong Kong 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		Hong Kong Convention: 0.1%	Danish Regulation 856/2009	0.1%


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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	Ethanol, 2-Methoxy-	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%
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 (including consumer	REACH Candidate List: 0.1%				0.1%
33	110-80-5	Ethanol, 2-Ethoxy-	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	*
36	11096-82-5	Chlorodiphenyl (Arochlor 1260)	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 0.005%		0.005%
37	11097-69-1	Arochlor 1254	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 0.005%		0.005%
38	11103-86-9	Potassium hydroxyoctaoxodizincate edich romate	Mainly used in coatings in the aeronautic/ aerospace, steel and aluminum coil coating and vehicle coating sectors.	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	Ethoxyethyl acetate, 2-	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%	
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-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
44	111-77-3	Ethanol 2-(2-methoxyethoxy) (DEGME)	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: 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%				0.1%


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48	112-34-5	Ethanol 2-(2-butoxyethoxy) (DEGBE)	Solvent in paints and degreasing agents	REACH Annex XVII: 0.1%				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 lithium batteries (including c	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	Tris(2-chloroethyl)phosphate 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, fl	REACH Candidate List, REACH Annex XIV				
53	1163-19-5	Decabromodiphenylethane, (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		Stockholm Convention; Hong Kong Convention: 0.1%		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 polymeric materials and paints, lacq	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
55	117964-21-3	Octabromodiphenylethane, (2,2',3,3',4,4',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
56	118-74-1	Hexachlorobenzene (HCB)	Pesticide			Stockholm Convention		
57	119-90-4	Dimethoxybenzidine, 3,3'-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
58	119-93-7	Dimethylbenzidine, 3,3'-	In dyes for textiles etc., packaging materials	REACH Annex 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		Hong Kong Convention: 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		Hong Kong Convention: 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%. Present in signi	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 production 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	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%
67	120-71-8	Methoxy-m-toluidine, 6-	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%


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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%				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		Hong Kong Convention: 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%				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				
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		Montreal Protocol, The Hong Kong Convention	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.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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 equip	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 0.005%		0.005%
85	127-18-4	Tetrachloroethylene ("PER")	Solvent, degreasing agent				Danfoss decision (1985)	
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%


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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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
89	12767-79-2	Arochlor	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 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 tex	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%
97	1309-60-0	Lead(IV)oxide	In pigments, additives, corrosion inhibitors	REACH Annex XVII	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 chemical industry	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
100	1314-87-0	Lead(II)sulfide	In pigments, additives, corrosion inhibitors		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%
101	13149-00-3	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 of the cis- and trans	Used as hardeners for epoxy resins, intermediates for alkyds, plasticizers, insect repellents and rust inhibitors	REACH Candidate List: 0.1%				0.1%


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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: 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 industry.	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		Montreal Protocol, The Hong Kong Convention	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		Hong Kong Convention: 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	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			Stockholm Convention; Hong Kong Convention 0.005%		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		Montreal Protocol, The Hong Kong Convention	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		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		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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
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		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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	


		<h1 style="margin: 0;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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				
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				


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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 devices.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
139	1344-36-1	Lead hydroxidcarbonate	In pigments, additives, corrosion inhibitors	REACH Annex XVII	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%
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	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	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	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%
144	13530-68-2	Dichromic acid	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII	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%
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.005%		0.005%
148	136677-10-6	Polychlorinated dibenzofuranes	Pesticides, additives, Combustion pollutants			Stockholm Convention		
149	137-17-7	Trimethylaniline, 2,4,5-	In dyes for textiles etc., packaging materials	REACH Anex 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 Natrium	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	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%
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 preparations for glazing frit	REACH Candidate List: 0.1%, REACH Annex XVII				0.10%


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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	Thiodianiline, 4,4'-	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 articles.	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] <i>[The individual cis [2] and trans [3] isomer substances and all possible combinations of the cis- and trans	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%		Hong Kong Convention: 0.25%		0.1%
159	143-50-0	Chlordecone	Pesticide			Stockholm Convention		
160	143860-04-2	Oxazolidine, (3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-	The chemical's proposed use is in high-solids polyurethane coatings as a reactive	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%		Hong Kong Convention: 0.25%		0.1%
162	1461-25-2	Tetrabutyltin	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%
163	147217-75-2	Tribromodiphenylether, (2,2',4-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	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 for civilian use.	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		Hong Kong Convention: 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 monoctyltin 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%				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	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%
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-condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
175	1746-01-6	Tetrachlorodibenzo-p-dioxin, (2,3,7,8-)	Inceneration 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			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%		Hong Kong Convention: 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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
182	1868-53-7	Dibromofluoromethane	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	
183	189084-61-5	Tetrabromodiphenylether, (2,2',3,4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
184	189084-64-8	Pentabromodiphenylether, (2,2',4,4',6-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.			Stockholm Convention; Hong Kong Convention: 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%


		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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] <i>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isom	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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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%		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	Henicosfluoroundecanoic 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%
203	207122-15-4	Hexabromodiphenylether, (2,2',4,4',5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
205	20837-86-9	Lead cyanamide	Pigment, lubricant additive	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
206	21049-39-8	Perfluorononan-1-oic 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%


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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: 0.005%		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%		Hong Kong Convention: 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	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	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, 1,1,1,3-	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	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%		Hong Kong Convention: 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	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%		Hong Kong Convention: 0.25%		0.1%
220	2437-79-8	PCB47	heat exchange fluids, additives			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 electrical insulation materials, adhe	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 individual isomers or a c	Surface active agents	REACH Annex XVII: 0.1%				0.1%
224	25155-23-1	Trixylyl phosphate	Flame retardant	REACH Candidate List: 0.1%				0.1%

		<h1 style="margin: 0;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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		Montreal Protocol, The Hong Kong Convention	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 adhesives.	REACH Candidate List, REACH Annex XIV				
227	2536-05-2	Methylenediphenyl diisocyanate	In foam packaging systems, use allowed in embedding of electronics and in adhesives	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		Montreal Protocol, The Hong Kong Convention	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] <i><->[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isom	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 base (EU No. 202- 959-2)]	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		Montreal Protocol, The Hong Kong Convention	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 cosmetics	REACH Candidate List: 0.1%				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%		Hong Kong Convention: 0.25%		0.1%
239	26401-86-5	octylin tris(isooctyl mercaptoacetate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003		Hong Kong Convention: 0.25%		0.1%

		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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		Hong Kong Convention: 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	*
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		Montreal Protocol, The Hong Kong Convention	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		Stockholm Convention; Hong Kong Convention: 0.005%	EPA Ozone Layer protection Danish Regulation 1386/2015	
247	27323-18-8	Kanechlor 500	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention: 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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention:0.005%		
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		Montreal Protocol, The Hong Kong Convention	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	Tetrachlorotetrafluoroethane (CFC214)	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	
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 inhibit	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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%		Hong Kong Convention: 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%		Hong Kong Convention: 0.25%		0.1%
260	3108-42-7	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	Lubricant, wetting agent, plasticiser and	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%


		<h1 style="margin: 0;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
262	311-89-7	Perfluorotributylamine (PFTBA)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
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		Montreal Protocol, The Hong Kong Convention	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%		Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
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.		2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
270	32536-52-0	Octabromodiphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
271	32598-13-3	PCB77	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 0.005%		
272	32774-16-6	PCB169	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 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%, REACH Annex XVII		Stockholm Convention		0.1%
276	335-76-2	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	Lubricant, wetting agent, plasticiser and	REACH Candidate List 0.1%				0.1%
277	33631-63-9	Mercuric chloride	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: 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.		2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
281	34256-82-1	Acetochlor	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2016				
282	35065-27-1	PCB153	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 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		Montreal Protocol, The Hong Kong Convention	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 9/2016	


		<h1 style="margin: 0;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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	Dibromofluoroethane	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	
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	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.005%		0.005%
304	36437-37-3	Phenol, (2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)-) (UV-350)	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH Candidate List: 0.1%				0.1%
305	36483-60-0	Hexabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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%		Hong Kong Convention: 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 calcium arsenat	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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.					
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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
310	375-95-1	Perfluorononan-1-oi-c acid and its sodium and ammonium salts	Processing aid for fluoropolymer manufacture/lubricating oil additive/surdactant 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	Heptacosafuorotetradecanoi c acid	Used as processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant uses / impurity	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%		Hong Kong Convention: 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 salts	Lubricant, wetting agent, plasticiser and electrical parts, in plastics and polymers etc.	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%				0.1%
316	3864-99-1	Phenol, (2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)-) (UV- 327)	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH Candidate List: 0.1%				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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.005%		0.1%
319	40321-76-4	Pentachlorodibenzodioxin	Inceneration 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 9/2016	
321	41318-75-6	Tribromodiphenylether, (2,4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
322	4149-60-4	Perfluorononan-1-oi-c acid and its sodium and ammonium salts	Processing aid for fluoropolymer manufacture/lubricating oil additive/surdactant 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-c 318)	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
329	420-97-3	Dichlorofluoropropane (HCFC- 261)	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	


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
346	4299-07-4	Buty -n-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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
353	431-87-8	Monochlorohexafluoropropane (HCFC-226)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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%		Hong Kong Convention: 0.25%		0.1%
356	4342-36-3	Tributylstannyl benzoate	Anti-fouling systems containing organotin compounds as a biocide, additive	REACH Candidate List: 0.1%, REACH Annex XVII		Hong Kong Convention: 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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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.	REACH Candidate List: 0.1%, REACH Annex XVII	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
359	446255-39-6	Octabromodiphenylether, (2,2',3,3',4,4',5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Candidate List: 0.1%, REACH Annex XVII	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%
360	446255-50-1	Octabromodiphenylether, (2,2',3,3',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		Stockholm Convention; Hong Kong Convention: 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-conditioning system.	REACH Candidate List: 0.1%, REACH Annex XVII		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	REACH Candidate List: 0.1%, REACH Annex XVII		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	REACH Candidate List: 0.1%, REACH Annex XVII		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	REACH Candidate List: 0.1%, REACH Annex XVII		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
366	460-69-5	Dichlorotrifluoropropane (HCFC-243)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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		Kyoto Protocol	Danish Regulation 9/2016	0.1%
368	460-86-6	Dibromotetrafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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-conditioning system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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%		Hong Kong Convention: 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%		Hong Kong Convention: 0.25%		0.1%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
374	48122-14-1	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isom	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 sectors.	REACH Candidate List, REACH Annex XIV				
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: 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% formaldehyde	
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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
382	51200-87-4	Oxazolidine, (4,4'-Dimethyl)	Biocide in lubricants				Danfoss decision; 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 goods	REACH Candidate List: 0.1%				0.1%
386	53469-21-9	Arochlor 1242	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention 0.005%		
387	53-70-3	Dibenzo(a,h)anthracene (DBAhA)	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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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. 202-959-2)]	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 c	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. 202-959-2)]	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 cartridges) and dyes. It may b	REACH Candidate List: 0.1%				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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
395	5625-90-1	Methylene-bis-morpholine/Bis-morpholino- methane	Biocide in lubricants				Danfoss decision	*
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		Hong Kong Convention: 0.25%		0.1%
397	56-36-0	Tributyltin acetate	Anti-fouling systems containing organotin compounds as a biocide, additive	REACH Candidate List: 0.1%, REACH Annex XVII		Hong Kong Convention: 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 in cable, cords and plugs.	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] <i>-</i>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isom	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 Red 28)	Direct Red 28 is a benzidine-based dyes	REACH Candidate List: 0.1%				0.1%
404	57-74-9	Chlordan	Pesticide			Stockholm Convention		
405	58-89-9	Lindane	Pesticide			Stockholm Convention		
406	59080-40-9	Hexabromobiphenyl	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%		0.1%


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
407	593-53-3	Fluoromethane (HFC-32)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
408	593-70-4	Monochlorofluoromethane (HCFC-31)	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	
409	59653-74-6	Triazine-2,4,6-(1H,3H,5H)-trione, (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-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 electrical insulation materials, adhe	REACH Candidate List: 0.1%				0.1%
410	598-63-0	Lead(II)carbonate	In pigments, additives, corrosion inhibitors	REACH Annex XVII	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%
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 in many industrial	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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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	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%
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			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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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%				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 footwear	REACH Annex XVII: 0.1mg/Kg				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 i	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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 0.1%		0.1%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
428	63936-56-1	Nonabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	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%		Hong Kong Convention: 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%		Hong Kong Convention: 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 compounds.	REACH Candidate List: 0.1%				0.1%
435	6517-25-5	Tributyltin sulfamate	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%
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 paving, and manufacture of other substances and	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.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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.		2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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 9/2016	
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. 202-959-2)]	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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 and el	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 polyurethanes a	REACH Candidate List: 0.1%				0.1%
450	68515-42-4	Benzene-1,2-dicarboxylic acid, di-C7-11-branched and linear alkyl esters	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%				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% of dihexyl phthalate	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%				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.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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% of dihexyl phthalate	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%				0.1%
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 the group entry of lead compound	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%		Hong Kong Convention: 0.25%		0.1%
457	68928-80-3	Heptabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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 9/2016	
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			Hong Kong Convention; 0.05%		
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%		Hong Kong Convention: 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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	


		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
466	71-43-2	Benzene	Solvent, degreasing agent	REACH Annex XVII: 0.0005%				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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
469	71888-89-6	Benzene-1,2-dicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	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	Pentacosafuoroheptadecanoic 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			Hong Kong Convention		
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 electrodes	
476	7440-46-2	Cesium	Radioactive substance, many uses		EURATOM	Hong Kong Convention		
477	7446-14-2	Lead(II)sulfate	In pigments, additives, corrosion inhibitors	REACH Annex XVII	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%
478	7446-27-7	Lead phosphate	In pigments, additives, corrosion inhibitors	REACH Annex XVII	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
480	7487-94-7	Mercury(II)chloride	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: 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		Montreal Protocol, The Hong Kong Convention	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 and as	REACH Candidate List: 0.1%				0.1%
485	75-35-4	Dichloroethene (1,1-)	Solvent, degreasing agent	REACH Annex XVII: 0.1%				0.1%
486	75-37-6	Difluoroethane (HFC-152a)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	

		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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 dried fruits and treating wood for t	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
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		Montreal Protocol, The Hong Kong Convention	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 9/2016	
505	76-17-5	Trichloropentafluoropropane, 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	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
508	76253-60-6	Monomethyl-tetrachlorodiphenyl methane	Replacement for PCB	Reach Annex XVII				
509	7632-04-04	Sodium peroxometaborate	A source of active oxygen in many detergents	REACH Candidate List: 0.1%				0.1%
510	76-44-8	Heptachlor	Pesticide			Stockholm Convention		


		<h1 style="text-align: center;">Kohsel's Negative list</h1>				Effective Date: 26-Nov-2019		
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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 presence of water. This substa	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%		Hong Kong Convention: 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 products.	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 dichromic acid.	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	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%
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		Hong Kong Convention: 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		Hong Kong Convention: 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		Hong Kong Convention: 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		Hong Kong Convention: 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 m	REACH Candidate List, REACH Annex XIV, Annex XVII	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%
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. However, most of th	REACH Candidate List: 0.1%				0.1%
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 glassware, in the manufacture of	REACH Candidate List, REACH Annex XIV, Annex XVII	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%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
526	7783-35-9	Mercuric sulfate	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: 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 laboratory as analytical agent.	REACH Candidate List, REACH Annex XIV, Annex XVII	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%
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	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%
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 agent in brazing and solder	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		Montreal Protocol, The Hong Kong Convention	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 piston engine-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 inhibitor	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%		Hong Kong Convention	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 (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 polyacrylamide gels for r	REACH Candidate List: 0.1%, Annex XVII: 0.1%				0.1%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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				
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 epoxy resins, in thermal paper	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 pr	REACH Candidate List 0.1%				0.1%
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. BUT it may be	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		Montreal Protocol, The Hong Kong Convention	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 9/2016	
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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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		Montreal Protocol, The Hong Kong Convention	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 individual isomers or a c	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%		Hong Kong Convention: 0.25%		0.1%

		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
560	85-42-7	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 of the cis- and trans	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 major recent use has	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%
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	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 aluminum 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%		Hong Kong Convention: 0.25%		0.1%
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	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 fuel, for impregnating, sealing and	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
569	90640-81-6	Anthracene oil, anthracene paste	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
570	90640-82-7	Anthracene oil, anthracene-low	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 photosensitizer. May be present as an impurity in other substances used 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	Naphthylamine, 2-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
574	91-94-1	Dichlorobenzidine, 3,3'-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
575	91995-15-2	Anthracene oil, anthracene paste, anthracene fraction	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
576	91995-17-4	Anthracene oil, anthracene paste, distn. lights	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
577	92-66-0	Bromobiphenyl, (4-)	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%		0.1%
578	92-67-1	Aminobiphenyl, 4-	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%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention: 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	Nitrobiphenyl, 4-		REACH Annex XVII: 0.1 %				0.1%
582	95-53-4	Aminotoluene, 2-	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	Chloro-o-toluidine, 4-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
584	95-76-1	Dichloroaniline, 3,4-	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 long	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 goods	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%				0.1%
591	99-55-8	Nitro-o-toluidine, 5-	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
592	99688-47-8	Monomethyl-dibromodiphenyl methane bromobenzylbromotoluene	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	Reach Annex XVII				
593	99-99-0	Nitrotoluene, 4-	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		Hong Kong Convention: 0.25%		0.25%
597	All	Cresylphosphates	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision	*
598	All	Dicresylphosphates	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision	*
599	All	Tricresylphosphates (TCP)	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%
600	All	All Amines (secondary) which facilitate the formation of nitrosamines (e.g. below)	Corrosion protection, pH stabilizer				TRGS 611; 615, 0.2%	0.2%

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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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	*
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, polymers and homologues, whic	Surface active agents	REACH Annex XVII: 0.1%				0.1%
609	All	Tall oil distillates which contains adipinic acid	Extreme pressure additive	Danfoss decision				*
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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
611	All	Hydrobromofluorocarbons (HBrFC)	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	
612	All	HFC (Hydrofluorocarbons)	In heat pumps, refrigeration and air-conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
613	All	PFC (Perfluorocarbons)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
614	All	Polychlorinated dibenzo-p-dioxins	Inceneration and combustion pollutant			Stockholm Convention		
615	All	Radioactive substances	Many uses		EURATOM	Hong kong Convention no treshold 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 cable, cords and plugs.					
617	All	Manmade mineral fibers with proven carcinogenic effects	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 combination thereof]	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%				0.1%


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No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
619	All	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	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%				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%
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 individual isomers o	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,	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		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	

 Kohsel's Negative list Effective Date: 26-Nov-2019								
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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 minerals, 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 private sector party to be conflict-free. Suppliers are required to adopt policies and management systems with respect to conflict minerals and to require their suppliers to adopt similar policies and systems.	-
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 (complex mixture All				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 isomers or a combination thereof]	Manufacture of polymers	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	*0.1%
633	5873-54-1	Methylenediphenyl diisocyanate (MDI), 2,4'	In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Annex XVII: 0.1%			Danfoss decision	*0.1%
634	2536-05-2	Methylenediphenyl diisocyanate (MDI), 2,2'	In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Annex XVII: 0.1%			Danfoss decision	*0.1%
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%				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%

KOHSEL TRANSFORMER SOLUTIONS		Kohsel's Negative list			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
638	513-78-0	Cadmium carbonate	Used as a pH regulator and in water treatment products, laboratory chemicals, cosmetics and personal care products.	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]oct adec a-7,15- diene("Dechlorane Plus"™) [covering any of its individual anti- and syn- isomers or any substituents 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- heptylphenol, branched and linear]	Used as a lubricant additive in lubricants	REACH Candidate List 0.1%				0.1%
641	1321-65-9	Polychlorinated Naphthalenes, Chloronaphthalene	Additive			Hong Kong Convention;0.0 05%		0.005%
642	1335-88-2	Polychlorinated Naphthalenes, Chloronaphthalene	Additive			Hong Kong Convention;0.0 05%		0.005%
643	1321-64-8	Polychlorinated Naphthalenes, Chloronaphthalene	Additive			Hong Kong Convention;0.0 05%		0.005%
644	2234-13-1	Polychlorinated Naphthalenes, Chloronaphthalene	Additive			Hong Kong Convention;0.0 05%		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		Hong Kong Convention: 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 major recent use has	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		Hong Kong Convention: 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	Decamethylcyclopentasiloxane	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 anhydride; TMA	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	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%

		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
655	61788-32-7	Terphenyl, hydrogenated	Plasticiser in adhesives, sealants and coatings	REACH Candidate List 0.1%				0.1%
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 is below 0.01%.	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 plastics.	REACH Candidate List 0.1%				0.1%

KOHSEL TRANSFORMER SOLUTIONS		Kohsel's Negative list			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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 rubber and plastics.	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 substance 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, 1,4,5,8-	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	Naphthylammoniumacetate, 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	Methoxyethyl acetate, 2-	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 and linear (4-NP)	Primarily used as an antioxidant to stabilise polymers	REACH Candidate List: 0.1%				0.1%

		<h1 style="text-align: center;">Kohsel's Negative list</h1>			Effective Date: 26-Nov-2019			
No.	CAS Number	Substance Identification	Occurrence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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%
676	98-54-4	tert-butylphenol, 4-	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-	Additive combined with organic solvents, in spray products	REACH Annex XVII, 2ppb				2ppb

For Supplier

 _____ (Name & Position)
 _____ (Date)

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