Rev. 3 September 2022

#### Scope and field of application

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

#### Use of the list

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

		ISEL ER SOLUTIONS	Kons	el's Nega	ative list		Effective Date: 3-S	ep-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%
	RoHS Subs	stances						
1	117-81-7	Bis(2-ethylhexyl) phthalate (DEHP)	DEHP is widely used as a plasticizer for PVC (usually >> 1%). Plasticised PVC has a wide but diminishing use ranging from party clothing to gaskets, seals and medical devices. It should not be confused with UPVC, the plasticiser free version, which is use	REACH Candidate List, REACH Annex XIV, REACH Annex XVII	RoHS III : 0.1% (2019)			0.1%
2	40088-47-9	Polybrominated diphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS III (2019) RoHS: 0.1%	Stockholm Convention; Hong Kong Convention	China RoHS: 0.1%	0.1%
3	59536-65-1	Polybrominated biphenyls	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention	China RoHS: 0.1%	0.1%
4	7439-92-1	Lead	Lead, and as an element in metals and alloys	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%, Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV	Hong Kong Convention MEPC.269(68), 2015: 0.1%	China RoHS: 0.1%, Danish Regulation 856/2009	0.1%
5	7439-97-6	Mercury	In fluorescent lamps, electric switches, luminescent materials, manufacture of industrial chemicals, in electrical and electronical applications, in thermometers, amalgams	EU Reg. 2017/852; REACH Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); Battery: 0.0005%: El V	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	REACHAnnex XVII: Prohibited in polymers (0.01%); In paints on products:(0.1%); (EU) No. 1257/2013	RoHS: 0.01%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); Battery 0.002%, ELV	Hong Kong Convention MEPC.269(68), 2015: 0.01%	China RoHS: 0.1%	0.01%
7	All	Chromium 6+ compounds	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%	China RoHS: 0.1%	0.1%
8	84-69-5	Diisobutyl phthalate	Disobutyl 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 an	d Other Regulation.						
1	1003-07-2	Isothiazolin-3-one	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	* Prohibit
2	100-42-5	Styrene	Solvent, manufacture of plastic and rubber products				Danish Regulation 1084/2017	
3	10043-35-3	Boric acid	Boric acid is widely used on account of its consistency-influencing, flame-retarding, antiseptic and preservative properties. It is a component of detergents and cleaners, adhesives, toys, industrial fluids, brake fluids, glass,	REACH Candidate List: 0.1%				0.1%
4	10045-94-0	Mercuric nitrate	In lamps, electric switches, luminescent materials	REACH Annex XVII	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1% 0.1%	Danish Regulation: 73/2016	0.1%
5	10099-74-8	Lead dinitrate	Used in manufacture of explosives, weapons and ammunitions, intermediate in preoduction 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%



							Effective Date. 5-50	<del></del>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
7	101-14-4	Dichloro-4,4`- methylenedianiline, 2,2´	Mainly used as curing agent in resins and in the production of polymer articles and also for manufacture of other substances. The substance may further be used in construction and arts.	REACH Candidate List, REACH Annex XIV, Annex XVII: 0,003% (30ppm)				0.003%
8	10124-36-4	Cadmium sulphate	Used in metal surface coatings, in photovoltaic component manufacture, lead-acid batteries as a lubricant and as a laboratory agent. Also used as an intermediate in the production of other cadmium compounds, particularly	REACH Candidate List: 0.1%				0.1%
9	10124-43-3	Cobalt(II) sulphate	Cobalt(II) sulphate is mainly used in the manufacture of other chemicals including pigments and possibly catalysts, driers. Further applications comprise surface treatments (such as electroplating), corrosion prevention, decolorization (in class, pottery)	REACH Candidate List: 0.1%				0.1%
10	10141-05-6	Cobalt(II) dinitrate	Cobalt(II) dinitrate is mainly used in the manufacture of other chemicals including catalysts. Further applications may include surface treatment and in	REACH Candidate List: 0.1%				0.1%
11	101-55-3	Bromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.		RoHS: 0.1%	Stockholm Convention; Hong Kong Convention:		0.1%
12	101-61-1	Methylenedianiline, N,N,N',N'-tetramethyl-4,4'- (Michler's base)	Chemical intermediate in the manufacture of dyes and pigments and in the manufacture of its hydrochloric salt. May be used as an R&D reagent.	REACH Candidate List: 0.1%				0.1%
13	101-68-8	Methylene diphenyl diisocyanate, 4,4'- (MDI)	PU foam.In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Annex XVII: 0.1%			Danfoss decision	*0.1%
14	101-77-9	Diaminodiphenylmethane, 4,4`-	Diaminodiphenylmethane (MDA) is used as a reagent in the manufacture of rubber, plastics, diisocyanates, dyes and adhesives. In this use it is normally substantially consumed by conversion to other chemials. 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 strikes of this polytes.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
16	102738-79-4	Propane, 2-Chloro-1,3- difluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68),	EPA Ozone Layer protection Danish Regulation 1386/2015	
17	10294-40-3	Barium Chromate	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII (EU) No. 1257/2013	lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention: 0.1%		0.01%
18	104-40-5	Nonylphenol, 4-	Surface active agents	REACH Annex XVII: 0.1%	ELV 2g/car			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 aso used in metal finishing process, leather tanning and in some ceramics / glasses. This substance is very unlikely to be present in articles above 0.1% except	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
20	10606-46-9	Dicofol	Pesticide	(EU) 2019/1021		Stockholm Convention		
21	106-46-7	Dichlorobenzene (1,4-) 4-Chloroaniline	Air freshener, deodoriser In dyes for textiles etc., packaging	REACH Annex XVII: 1% REACH Anex XVII:				1%
22	106-47-8		materials	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; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25% Convention: 0.25%		0.1%
24	106-94-5	Bromopropane, 1- (n- propyl bromide)	This substance has been registered for REACH. According to the dissemination portal, it is used as an industrial solvent, surface cleaner and degreasing agent. Used in electronics industry for cleaning circuit boards.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
25	107-06-2	Ethane, 1,2-dichloro-	Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmacectical industry.	REACH Candidate List, REACH Annex XIV				
26	1072-35-1	Lead stearate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 0.1%	Danish Regulation 856/2009	0.1%
27	108-46-3	Resorcinol	Manufacture of chemicals, rubber and plastic products					
28	108-88-3	Toluene	Solvent	REACH Annex XVII: 0.1%			Only prohibited for use described in REACH	0.1%
29	108-90-7	Chlorobenzene	Solvent, degreasing agent	REACH Annex XVII			Annex XVII	
30	109-86-4	2-Methoxy-Ethanol	2-methoxyethanol is mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical.	REACH Candidate List: 0.1%				0.1%

Effective Date: 3-Sep-2022



#### **Kohsel's Negative list**

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



	TRANSFORM	ER SOLUTIONS					Effective Date: 3-Se	ep-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
53	1163-19-5	Decabromodiphenylether, (2,2`,3,3`,4,4`,5,5`,6,6`-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Candidate List: 0.1% REACH Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%	TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 880, January 2021.	0.1%
54	117-82-8	Bis(2-methoxyethyl) phthalate	No registration for this phthalate compound has been submitted to ECHA. Hence, the substance seems not to be manufactured in or imported to the EU in quantities above 1 try. Main uses in the past were as	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
55	117964-21-3	Octabromodiphenylether, (2,2°,3,3°,4,4°,6,6°-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
56	118-74-1	Hexachlorobenzene (HCB)	Pesticide			Stockholm Convention		
57	119-90-4	3,3-Dimethoxybenzidine	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
58	119-93-7	3,3-Dimethylbenzidine	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
59	12001-28-4	Crocidolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No.1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
60	12001-29-5	Chrysotile	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
61	12002-48-1	Trichlorobenzene Anthracene	Solvent, degreasing agent Anthracene is normally a complex low	REACH Annex XVII: 0.1% REACH Candidate List:				0.1%
62	120-12-7	7 thinges in	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%.	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,	REACH Candidate List:				0.1%
65	12065-90-6	Pentalead tetraoxide sulphate	pigments and paints  Used in manufacture of explosives, weapons and ammunitions, intermediate in preoduction of pigments and a laboratory agent.	0.1%, REACH Annex XVII REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
66	12069-00-0	Lead selenide	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation 856/2009	0.01%
67	120-71-8	6-Methoxy-m-toluidine	Used in dying of textiles and leather goods.	REACH Candidate List: 0.1%, Annex XVII: 0,003%				0.003%
68	120-82-1	Trichlorobenzene	Solvent, degreasing agent	(30ppm) REACH Annex XVII: 0.1%				0.1%
69	121-14-2	Toluene, 2,4-Dinitro-	2.4-dinitrotoluene is used in the production of toluene diisocyanate, which is used for the manufacture of flexible polyurethane foams. The substance is also used as gelatinizing- plasticizing agent for the manufacture of explosives	REACH Candidate List, REACH Annex XIV				
70	12122-67-7	Zineb	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2015				
71	12141-20-7	Trilead dioxide phosphonate	Stabiliser used in production of pvc products.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
72	12172-73-5	Amosite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
73	12179-04-3	Disodium tetraborate, anhydrous	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives.	REACH Candidate List: 0.1%				0.1%
74	12202-17-4	Tetralead trioxide sulphate	Stabiliser used in production of pvc products.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
75	12267-73-1	Tetraboron disodium heptaoxide, hydrate	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives,	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
	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	REACH Candidate List: 0.1%				0.1%
76			products. It may also be used in adhesives, paints and coatings and consumer-use air fresheners.					



	710,010,010	LK SOLUTIONS					Effective Date: 3-Se	<u>:p-2022</u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
78	124-72-1	Bromotetrafluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
79	124-73-2	Dibromotetrafluoroethane (Halon-2402), 1,2-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68).	EPA Ozone Layer protection Danish Regulation 1386/2015	
80	12578-12-0	Dioxobis(stearato)trilead	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%, REACH Annex XVII		WIE1 0.2001001.		0.1%
81	126-11-4	Trihydroxymethylnitrometh ane	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 electroceramic components and piezoceramics. It may be present in such articles above 0.1% w/w	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
83	12656-85-8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment.	REACH Candidate List, REACH Annex XIV, Annex XVII: Prohibited in paint				
84	12672-29-6	Arochlor 1248	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005%		0.005%
85	127-18-4	Tetrachloroethylene ("PER")	Solvent, degreasing agent				Danfoss decision. General ban since 1985. Except in thermo bulbs for fire fighting equipment	
86	127-19-5	N,N-dimethylacetamide	Used as solvent, mainly in the manufacture of various substances and in the production of fibres for clothing and other applications. Also used as reagent, and in products such as industrial coatings, polyimide films, paint strippers and ink removers.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
87	127564-83-4	Dichlorotetrafluoropropane (HCFC-234)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
88	127564-92-5	Dichloropentafluoropropan e (HCFC-225)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
89	12767-79-2	Arochlor	heat exchange fluids, additives			Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005%		0.005%
90	12789-03-6	Chlordane	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2009		Stockholm Convention		
91	128903-21-9	Propane, 2,2-dichloro- 1,1,1,3,3-pentafluoro- (HCFC- 225a)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
92	1303-28-2	Diarsenic pentaoxide	Diarsenic pentoxide is used in the manufacture of arsenates, old or non-EU weed killer, metal adhesives and specialist insecticides, fungicides, and wood preservatives. Note that use of arsenic compounds is serverely 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					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%



							Effective Date. 3-36	<del>P = 0 = =</del>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
97	1309-60-0	Lead(IV)oxide	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than; 0.01% (100ppm)	Hong Kong Convention: 0.1%	Danish Regulation 856/2009	
98	131-18-0	Dipentyl phthalate (DPP)	Plasticiser	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII	IIIaii. 0.01 /8 (10000)			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 oxidizerin the	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
100	1314-87-0	Lead(II)sulfide	In pigments, additives, corrosion inhibitors	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
101	13149-00-3	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[The individual cis-[2] and trans-[3] isomer substances and all possible combinations</i>	Used as hardeners for epoxy resins, intermediates for alkyds, plasticizers, insect repellents and rust inhibitors	REACH Candidate List: 0.1%				0.1%
102	131-52-2	Pentachlorphenol, Sodium salt	Pestticide			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	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			Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
106	1327-53-3	Diarsenic trioxide	This substance is used in lead alloys (especially in lead-acid batteries), glass (and, to a lesser extent, enamel) production and as a source of high- purity arsenic for use in the electronics	REACH Candidate List, REACH Annex XIV, REACH Annex XVII				
107	1330-43-4	Disodium tetraborate, anhydrous	Disodium tetraborate and tetraboron disodium heptaoxide form the same compounds in aqueous solutions. Uses include a multitude of applications, e.g. in detergents and cleaners, in glass and glass fibers, ceramics, industrial fluids, metallurgy, adhesives.	REACH Candidate List: 0.1%				0.1%
108	1330-45-6	Chlorotrifluoroethane (HCFC- 133)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
109	1330-78-5	Tricresylphosphate (all isomers including ortho)	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Ortho- TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	0.50%
110	1332-21-4	Asbestos	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
111	1333-82-0	Chromium trioxide	Chromium trioxide is mainly used in metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. It is also used as a fixing agent in waterborne wood preservatives. Minor uses are e.g. in the manu	REACH Candidate List, REACH Annex XIV, Annex XVII (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
112	1336-36-3	Polychlorinated biphenyls (PCB)	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention		0.005%
113	134190-48-0	Pentachlorofluoropropane (HCFC-231)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68),2		
114	134190-49-1	Tetrachlorofluoropropane (HCFC-241)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Montreal	EPA Ozone Layer protection Danish Regulation 1386/2015	
115	134190-50-4	Chlorotetrafluoropropane (HCFC-244)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Montreal	EPA Ozone Layer protection Danish Regulation 1386/2015	
116	134190-51-5	Trichlorofluoropropane (HCFC-251)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	



						0	Theclive Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
117	134190-52-6	Dichlorodifluoropropane (HCFC-252)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
118	134190-53-7	Chlorodifluoropropane (HCFC- 262)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
119	134190-54-8	Chlorofluoropropane (HCFC- 271)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
120	134237-31-3	Pentachlorotrifluoropropan e (CFC-213)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
121	134237-32-4	Tetrachlorofluoroethane (HCFC-121)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
122	134237-34-6	Trichlorofluoroethane (HCFC- 131)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
123	134237-35-7	Hexachlorofluoropropane (HCFC-221)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
124	134237-36-8	Pentachlorodifluoropropan e (HCFC-222)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
125	134237-37-9	Tetrachlorotrifluoropropan e (HCFC-223)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
126	134237-38-0	Trichlorotetrafluoropropan e (HCFC-224)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
127	134237-39-1	Tetrachlorodifluoropropan e (HCFC-232)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
128	134237-40-4	Trichlorotrifluoropropane (HCFC-233)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
129	134237-41-5	Chloropentafluoropropane (HCFC-235)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
130	134237-42-6	Trichlorodifluoropropane (HCFC-242)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
131	134237-43-7	Dichlorotrifluoropropane (HCFC-243)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC 269(68)	EPA Ozone Layer protection Danish Regulation 1386/2015	
132	134237-44-8	Chlorotrifluoropropane (HCFC-253)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
133	134237-45-9	Dichlorofluoropropane (HCFC- 261)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
134	134237-50-6	(HBCDD) and all major diastereoisomers identified: Alpha-	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV; (EU) No. 1257/2013				
135	134237-51-7	(HBCDD) and all major diastereoisomers identified: Alpha-	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV				
136	134237-52-8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha- hexabromocyclododecane Beta- hexabromocyclododecane Gamma- hexabromocyclododecane	This substance is a flame retardant for plastics and fibres. It is used to produce flame retarded polystyrene and to flame proof some clothing and furniture textiles. A narrow use profile but there is a significant possibility that flame resistant polysty	REACH Candidate List, REACH Annex XIV  REACH Candidate List:				
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	0.1%, REACH Annex XVII				0.1%



	TICALIST OILT	ER SOLUTIONS		Ŭ			Effective Date: 3-Se	ep-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
138	134308-72-8	Chlorohexafluoropropane (HCFC-226)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention	EPA Ozone Layer protection Danish Regulation 1386/2015	
139	1344-36-1	Lead hydroxidcarbonate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation 856/2009	0.01%
140	1344-37-2	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	Lead sulfochromate yellow (C.I. Pigment Yellow 34) is used as a colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Applications comprise the production of agricultural equipment, veh	REACH Candidate List, REACH Annex XIV; Annex XVII: Prohibited in paint				
141	1344-48-5	Mercuric sulfide	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.01%
142	13474-88-9	Propane, 1,1-dichloro- 1,2,2,3,3-pentafluoro- (HCFC- 225cc)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013	Wildin C.S. 170 (100ppin)	Montreal Protocol, The Hong Kong Convention MEPC.269(68),	EPA Ozone Layer protection Danish Regulation 1386/2015	
143	13530-65-9	Zinc Chomate	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
144	13530-68-2	Dichromic acid	Chromium pigments, chromated surfaces, corrosion inhibitors.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm);	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
145	135401-87-5	Heptachlorofluoropropane (CFC-211)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
146	136013-79-1	Propane, 1,3-dichloro- 1,1,2,3,3-pentafluoro- (HCFC- 225ea)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
147	13654-09-6	Decabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.005%		0.005%
148	136677-10-6	Polychlorinated dibenzofuranes	Pesticides, additives, Combustion pollutants			Stockholm Convention		
149	137-17-7	2,4,5-Trimethylaniline	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
150	137-26-8	Thiram	Pesticide	EU Reg. 540/2011				
151	137-42-8	Metam Natrium	Pesticide	EC Reg. 1107/2014 EU Reg. 540/2011				
152	13765-19-0	Calcium chromate	Chromium pigments, chromated surfaces, corrosion inhibitors.	EC Reg. 1107/2013 REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm):	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
153	13814-96-5	Lead bis(tetrafluoroborate)	Used as a catalyst in production of linear polyesters, a curing agent for epoxy resins; in electroplating solutions for coating metals with lead, in manufacturing flame-retardants, for electrolytic generation of boron, and in	REACH Candidate List: 0.1%, REACH Annex XVII				0.10%
154	138495-42-8	Decafluoropentane (HFC- 43- 10mee)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
155	139-65-1	4,4'-Thiodianiline	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
156	140-66-9	Phenol, 4-(1,1,3,3- tetramethylbutyl)-	Mainly used in the manufacture of	REACH Candidate List:				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</i>	Used as hardeners for epoxy resins, intermediates for alkyds, plasticizers, insect repellents and rust inhibitors	REACH Candidate List: 0.1%				0.1%
158	14275-57-1	Bis(tributyltin) maleate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
159	143-50-0	Chlordecone	Pestticide			Stockholm Convention		
160	143860-04-2	Oxazolidine, (3-ethyl-2- methyl-2-(3-methylbutyl)-	The chemical's proposed use is in high- solids polyurethane coatings as a	REACH Candidate List: 0.1%				0.1%
161	1461-22-9	Tributyltin chloride	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%;		Hong Kong Convention MEPC.269(68),		0.1%



		ER SOLUTIONS					Effective Date: 3-Se	<u>p-2022</u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
162	1461-25-2	Tetrabutyltin	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%
163	147217-75-2	Tribromodiphenylether, (2,2`,4-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
164	14797-65-0	Nitrite	Risk of carcinogenic nitrosamine formation when used as an inhibitor in cutting fluids			2015: 0.1%	Danfoss decision. Applies only to use in cutting fluids (20 ppm)	*20 ppm
165	1511-62-2	Bromodifluoromethane (HBFC-12B1)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
166	15245-44-0	Lead styphnate	Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices and detonators	REACH Candidate List: 0.1%, REACH Annex XVII		2015		0.1%
167	15546-11-9	dibutyltin bis(methylmaleate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%
168	15571-58-1	Stannatetradecanoate, (2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-) (DOTE)	Present in a reaction mass with the corresponding monooctyltin compound, MOTE: used as a heat stabilizer in the production of rigid PVC and some other plastics; found in some adhesives and pigment dispersions. Reference material for laboratory use.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
169	15606-95-8	Triethyl arsenate	This substance is used in the manufacture of semiconductors and has been used in the production of wood preservatives. In both cases the final quantity of the compound in a finished article is expected to be less than 0.1%.	REACH Candidate List: 0.1%, Annex XVII				0.1%
170	15739-80-7	Lead sulfate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation 856/2009	0.01%
171	15972-60-8	Alachlor	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2019	0.0176 (100001117	2010. 0.170		
172	1599-41-3	Trichloropentafluoropropa ne (CFC-215)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong	EPA Ozone Layer protection Danish Regulation 1386/2015	
173	1649-08-7	Dichlorodifluoroethane (HCFC-132b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
174	1717-00-6	Dichlorofluoroethane (HCFC- 141b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
175	1746-01-6	Tetrachlorodibenzo-p- dioxin,	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).	0.1%, REACH Annex XVII		Convention		0.1%
177	1763-23-1	PFOS (Perfluorooctane sulfonic acid, its salts and perfluorooctane sulfonyl fluoride (PFOS-F))	In fire extinguishing equipment, surface treatment	EU) No. 1257/2013 (EU) 2019/1021		Stockholm Convention		
178	1803-12-9	Triphenyltin N,N´- dimethyldithiocarbamate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%
179	182346-21-0	Pentabromodiphenylether, (2,2°,3,4,4°-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
180	1836-75-5	Nitrofen	Herbicide	EU Reg. 540/2011 EC Reg. 1107/2009		ZU13. U.1%		
181	1842-05-3	Dichlorodifluoroethane (HCFC-132c)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
182	1868-53-7	Dibromofluoromethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
183	189084-61-5	Tetrabromodiphenylether, (2,3'4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%



							Effective Date: 3-56	7 <del>0 2022</del>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
184	189084-64-8	Pentabromodiphenylether, (2,2°,4,4°,6-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
185	189-55-9	Dibenzo(a,i)pyrene (DB(a,i)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
186	189-64-0	Dibenzo(a,h)pyrene (DB(a,h)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plucs.					
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,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.					
190	192-65-4	Dibenzo(a,e)pyrene (DB(a,e)P)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
191	192-97-2	Benzo(e)pyrene (BeP)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
192	193-39-5	Indeno(1,2,3-cd)pyrene	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
193	1937-37-7	Disodium 4-amino-3-[[4'- [[2,4' diaminophenyl)azo][1,1'- biphenyl]-4-y[[azo] -5- hydroxy-6- (phenylazo)naphthalene- 2,7- disulphonate (C.I. Direct Black 38)	Direct Black 38 is a benzidine-based dye	REACH Candidate List: 0.1%				0.1%
194	19438-60-9	Hexahydromethylphthalic anhydride [1], Hexahydro- 4- methylphthalic anhydride [2], Hexahydro-1- methylphthalic anhydride [3], Hexahydro-3- methylphthalic anhydride [4]	Curing agent for epoxy resins, especially in the electric and electonics field	REACH Candidate List: 0.1%				0.1%
195	194-59-2		Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
196	1983-10-4	Tributyltin fluoride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003 REACH Annex XVII: 0.1%		Hong Kong Convention: 0.25%		0.1%
197	2050-47-7	Dibromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
198	2052-07-5	Biphenyl, 2-bromo-	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention:		0.005%
199	205-82-3	Benzo(j)fluoranthene (BjFA)	in cable, cords and plugs.	PAHs				0.0001%
200	2058-94-8	Henicosafluoroundecanoic 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.	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%



							Effective Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
203	207122-15-4	Hexabromodiphenylether, (2,2`,4,4`,5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68),		0.1%
204	207122-16-5	Heptabromodiphenylether, (2,2',3,4,4',5',6-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	2015: 0.1% Stockholm Convention; Hong Kong Convention MEPC.269(68),		0.1%
205	20837-86-9	Lead cyanamidate	Pigment, lubricant additive	REACH Candidate List: 0.1%, REACH Annex XVII		2015: 0.1%		0.1%
206	21049-39-8	Perfluorononan-1-oic-acid and its sodium and ammonium salts	Procesing 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%
207	2113-57-7	Bromobiphenyl, (3-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention		0.1%
208	2155-70-6	Tributyltin methacrylate	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
209	218-01-9	Chrysen (CHR)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.	REACH Annex XVII: 0.0001% BaP;				0.0001%
210	21908-53-2	Mercuric(II)oxide	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation: 73/2016	0.01%
211	2224-44-4	Morpholine, 4-(2-nitrobutyl)	Biocide in lubricants		(IIIaii. 0.01 /8 (1000Diii)	2013. 0.176	Danfoss decision; 0.005% free formaldehyde	0.005%
212	224-42-0	Dibenz(a,j)acridine (DB(a,j)AC)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
213	2252-78-0	Bromohexafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
214	226-36-8	Dibenz(a,h)acridine (DB(a,h)AC)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.					
215	2268-46-4	Tetrachiorotetrafluoroprop an e, 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; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
216	2279-76-7	Tripropyltin chloride	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
217	2354-06-5	Pentachlorotrifluoropropan e (CFC-213)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-	1005/2009/EC		Montreal Protocol, The Hong Kong	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- octadecadienoyl)	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%
220	2437-79-8	PCB47	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention 0.005%		0.005%
221	2451-62-9	Triazinane-2,4,6-trione, (1,3,5-Tris(oxiran-2- ylmethyl)- 1,3,5-)-, (TGIC)	Epoxy compound. Used as hardener in resins and coatings. May be used in solder mask applications in production of printed circuit boards. Also used in weather resistant polyester-based powder coatings. May be found in	REACH Candidate List: 0.1%				0.1%
222	24613-89-6	Dichromium tris(chromate)	Mainly used in mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminum coating sectors.	REACH Candidate List, REACH Annex XIV				
223	25154-52-3	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the	Surface active agents	REACH Annex XVII: 0.1%				0.1%



No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
		Trixylyl phosphate	Flame retardant	REACH Candidate List:	20 2 00 00	Protocols		
224	25155-23-1			0.1%, REACH Annex XIV				0.1%
225	25167-88-8	Dichlorofluoroethane (HCFC- 141)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68),	EPA Ozone Layer protection Danish Regulation 1386/2015	
226	25214-70-4	Formaldehyde, oligomeric reaction products with aniline	Mainly used for manufacture of other substances. Minor uses are as hardener for epoxy resins, e.g. for the production of rolls, pipes and molds, and as well for	REACH Candidate List, REACH Annex XIV		2015		
227	2536-05-2	Methylenediphenyl diisocyana	In foam packaging systems, use allowed in embedding of electronics and in	REACH Annex XVII, 0.1%			Danfoss decision	*0.1%
228	25497-29-4	Chlorodifluoroethane (HCFC- 142)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
229	2551-62-4	SF6 (Sulfurhexafluoride)		EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
230	25550-51-0	Hexahydromethylphthalic anhydride [1], Hexahydro- 4- methylphthalic anhydride [2], Hexahydro-1- methylphthalic anhydride [3], Hexahydro-3- methylphthalic anhydride [4]	Curing agent for epoxy resins, especially in the electric and electonics field	REACH Candidate List: 0.1%				0.1%
231	25637-99-4	Heyabromocyclododecane (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]met h ylene]cyclohexa-2,5-dien-1- ylidene-]- (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EU No. 202-027-5) or Michler's	Colorant with uses that may include dyes and inks, including in ball point pens and printer cartridges, cosmetics such as soaps, dyeing of paper, card, plastic, wood, lacquers and coatings, analytical / R&D/diagnostic uses.					0.1%
233	25915-78-0	Dichlorodifluoroethane (HCFC-132)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
234	25973-55-1	Phenol, (2-(2H- benzotriazol-2- yl)-4,6-di- tert-pentyl-) (UV- 328)	Used as an additive; a UV absorber used particularly in transparent plastics. Also used for light- stabilizing rubbers and plastics, and in coatings for wood and the automotive sector. Some use in	REACH Candidate List: 0.1%, REACH Annex XIV		2013		0.1%
235	26172-54-3	Isothiazolin-3-one, 2- Methyl-4	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
236	26172-55-4	Isothiazolin-3-one, 5-Chlor- 2-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
237	2634-33-5	Benzisothiazol-3-one, 1,2-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
238	26354-18-7	Stannane, tributylmethacrylate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
239	26401-86-5	octyltin tris(isooctyl mercaptoacetate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%
240	26530-03-0	Isothiazol-3-one, 5-Chlor-2- m	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
241	26530-20-1	Isothiazol-3-one, 2-N-octyl- 2,3-dihydroxy-	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
242	26636-01-1	dimetyltin bis(isooctyl mercaptoacetate)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%	TOTALIST HUNGS	0.1%
243	26636-32-8	Tributyltinnaphthalate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003 REACH Annex XVII: 0.1%		Hong Kong Convention: 0.25%	Destruction 2	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	*

							Effective Date. <u>5-56</u>	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
245	2713-09-9	e (HCFC-225)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
246	27154-33-2	Trichlorofluoroethane (HCFC- 131)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
247	27323-18-8	Kanechlor 500	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015 0.005%		
248	27858-07-7	Octabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68),		
249	2837-89-0	Monochlorotetrafluoroetha n e (HCFC-124)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
250	26172-55-4	Isothiazolinone	Biocide, preservative, in lubricants and cutting fluids				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
251	29255-31-0	Tetrachlorotetrafluoroprop an e (CFC214)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
252	301-04-2	Lead di(acetate)	This substance may be found in paints and coatings, fillers and plasters, as an intermediate and as a laboratory reagent	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
253	302-01-2	Hydrazine	Hydrazine is used as a foaming agent, as a precursor to polymerization catalysts and pharmaceuticals. Additionally, hydrazine is used in various rocket fuels and to prepare the gas precursors used in air bags. Hydrazine is also used as a corrosion 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; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
255	306-83-2	Dichlorotrifluoroethane (HCFC-123)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
256	307-55-1	Tricosafluorododecanoic acid	Processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant uses / impurity.  Laboratory chemical.	REACH Candidate List: 0.1%				0.1%
257	309-00-2	Aldrin	Pesticide			Stockholm Convention		
258	3090-35-5	Stannane, tributyl(oleoyloxy)	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
259	3090-36-6	Tributyltin laurate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
260	3108-42-7	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium Cadmium sulphate	Lubricant, wetting agent, plasticiser and corrosion inhibitor  Used in metal surface coatings, in	REACH Candidate List 0.1%  REACH Candidate List:				0.1%
261	31119-53-6	Gudinum supriate	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.	0.1%				0.1%
262	311-89-7	Perfluorotributylamine (PFTBA)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
263	31392-96-8	Dibromodifluoroethane (Halon 2202)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
264	31732-71-5	Bis(tributyltin) 2,3- dibromosuccinate	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
265	3182-26-1	Hexachlorodifluoropropan e (CFC-212)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	



	110,010101010	ER SOLUTIONS		<u> </u>			Effective Date: 3-Se	ep-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
266	3194-55-6	(HBCDD) and all major diastereoisomers identified: Alpha-	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	Pesticide			Stockholm		
268	319-85-7	hexachlorocyclohexane Beta	Pesticide			Convention Stockholm		
269	32534-81-9	hexachlorocyclohexane Pentabromodiphenylether s	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Convention Stockholm Convention; Hong Kong Convention MEPC.269(68),		0.1%
270	32536-52-0	Octabromodiphenylethers	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	2015: 0.1% Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
271	32598-13-3	PCB77	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.005%		
272	32774-16-6	PCB169	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		
273	330-55-2	Linuron	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2016				
274	33213-65-9	Endosulfan	Insecticide			Stockholm Convention		
275	335-67-1	Pentadecafluorooctanoi c acid (PFOA)	Surface treatment. Cleaning agent	REACH Candidate List: 0.1%, (EU) 2019/1021 (EU) 2021/115		Stockholm Convention		0.1%
276	335-76-2	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium	Lubricant, wetting agent, plasticiser	REACH Candidate List 0.1%				0.1%
277	33631-63-9	Mercuric chloride	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation: 73/2016	0.1%
278	337513-72-1	Octabromodiphenylether, (2,2',3,4,4',5,5',6-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
279	338-75-0	Propane, 2,3-Dichloro- 1,1,1- trifluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
280	34077-87-7	Dichlorotrifluoroethane (HCFC-123)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
281	34256-82-1	Acetochlor	Pesticide	EU Reg. 540/2011 EC Reg. 1107/2018		2013		
282	35065-27-1	PCB153	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		
283	352-91-0	Bromofluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
284	353-36-6	Fluoroethane (HFC-161)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
285	353-59-3	Bromochlorodifluorometha n e (Halon-1211)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC		Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
286	353-97-9	Tribromodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong	EPA Ozone Layer protection Danish Regulation 1386/2015	
287	354-04-1	Dibromotrifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	



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



							Effective Date: 3-Se	<u> </u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
309	373-52-4	Bromofluoromethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
310	375-95-1	Perfluorononan-1-oic-acid and its sodium and ammonium salts	Procesing 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	Heptacosafluorotetradeca noi c acid	Used as processing aids in the production of fluoropolymers and fluoroelastomers and in other surfactant	REACH Candidate List: 0.1%				0.1%
312	379-52-2	Triphenyltin fluoride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
313	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)	Cleaning agents	REACH Candidate List: 0.1%				0.1%
314	3830-45-3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium	Lubricant, wetting agent, plasticiser and	REACH Candidate List 0.1%				0.1%
315	3846-71-7	Phenol, (2-benzotriazol-2- yl- 4,6-di-tert-butyl-) (UV- 320)	Used as an additive; a UV absorber used particularly in transparent plastics. Also used for light-stabilizing rubbers and plastics, and in coatings for wood and the automotive sector. Some use in committee.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
316	3864-99-1	Phenol, (2,4-di-tert-butyl-6- (5 chlorobenzotriazol-2-yl)-)	UV-protection agents in coatings, plastics, rubber and cosmetics	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
317	39001-02-0	Octachlorodibenzofuran	Pesticides, additives, Combustion pollutants			Stockholm Convention		
318	40088-45-7	Tetrabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.005%		0.1%
319	40321-76-4	Pentachlorodibenzodioxin	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 1013/2021	
321	41318-75-6	Tribromodiphenylether, (2,4,4*-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%	1010/2021	0.1%
322	4149-60-4	Perfluorononan-1-oic-acid and its sodium and ammonium salts	Procesing 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%		ZVIJ. V. I //		0.1%
323	415-25-3	Octafluorocyclobutane (PFC-c318)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 9/2016	
324	41834-16-6	Trichlorodifluoroethane (HCFC-122)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
325	420-44-0	Propane, 2-Chloro-2-fluoro	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68),	EPA Ozone Layer protection Danish Regulation 1386/2015	
326	420-46-2	Trifluoroethane (HFC- 143a)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
327	420-88-2	Tribromofluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
328	420-89-3	Bromodifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
329	420-97-3	Dichlorofluoropropane (HCFC- 261)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
330	421-02-03	Monochlorodifluoropropan e (HCFC-262)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	



						Convention	Lifective Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Protocols	Other Comments	limit (%)
331	421-41-0	a ne (HCFC-251)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
332	421-90-9	Tribromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
333	421-94-3	Pentachlorofluoropropane (HCFC-231)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
334	422-01-5		propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
335	422-26-4	Hexachlorofluoropropane (HCFC-221)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
336	422-44-6	Propane, 1,2-dichloro- 1,1,2,3,3-pentafluoro- (HCFC- 225bb)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
337	422-48-0	Propane, 2,3-dichloro- 1,1,1,2,3-pentafluoro- (HCFC- 225ba)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
338	422-49-1	Pentachlorodifluoropropan e (HCFC-222)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
339	422-52-6	Tetrachlorotrifluoropropan e (HCFC-223)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
340	422-54-8	Trichlorotetrafluoropropan e (HCFC-224)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
341	422-56-0	e (HCFC-225ca)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
342	422-78-6	Heptachlorofluoropropane (CFC-211)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
343	422-86-6	Chloroheptafluoropropane (CFC-217)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
344	4259-43-2	Trichloropentafluoropropa ne (CFC-215)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
345	425-94-5	Dichlorotetrafluoropropane (HCFC-234)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
346	4299-07-4	Buty -n-l-1,2- benzisothiazolin-	Biocide, preservative, in lubricants and cutting fluids	4005/0002/7-2			Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
347	430-55-7	Monochlorofluoropropane (HCFC-271)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	



							Ellective Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
348	430-57-9	Ethane, 1,2-dichloro-1- fluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
349	431-06-1	Dichlorodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
350	431-21-0	Dibromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
351	431-78-7	Dibromopentafluoropropan e	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
352	431-86-7	Propane, 1,2-dichloro- 1,1,3,3,3-pentafluoro- (HCFC- 225da)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
353	431-87-8	a ne (HCFC-226)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
354	431-89-0	Heptafluorpropane (HFC-227a)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
355	4342-30-7	Tributylstannyl salicylate	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
356	4342-36-3	Tributylstannyl benzoate  Nonabromodiphenylether,	Anti-fouling systems containing organotin compounds as a biocide, additive  Brominated flame retardant in electronic	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013 (EU) No. 1257/2013	RoHS: 0.1%	Hong Kong Convention MEPC.269(68), 2015: 0.25% Stockholm		0.1%
357	437701-78-5	(2,2`,3,3`,4,5,5`,6,6`-)	and electrical parts, in plastics and polymers etc.	(20) 10: 1201/2010	10.0.0.170	Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
358	446255-22-7	Heptabromodiphenylether, (1,2,2',3,3',5,5'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
359	446255-39-6	Octabromo diphenylether, (2,2',3,3',4,4',5,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	2003/11/EC; RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
360	446255-50-1	Octabromodiphenylether, (2,2',3,3',4,5',6,6'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Candidate List: 0.1%, REACH Annex XVII (EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
361	453-00-9	Dibromofluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	REACH Candidate List: 0.1%, REACH Annex XVII 1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
362	460-22-2	Bromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	REACH Candidate List: 0.1%, REACH Annex XVII		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
363	460-25-3	Dibromodifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	REACH Candidate List: 0.1%, REACH Annex XVII 1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
364	460-35-5	Monochlorotrifluoropropan e (HCFC-253)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	REACH Candidate List: 0.1%, REACH Annex XVII 1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
365	460-63-9	Trichlorodifluoropropane (HCFC-242)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	

							Effective Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
366	460-69-5	(HCFC-243)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
367	460-73-1	Pentafluoropropane (HFC- 245fa)	In heat pumps, refrigeration and air- conditioning and sprays	REACH Candidate List: 0.1%, REACH Annex XVII EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
368	460-86-6	Dibromotetrafluoropropan e	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
369	460-89-9	Tetrachlorodifluoropropan e (HCFC-232)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
370	460-92-4	Monochloropentafluoropro p ane (HCFC-235)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
371	471-43-2	Dichlorodifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
372	47672-31-1	(C=9-11)	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
373	4782-29-0		Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
374	48122-14-1	Hexahydromethylphthalic anhydride [1], Hexahydro- 4- methylphthalic anhydride [2], Hexahydro-1- methylphthalic anhydride [3], Hexahydro-3- methylphthalic anhydride	Curing agent for epoxy resins, especially in the electric and electonics field	REACH Candidate List: 0.1%				0.1%
375	49663-84-5	Pentazinc chromate	Mainly used in coatings in the vehicle	REACH Candidate List,				
376	49690-94-0	octahydroxide Tribromodiphenylether	coating and aeronautic / aerospace Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XIV (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
377	50-00-0	Formaldehyde	Biocide in lubricants, general used preservative in many products and applications as in paper products, cleaners, disinfectants, textile materials	REACH Annex XVII		2015: 0.1%	Danfoss decision: 0.005% free formaldehyde as biocide in lubricants. In general: 0.15%	
378	50-29-3	DDT	Pesticide	REACH Candidate List: 0.1%, REACH Annex XVII		Stockholm Convention		0.1%
379	50-32-8	Benzo(a)pyrene( BaP)	Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and blucs.	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	Dichloropentafluoropropan e (HCFC-225cb)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
382	51200-87-4	Oxazolidine, (4,4´- Dimethyl)	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids; 0.2%	*0.2%
383	51207-31-9	Tetrachlorodibenzofuran, (2,3,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
384	513-79-1	Cobalt(II) carbonate	Cobalt(II) carbonate is mainly used in the manufacture of catalysts. Minor uses may include as a feed additive, in the manufacture of other chemicals including pigments, and as an adhesive in ground coat frit.	0.1%				0.1%
385	51404-69-4		Lead acetate is used in dying and pigmentation aid for textiles, hair products, paints etc. Use in Europe restricted under regulations on use of lead, but may be found in imported products, especially painted ornamental	REACH Candidate List: 0.1%				0.1%
386	53469-21-9	Arochlor 1242	heat exchange fluids, additives	(EU) No. 1257/2013		Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		



							Effective Date. <u>5-56</u>	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
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 pluos.	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs				0.0001%
388	542-88-1	Bis (chloromethyl) ether	In chemical synthesis				0.06%	0.06%
389	5436-43-1	Tetrabromodiphenylether, (2,2'4,4'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
390	548-62-9	Dimethylammonium chloride, (4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohex a- 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 hase (EII No.	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.	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-	Biocide, preservative, in lubricants and	REACH Candidate List: 0.1%, REACH Annex XVII		Convention	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.	Mainly used as a dye in writing inks. May be referred to as Solvent Violet 8, although the Color Index and CAS registry numbers do not necessarily match. Solvent Violet 8 is used in inks (including ballpoint pens and printer	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
394	56-23-5	Carbontetrachlorid	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC, REACH Annex XVII (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
395	5625-90-1	Methylene-bis- morpholine/Bis-morpholino- methane	Biocide in lubricants				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
396	56-35-9	bis(tributyltin)oxide (TBTO)	This substance is a biocide with major use in external wood treatment and ship descaling. It is possible that this substance could be found in some imported timber products	REACH Candidate List: 0.1%, Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
397	56-36-0	Tributytin acetate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
398	56-55-3	Benzo(a)anthracene (BaA)	Softening oils in rubber and plastic compounds/chemicals. Normally not produced intentionally but rather occurs as a constituent or impurity in many materials. In rubber compounds/chemicals. May be present	REACH Annex XVII: 0.0001% BaP; 0.001% sum of all listed PAHs		2013. 0.25%		0.0001%
399	57110-29-9	4- methylphthalic anhydride [2], Hexahydro-1- methylphthalic anhydride [3], Hexahydro-3- methylphthalic anhydride	Curing agent for epoxy resins, especially in the electric and electonics field	REACH Candidate List: 0.1%				0.1%
400	57117-31-4	Pentachlorodibenzofuran,	Pesticides, additives, Combustion			Stockholm		
401	57117-41-6	(2,3,4,7,8-) Pentachlorodibenzofuran,	pollutants Pesticides, additives, Combustion			Convention Stockholm		
402	57117-44-9	(1,2,3,7,8-) Hexachlorodibenzofuran,	pollutants Pesticides, additives, Combustion			Convention Stockholm		
403	573-58-0	(1,2,3,6,7,8-) Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-	pollutants Direct Red 28 is a benzidine-based dyes	REACH Candidate List: 0.1%, REACH Annex XVII		Convention		0.1%
404	57-74-9	sulphonate) (C.I. Direct Chlordan	Pesticide			Stockholm		
405	58-89-9	Lindane	Pesticide			Convention Stockholm		
		Hexabromobiphenyl	Brominated flame retardant in electronic	REACH Annex XVII: 0.1%;		Convention Stockholm		
406	59080-40-9		and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Convention; Hong Kong Convention MEPC.269(68), 2015; 0.005%		0.1%
407	593-53-3	Fluoromethane (HFC-32)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
408	593-70-4	Monochlorofluoromethane (HCFC-31)	conditioning and sprays In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
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-)-, (Î <sup>2</sup> 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%



		ER SOLUTIONS					Effective Date: 3-Se	<del>:p-</del> 2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
410	598-63-0	Lead(II)carbonate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation 856/2009	0.01%
411	60-09-3	Amino-azobenzene, 4-	Also known as aniline yellow, CI 11000 or under many other common historical names. This chemical was implicated in the 1980s vegetable oil poisoning incident when added to industrial oil that was out into the food market. It is used	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)	man, 0.01 /2 (10000m)	2013. 0.178		0.003%
412	60348-60-9	Pentabromodiphenylether, (2,2',4,4',5-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
413	605-50-5	Diisopentylphthalate	This phthalate is used as a plasticiser in plastic goods and may be present above 0.1% w/w in such articles. It is also used in the manufacture of propellants and explosives and as such may be found in ammunition and rifle powders above 0.1% w/w.	REACH Candidate List: 0.1%, REACH Annex XIV; REACH Annex XVII				0.1%
414	60-57-1	Dieldrin	Pesticide Pesticide			Stockholm Convention		
415	6080-56-4	Lead(II)acetate, trihydrate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation 856/2009	0.1%
416	60851-34-5	Hexachlorodibenzofuran, (2,3,4,6,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
417	608-93-5	Pentachlorobenzene	Pesticide, flame retardant	REACH Candidate List: 0.1%, REACH Annex XVII		Stockholm Convention		
418	61288-13-9	Octabromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.005%		0.1%
419	615-05-4	Methoxy-m- phenylenediamine, 4-	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
420	61788-33-8	Polychlorinated terphenyls	Additive, heat transfer agent Herbicide	REACH Annex XVII;				0.005%
421	61-82-5	Amitrol (Aminotriazol)		EU Reg. 540/2011 EC Reg. 1107/2009				
422	62229-08-7	Sulfurous acid, lead salt, dibasic	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
423	624-49-7	Dimethyl fumarate	The substance is normally used as an additive to silica gel sold in small packs. The packs release DMFu during transport of products in order to avoid mold, mostly in furniture, textiles and	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
424	625-45-6	Methoxyacetic acid  Diethoxyethane, 1,2-	Used in chemical synthesis, cleaning agent, metal finishing, cosmetics  This substance is a glycol ether and	REACH Candidate List: 0.1% REACH Candidate List:				0.1%
425	629-14-1	Dietioxyetilaile, 1,2-	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.					0.1%
426	630-20-6		Solvent, degreasing agent	REACH Annex XVII: 0.1%	D-110, 0.40/	Ct a alsh a las		0.1%
427	63387-28-0	Nonabromodiphenylether, (2,2',3,3',4,4',5,5',6-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015; 0.1%		0.1%
428	63936-56-1	Nonabromodiphenylether	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
429	63938-10-3	Chlorotetrafluoroethane HCFC-124)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
430	639-58-7	Triphenyltin chloride	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
431	64359-81-5	Isothiazolone- 3(2H)- 4,5- dichlor-2-octyl	Biocide, preservative, in lubricants and cutting fluids			2.270	Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
432	6454-35-9	Bis(tributyltin) fumarate	Anti-fouling systems containing organotin compounds as a biocide,additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%	I I I I I I I I I I I I I I I I I I I	0.1%
433	64-67-5	Diethyl sulphate	Used mainly as a reagent in chemical synthesis.	REACH Candidate List: 0.1%		0.0.0.20/0		0.1%
434	6477-64-1	Lead dipicrate	synthesis.  No registration for this substance has been submitted to ECHA. Lead dipicrate is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead	REACH Candidate List: 0.1%, REACH				0.1%
435	6517-25-5	Tributyltin sulfamate	Anti-fouling systems containing organotin compounds as a biocide,additive	REACH Candidate List: 0.1%, REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 0.25%		0.1%



							Lifective Date. 5-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
436	65996-93-2	Pitch, coal tar, high temp.	Pitch, coal tar, high temp, is mainly used in the production of electrodes for industrial applications. Smaller volumes are dedicated to specific uses such as heavy duty corrosion protection, special purpose paying, and manufacture of	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
437	661-97-2	Dichlorohexafluoropropan e (CFC-216)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
438	666-27-3	Tetrachlorofluoropropane (HCFC-241)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
439	67562-39-4	Heptachlorodibenzofuran, (1,2,3,4,6,7,8-)	Pesticides, additives, Combustion pollutants			Stockholm Convention		
440	67-66-3	Chloroform	Solvent, degreasing agent	REACH Annex XVII: 0.1%		Convention		0.1%
441	67-72-1	Hexachlorethane	In manufacturing or processing non-	REACH Annex XVII				
442	67774-32-7	Hexabromobiphenyl	ferrous metals Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
443	67797-09-5	Octabromodiphenylether, (2,2`,3,3`,5,5`,6,6`-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
444	678-26-2	Dodecafluoropentane (PFC-4-1-12)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
445	6786-83-0	Naphthalene-1- methanol,q,q- Bis[4- (dimethylamino)phenyl]-4 (phenylamino)- (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EU No. 202-027-5) or Michler's base (EU No.	Colorant with uses that may include dyes and inks, including in ball pens, cosmetics such as soaps, fuels, dyeing of paper, card, plastic, wood, lacquers and coatings, analytical / R&D/diagnostic uses. May be found in Wind screen washing fluid.	0.1%				0.1%
446	679-84-5	Bromotetrafluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
447	679-85-6	Monochlorotetrafluoroprop a ne (HCFC-244)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
448	68-12-2	Formamide, N,N-dimethyl-	DMF is used as a reagent and solvent in many industrial applications in the chemical industry. It is also used in the production and cleaning of polyurethane synthetic/artificial leather and some plastics. It may be used as a degreaser in the metal	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
449	683-18-1	Dibutyltin dichloride (DBTC)	This substance is used as an additive in the production of tyres and other rubber products. It is also used as a stabiliser in PVC, for example in water pipes, PVC textile products and packing materials), as a catalyst in the production of	REACH Candidate List: 0.1%				0.1%
450	68515-42-4	Benzene-1,2-dicarboxylic acid, di-C7-11-branched and	This substance may be used as a plasticizer for PVC.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
451	68515-50-4	Benzenedicarboxylic acid (1,2), dihexyl ester, branched and linear	UVCB substance	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
452	68515-51-5	octyl diesters with ≥ 0.3%	These substances are used for example as plasticisers and lubricants, including use in adhesives, coatings, building material, cable compounding, polymer foils, PVC compounds and artist supply (e.g. modelling clay and finger paints).	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
453	68631-49-2	Hexabromodiphenylether, (2,2',4,4',5,5'-)	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	ŕ	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
454	68648-93-1	Benzenedicarboxylic acid, (1,2-), di-C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of diband abthalate.	These substances are used for example as plasticisers and lubricants, including use in adhesives, coatings, building material, cable compounding, polymer foils, PVC compounds and artist supply (e.g. modelling clay and finger paints).	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%

No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
455	68784-75-8	Silicic acid (H2Si2O5), barium salt (1:1), lead- doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of	UV fluorescent tubes	REACH Candidate List: 0.1%, REACH Annex XVII		llas Kan		0.1%
456	688-73-3	Tributyltin hydride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
457	68928-80-3		Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
458	69011-06-9	Dioxotrilead,[Phthalato(2-)]	Stabiliser used in production of pvc products	REACH Candidate List: 0.1%; REACH Annex XVII				0.1%
459	690-39-1	Hexafluoropropane (HFC- 236fa)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
460	70648-26-9	Hexachlorodibenzofuran,	Pesticides, additives, Combustion			Stockholm	1013/2021	
461	70776-03-3	(1,2,3,4,7,8-) Polychlorinated naphthalenes (more than 1 chlorine atoms)	pollutants Additive	(EU) No. 1257/2013		Convention Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		
462	7094-94-2	Triphenyltin chloroacetate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
463	7125-83-9	Propane, 1,1,1-Trichloro- 3,3,3-trifluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
464	7125-84-0	Trichlorotrifluoropropane (HCFC-233)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
465	7125-99-7	Propane, 1,1-Dichloro- 1,2,2- trifluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
466	71-43-2	Benzene	Solvent, degreasing agent	REACH Annex XVII:		2013		0.0005%
467	71-48-7	Cobalt(II) diacetate	Cobalt(II) diacetate is mainly used in the manufacture of catalysts or as a catalyst. Minor uses may include the manufacture of other chemicals including pigments, surface treatments, in alloys, dyes, rubber adhesion, and as a feed additive.	REACH Candidate List: 0.1%				0.1%
468	71-55-6	Methylchloroform	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
469	71888-89-6	Benzene-1,2-dicarboxylic acid, di-C6-8-branched alkyl	This substance may be used as a plasticizer for PVC and some ink and coatings formulations.	REACH Candidate List: 0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
470	72-20-8	Endrin	Pesticide			Stockholm Convention		
471	72629-94-8	Pentacosafluorotridecanoi c 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	(1,2,3,7,8,9-) Strontium	Radioactive substance, many uses	(EU) No. 1257/2013	EURATOM	Hong Kong Convention MEPC.269(68), 2015		
474	7440-38-2	Arsenic	Pb and Cu alloys, metal adhesives, soft	REACH Annex XVII				
475	7440-41-7	Beryllium	solders, electronics and pigments. In alloys, mirrors, semiconductors				Exemptions: in copper	
476	7440-46-2	Cesium	Radioactive substance, many uses	(EU) No. 1257/2013	EURATOM	Hong Kong	alloys, in welding	
477	7440-46-2	Lead(II)sulfate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Convention Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 856/2009	0.01%
478	7446-27-7	Lead phosphate	In pigments, additives, corrosion inhibitors	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention: 0.1%	Danish Regulation 856/2009	0.01%
479	74-83-9	Methylbromide	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	



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



							Effective Date: 3-Se	,ρ- <u>Ζ0ΖΖ</u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
503	76-15-3	Monochloropentafluoroeth a ne H(CFC-115)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
504	76-16-4	Hexafluoroethane (PFC- 116)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
505	76-17-5	Trichloropentafluoropropa ne , 1,2,3-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
506	76-19-7	Octafluoropropane (PFC-	For PFC: also in fire extinguisher and	EU 517/2014			Danish Regulation 9/2016	
507	762-49-2	[218] Bromofluoroethane	equipment.  In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
508	76253-60-6	Monomethyl- tetrachlorodiphenyl	Replacement for PCB	REACH Candidate List: 0.1%, REACH				
509	04-04-7632	Sodium peroxometaborate	A source of active oxygen in many detergents	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
510	76-44-8	Heptachlor	Pesticide	, and some		Stockholm Convention		
511	7646-79-9	Cobalt dichloride	The most common use is for the detection of moisture, for example as a color indicator in drying agents such as silica gel. Paper impregnated with cobalt chloride, known as "cobalt chloride paper" has been used to detect the	REACH Candidate List: 0.1%				0.1%
512	76-87-9	Triphenyltin hydroxide	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
513	77-09-8	Phenolphthalein	Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal	REACH Candidate List: 0.1%				0.1%
514		Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and	Acids generated from chromium trioxide and their oligomers are mainly used in metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. It is also used as a fixing agent in waterborne wood pres	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
515	77536-66-4	Actinolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
516	77536-67-5	Anthophyllite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
517	77536-68-6	Tremolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings			Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
518	77-58-7	dibutyltin dilaurate (DBTL)	In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
519	7758-97-6	Lead chromate	Lead chromate is used for manufacturing pigments and dyes, and as a pigment or coating agent in industrial and maritime paint products or varnishes. Further potential uses may be associated with the formulation of detergents and bleaches, photosensitive.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
520	776297-69-9	Phthalate, n-pentyl- isopentyl-	Plasticiser for plastic products, adhesives, paints, etc. Not pre- registered, so use likely to be low or present as an impurity	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
521	7775-11-3	Sodium chromate	Sodium chromate is mainly used as an intermediate in the manufacture of other chromium compounds as well as a laboratory analytical agent, but this use is limited. Other potential uses are mentioned in the literature but whether they occur in the FU is no	REACH Candidate List, REACH Annex XIV				
522	77-78-1	Dimethyl sulphate	Dimethyl sulfate is a strong methylating agent used to convert compounds such as phenols, amines, and thiols to the corresponding methyl derivatives. It is also used as a methylating or sulfating agent in the manufacture of methyl esters, ethers, and amin	REACH Candidate List: 0.1%				0.1%
523	7778-39-4	Arsenic acid	Mainly used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards.	REACH Candidate List, REACH Annex XIV, REACH Annex XVII				
524	7778-44-1	Calcium arsenate	Calcium arsenate is present in complex raw materials imported for manufacture of copper, lead and a range of precious metals. It appears mainly to be used as precipitating agent in copper smelting and to manufacture diarsenic trioxide.	REACH Candidate List: 0.1%				0.1%



	TRANSFORME	ER SOLUTIONS					Effective Date: 3-Se	:p-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
525	7778-50-9	Potassium dichromate	Potassium dichromate is used for chrome metal manufacturing and as corrosion inhibitor for treatment and coating of metals. It is further used as textile mordant, as laboratory analytical agent, for cleaning of laboratory	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention: 0.1%		0.01%
526	7783-35-9	Mercuric sulfate	In lamps, electric switches, luminescent materials	REACH Annex XVII; (EU) No. 1257/2013	Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm)	Hong Kong Convention MEPC.269(68), 2015; 0.1%	Danish Regulation: 73/2016	0.01%
527	7784-40-9	, ,	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	IIIan. 0.01% (1000biii)	2013. 0.1%		0.1%
528	7789-00-6	Potassium chromate	Potassium chromate is used as a corrosion inhibitor for treatment and coating of metals, for manufacture of reagents, chemicals and textiles, as a coloring agent in ceramics, in the manufacture of pigments/inks and in the	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
529	7789-06-2	Strontium chromate	Strontium chromate pigment is used as an anti-corrosion ingredient for some paints. It has uses in coatings for the aerospace and vehicle sectors as well as in coil coating applications.	REACH Candidate List, REACH Annex XIV				
530	7789-09-5		Ammonium dichromate 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		This substance is an important reagent for the production of a wide range of chemicals. It is aso used in metal finishing process, leather tanning and in some ceramics / glasses. This substance is very unlikely to be present in articles above 0.14% operant.	REACH Candidate List, REACH Annex XIV, Annex XVII; (EU) No. 1257/2013	RoHS: 0.1%; Packaging sum of mercury, cadmium, lead and hexavalent chromium less than: 0.01% (100ppm); ELV 2g/car	Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.01%
532	7790-79-6		Used in the manufacture of glass and phosphors, and in the production of metallic alloys. Also used in optics and electronics, luminescent screens, solar cells, electric brushes, dielectric ceramics for capacitors, as a fluxing	REACH Candidate List: 0.1%				0.1%
533	7799-56-6		In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
534	78-00-2	Tetraethyllead	Formerly used as an an antiknock additive in leaded petrol. It is still used as an additive in aviation fuel for pistonengine-powered aircraft.					0.1%
535	7803-57-8		Hydrazine is used as a foaming agent, as a precursor to polymerization catalysts and pharmaceuticals. Additionally, hydrazine is used in various rocket fuels and to prepare the gas precursors used in air bags. Hydrazine is also used as a corrosion	REACH Candidate List: 0.1%				0.1%
536	78-30-8		Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Ortho- TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	*0.5%
537	78-32-0	Tricresylphosphate (all isomers except ortho)	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Ortho- TCP: 0.5%. The sum of Meta- and Para-TCP: 5%.	*0.5%
538	79-00-5	Trichloroethane (1,1,2-)	Solvent, degreasing agent	REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015	Danish Reg. 1386/2015	0.1%
539	79-01-6	Trichloroethylene ("TRI")	Trichlorethylene is mainly used as intermediate in the manufacture of chlorinated and fluorinated organic compounds. Other uses are for cleaning and degreasing of metal parts or as solvent in adhesives.	REACH Candidate List, REACH Annex XIV			Danfoss decision. General ban since 1985.	
540	79-06-1		Acrylamide is almost exclusively used for the synthesis of polyacrylamides, which are used in various applications, in particular in waste water treatment and paper processing. Minor uses of acrylamide comprise the preparation of	REACH Candidate List: 0.1%, Annex XVII: 0.1%				0.1%
541	79-16-3		Intermediate for chemical synthesis in the production of pharmaceuticals, pesticides and electronic materials Solvent, degreasing agent	REACH Candidate List: 0.1% REACH Annex XVII: 0.1%				0.1%
542	79-34-5	Toxaphene	Insecticide	REACTI ATTIEX AVII. 0.176		Stockholm		
543 544	8001-35-2 8001-58-9	Creosote	In wood preservatives, packaging	REACH Annex XVII		Convention		
545	80-05-7	Bisphenol A	materials Production of polymers, Manufacture of polycarbonate epoxy resins and	REACH Candidate List 0.1%, REACH Annex XVII				0.02%
		Pyrochlore, antimony lead	chemicals: hardener in epoxy resins. in Pigment in paints and enamels	0.02% REACH Candidate List:			<del>                                     </del>	0.40/
546	8012-00-8	yellow Phenol, p-(1,1-	Manufacture of chemicals and plastic	0.1%, REACH Annex XVII REACH Candidate List				0.1%



							Effective Date: 3-S	OP LULL
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
548	81-15-2	5-tert-butyl-2,4,6-trinitro-m- xylene (musk xylene)	A fragrance which may be incorporated into complex fragrance mixtures. Although not manufactured in the EU it may be formulated into imported fragrance compositions. This substance is very unlikely to be present in any EU produced articles.	REACH Candidate List, REACH Annex XIV				
549	81161-70-8	Monomethyl-dichloro- diphenyl methane	Replacement for PCB	Reach Annex XVII				
550	811-95-0	Trichlorofluoroethane (HCFC- 131b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
551	811-97-2	Tetrafluoroethane (HFC- 134a)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	
552	812-04-4	Dichlorotrifluoroethane (HCFC-123b)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
553	818-99-5	Propane, 1,1,3-Trichloro-1- fluoro-	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in aircondition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
554	819-00-1	Dichlorodifluoropropane (HCFC-252)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
555	838-88-0	Methylenedi-o-toluidine, 4,4`-	This substance is used as an intermediate in the production of elastomers, dyes and colourants.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
556	84-75-3	Dihexyl phthalate	This phthalate is used as a plasticizer for PVC	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
557	84777-06-0	Benzenedicarboxylic acid (1,2), dipentylester, branched and linear	This phthalate may be used as a plasticiser for plastic materials. It was not registered for the 2010 deadline and thus is thought to be in low usage in the EEA. However, it may be present in	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
558	84852-15-3	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the	Surface active agents	REACH Annex XVII: 0.1%				0.1%
559	85409-17-2	Stannane, tributyl-, mono(naphthenoyloxy) derivs.	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%
560	85-42-7	Cyclohexane-1,2- dicarboxylic anhydride [1], cis- cyclohexane-1,2- dicarboxylic anhydride [2], trans- cyclohexane-1,2- dicarboxylic anhydride [3] <i> The individual cis- [2] and trans- [3] isomer substances and all possible combinations</i>	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	2030/2015, 1%		Hong Kong Convention MEPC.269(68), 2015; 1%. Stockholm Convention		0.1%
562	872-50-4	Pyrrolidone, 1-Methyl-2-	This substance is used as an intermediate and as an industrial solvent for surface treatment of textiles, resins and metal coated plastics or as a paint stripper. It is also used in the pharmacectical and agrochemical industries. Restrictions entry 71.	REACH Candidate List:				0.1%
563	87-86-5	Pentachlorphenol	Pestticide	EU) 2021/277 (EU) 2019/1021 REACH Annex XVII; 0.1%		Stockholm Convention		0.1%
564	88-85-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	Miticide, herbicide (withdrawn from use). High temperature polymerization inhibitor for styrene, methylstyrene and other styrene analogues. Also used as organic intermediate	REACH Candidate List: 0.1%				0.1%
565	90-04-0	Methoxyaniline, 2-	Mainly used in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminum foil.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)		Hong V		0.003%
566	900-95-8	Triphenyltin acetate	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%; (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.1%



			<u></u>				Effective Date: 3-Se	<u>μ-2022</u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
567	90454-18-5	Dichloro-1,1,2- trifluoroethane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
568	90640-80-5	Anthracene oil	The listed anthracene oil based substances are mainly used in the manufacture of other substances such as anthracene and carbon black. They may also be used as reducing agents in blast furnaces, as components in bunker	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
569	90640-81-6	Anthracene oil, anthracene	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
570	90640-82-7	Anthracene oil, anthracene-	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
571	90-94-8	Benzophenone, 4,4'- bis(dimethylamino)- (Michler's ketone)	Important intermediate in the manufacture of triphenylmethane dyes. May be used as a colouring agent in the paper and paper products sector. May be present in dyes and pigments as a	REACH Candidate List: 0.1%				0.1%
572	91031-62-8	Fatty acids, C16-18, lead salts	Stabiliser used in production of pvc products, particularly construction products such as piping, cables, etc.	REACH Candidate List: 0.1%, REACH Annex XVII				0.1%
573	91-59-8	2-Naphthylamine	In dyes for textiles etc., packaging materials	REACH Annex XVII: 0,003% (30ppm)				0.003%
574	91-94-1	3,3`- Dichlorobenzidine	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
575	91995-15-2	Anthracene oil, anthracene paste,	synthesis, production of dyes	REACH Candidate List: 0.1%				0.1%
576	91995-17-4	Anthracene oil,	synthesis, production of dyes	REACH Candidate List:				0.1%
577	92-66-0	anthracene paste, distn. 4-Bromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	0.1% REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
578	92-67-1	4-Aminobiphenyl	Starting chemical for many azo dyes and will be a residue from production or may even form as a metabolite (breakdown product) from certain materials. Possible presidue in textiles and coloured materials.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
579	92-86-4	Dibromobiphenyl	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.005%		0.1%
580	92-87-5	Benzidine	In dyes for textiles etc., packaging	REACH Annex XVII:		20102-0200270		0.003%
581	92-93-3	4-Nitrobiphenyl	materials	0,003% (30ppm) REACH Annex XVII: 0.1 %				0.1%
582	95-53-4	2-Aminotoluene	Intermediate in chemical synthesis of herbicides, rubber chemicals, dye and pigment intermediates, resin hardeners, fungicide intermediates, pharmacectical intermediates, and others	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
583	95-69-2	4-Chloro-o-toluidine	In dyes for textiles etc., packaging materials	REACH Anex XVII: 0,003% (30ppm)				0.003%
584	95-76-1	3,4-Dichloroaniline	Manufacture of chemicals					
585	95-80-7	Methyl-1,3- benzenediamine, 4-	Used mainly as an intermediate, but also may appear as residue in polyurethane foams from polymer production	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
586	959-98-8	Endosulfan	Insecticide			Stockholm Convention		
587	96-18-4	Propane, 1,2,3-Trichloro-	TCP is used as an industrial solvent, as a monomer and as an intermediate for the synthesis of chlorinated solvents, some cross-linking agents and chlorinated solvents. Historically it had uses in consumer products such as paint strippers but must no long					0.1%
588	96-45-7	Imidazolidine-2-thione; (2- imidazoline-2-thiol)	This substance is used as a vulcanisation agent and in the production of tyres and general rubber	REACH Candidate List: 0.1%				0.1%
589	97-56-3	Amino-2`,3- dimethylazobenzene, 4-	Azo dye, may be used as a staining agent in biological sciences. Formerly used for coloring oils, fats, and waxes.	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.003%
590	98-95-3	Nitrobenzene	Manufacture of other substances	REACH Candidate List:				0.1%
591	99-55-8	5-Nitro-o-toluidine  Monomethyl-dibromo-	In dyes for textiles etc., packaging materials Brominated flame retardant in electronic	REACH Anex XVII: 0,003% (30ppm) Reach Annex XVII				0.003%
592	99688-47-8	diphenyl methane bromobenzylbromotoluene 4-Nitrotoluene	and electrical parts, in plastics and					
593 594	99-99-0 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	REACH Annex XVII		Minamata		
596	All	Organotin (Mono-, di-, and trialkyl and -aryl tin compounds) (e.g. below)	materials In plasticizers and metals, antifouling agents (TBT)	REACH Annex XVII: 0.1 %; EC Reg. 782/2003; (EU) No. 1257/2013		Covention Hong Kong Convention MEPC.269(68), 2015: 0.25%		0.25%
597	All	Cresylphosphates	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*
598	All	Dicresylphosphates	Plasticizer additives in nitrocellulose, PVC, flame retardant, additive in oils, acrylate lacquers, varnishes.				Danfoss decision. Only prohibited for use in cutting/cooling (metal working) fluids	*



A								Effective Date: 3-56	<u> </u>
March   March   Security   March   M	No.	CAS Number		· ·	EU Regulation	EU Directives			limit (%)
Mate	599	All	Tricresylphosphates (TCP)	PVC, flame retardant, additive in oils,				TCP: 0.5%. The sum of	*0.5%
March   Marc	600	All	which facilitate the	Corrosion protection, pH stabilizer				TRGS 611; 615, 0.2%	0.2%
Management   Microsoft Services   Microsoft Servi	601	All		Biocide in lubricants				free formaldehyde as biocide in lubricants. In general: 0.15%	*0.005%
All Average at with PAM (a) Base at the Committee of Comm	602	All						prohibited for use in cutting/cooling (metal working) fluids	*
Section   Sect	603	All	·					prohibited for use in cutting/cooling (metal working) fluids	*
Substance	604	All		Dase uns				(50 ppm) Benz(a)pyren, 3%	*0.005%
All   Non-physionic bundless and least ethologies	605		substances					prohibited for use in cutting/cooling (metal	*
4 All Performance with a linear control and an area of the control and area of the control				· ·					0.404
All contains adjoined and in cleaning agents, refrigerents, prohibited for use in control cont			4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances.	Surface active agents				Danface decision Only	
Hydrochrondruorcachons   In cleaning agents (refigerants, propellisms in aerosid spray, blowing agents for making foam and in air condition system.   1005/2009REC.(EU) No.   157/2013   1005	609	All		Extreme pressure additive				prohibited for use in cutting/cooling (metal	*
Hydrotronodiunocachons   In cleaning agents, refrigerants, propellatis in aerose spray, blowing agents for making foam and in air-condition system.   1055/2008.EC.(EU) No.   1257/2013	610	All		propellants in aerosol spray, blowing agents for making foam and in air-			Protocol, The Hong Kong Convention MEPC.269(68),	EPA Ozone Layer protection Danish	
All   HFC (Hydrofluorocatons)   In heat pumps, refrigeration and air-conditioning and sprays   EU 517/2014   Kyoto Protocol Danish Regulation   101/3/2021   10	611	All		propellants in aerosol spray, blowing agents for making foam and in air-			Montreal Protocol, The Hong Kong Convention MEPC.269(68),	protection Danish	
All   PFC (Perfluorocarbons)   For PFC: also in fire extinguisher and equipment.   EU 517/2014   EU 517/2014   Syoto Protocol   Danish Regulation   1013/2021	612	All	HFC (Hydrofluorocarbons)		EU 517/2014				
Stockholm   Stockholm   Stockholm   Stockholm   Stockholm   Convention   Convention   Convention   Convention   Memory according to the production of rigid PVC and some other   Pales   Pal	613	All	PFC (Perfluorocarbons)	For PFC: also in fire extinguisher and	EU 517/2014		Kyoto Protocol	Danish Regulation	
Reacting and service substances and service substances and service services and ser	614	All						1013/2021	
Softening oils in rubber and plastic compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable. cords and pluss.	615	All	Radioactive substances	Many uses	(EU) No. 1257/2013	EURATOM	Hong Kong Convention MEPC.269(68), 2015 no		
Signature   All   with proven carcinogenic   a risk of exposure to respirable fibers   S-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane   11,5-sec-butyl-2-(4,6-dimethylcychohex-3-en-1-yl)-5-methyl-1,3-dioxane   22   (covering any of the individual stereoisomers of   11 and   22   or any   22   ethylthexyl 10-ethyl-4-4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and   2-ethylhexyl 10-ethyl-4-[2-(2-expyllptiol-4-d-ctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE   Sodium perforate;   Sod	616	All		compounds/chemicals and as contaminant in many materials. In rubber compounds/chemicals. May be present in cable, cords and plugs.			iresnoid value		
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  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[12-[2-extylhexyl] 10-ethyl-4-fl2-[2-extylhexyl] 10-ethyl-4-fl2-[2-extylhexyl	617	All	with proven carcinogenic	a risk of exposure to respirable fibers					
ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5- dithia-4- stannatetradecanoate and 2- ethylhexyl 10-ethyl-4-[[2- [(2- ethylhexyl)oxyl-2- oxoethyl[hio]-4-octyl-7-oxo- 8-oxa-3,5-dithia-4- stannatetradecanoate (reaction mass of DOTE  Sodium perborate; perboric  All Nonylphenol, 4-, branched Cleaning agents  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%	618	All	dimethylcyclonex-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	example, the product with the trade name "karanal". Public information sources indicate that the main use of karanal is as a fragrance ingredient.	0.1%, REACH Annex XIV				0.1%
All Sodium perborate; perboric detergents REACH Candidate List: 0.1%  Nonylphenol, 4-, branched Cleaning agents REACH Candidate List: 0.1%	619	All	ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-diithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-diithia-4-stannatetradecanoate	production of rigid PVC and some other plastics; may be found in some adhesives and pigment dispersions.	0.1%, REACH				0.1%
	620	All	Sodium perborate; perboric	detergents	0.1%				0.1%
juliu iii loai, oli loxyiatou j	621	All	Nonylphenol, 4-, branched and linear, ethoxylated	Cleaning agents	REACH Candidate List: 0.1%				0.1%



							Ellective Date. <u>5-5e</u>	P LULL
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
622	All	well- defined substances	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		Protocols		0.1%
623	All	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</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%
624	All	Ceramic Fibres 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	Refractory Ceramic Fibres /> <i> are fibres covered by index number 650-017-00- 8 in Annex VI, part 3, table</i>	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		In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air- condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	
627	ALL	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 mi-erals, suppliers are required to supply materials to Danfoss that are DRC Conflict-Free.  That means that the materials do not contain tantalum, tin, tungsten or gold (3TG) or if products supplied to Danfoss do contain these minerals, the minerals must originate outside the DRC, come from scrap or recycled sources, or be supplied from smelters that have been validated by an independent pri-vate sector party to be conflict-free. Suppliers are required to adopt policies and man-agement systems with respect to					
628	All	BNST- Benzenamine, N- phenyl-, Reaction Products with Styrene and 2,4,4- Trimethylpentene	conflict minerals and to require their					
629	All	Pentachlorophenol and by- Pesticide, disinfectant products of its synthesis				Stockholm Convention; California Prop65		
630	All	and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual	Manufacture of polymers; formulation into lubricants	REACH Candidate List 0.1%				0.1%
631	All		Plasticiser, lubricant, wetting agent, corrosion inhibitor and in fire-fighting	REACH Candidate List 0.1%				0.1%
632	26447-40-5	diisocyanate (MDI) including isomers	foams In foam packaging systems, use allowed in embedding of electronics and in adhesives	REACH Appex XVII: 0.1%			Danfoss decision. Prohibited in foam packaging systems, use allowed in embedding Danfoss decision.	*0.1%
633	5873-54-1	diisocyanate (MDI)	In foam packaging systems, use allowed in embedding of electronics and in adhesives				Prohibited in foam packaging systems, use allowed in embedding	*0.1%
634	2536-05-2		In foam packaging systems, use allowed in embedding of electronics and in	NEACH ARREX AVII: 0.1%			Danfoss decision	*0.1%

							Ellective Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
635	218-01-9	Chrysene	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.	REACH Candidate List 0.1%, REACH Annex XVII				0.1%
636	10325-94-7	Cadmium nitrate	Used for the manufacture of glass, porcelain and ceramic products and in laboratory chemicals	REACH Candidate List 0.1%				0.1%
637	21041-95-2	Cadmium hydroxide	Used for the manufacture of electrical, electronic and optical equipment and in laboratory chemicals.	REACH Candidate List 0.1%				0.1%
638	513-78-0	Cadmium carbonate	Used as a pH regulator and in water treatment products, laboratory	REACH Candidate List 0.1%				0.1%
639	All	8,18 - Dodecachloropentacyclo [12. 2.1.16,9.02,13.05,10]octad ec a-7,15 diene("Dechlorane Plus"TM) [covering any of its individual anti- and syn- isomers or any combination thereof]		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 greases.	0.1%, REACH Annex XIV, REACH Annex XVII				0.1%
641	1321-65-9	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		0.005%
642	1335-88-2	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	(EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm Convention		0.005%
643	1321-64-8	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	(EU) No. 1257/2013		Hong Kong Convention; 0.005%		0.005%
644	2234-13-1	Polychlorinated Naphthalenes, Chloronaphthalene	Additive	(EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015: 0.005% Stockholm		0.005%
645	14567-73-8	Tremolite	In insulating material in buildings and in products. Severe precautions should be taken in refurbishing asbestos containing buildings	REACH Annex XVII; (EU) No. 1257/2013		Convention Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
646	10871-26-2	Short chain chlorinated paraff	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds. The	2030/2015, 1% in		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			Hong Kong Convention MEPC.269(68), 2015: 0.1%	Danish Regulation 1792/2015	0.1%
648	556-67-2	ne	In silicone rubbers and polymers. Annex XVII: Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020.	REACH Candidate List: 0.1% REACH Annex XVII				0.1%
649	541-02-6	Decamethyl cyclopentasiloxan	In silicone rubbers and polymers. Annex XVII: For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.	REACH Candidate List: 0.1% REACH Annex XVII				0.1%
650	552-30-7	Benzene-1,2,4- tricarboxylic acid 1,2 anhydride (trimellitic	Intermediate in chemical synthesis e.g. of polymers	REACH Candidate List 0.1%				0.1%
651	84-61-7	Dicyclohexyl phthalate (DCHP)	Plasticiser in PVC, polyvinyl acetate, plastisol, chlorinated rubber and other plastic polymers, with typical addition rates up to 10 % by weight of the plastic.	REACH Candidate List 0.1%				0.1%
652	12008-41-2	Disodium octaborate	Borates are used in wooden veneer sheets and pressed wooden panels, as a constituent within the starch adhesive, as a flame retardant and also as stabilizer in aminoplastic resins. Borates are used as a biocide in professional and industrial wood preservation.	REACH Candidate List 0.1%				0.1%
653	540-97-6	ox ane (D6)	In silicone rubbers and polymers.	REACH Candidate List				0.1%
654	107-15-3	Ethylenediamine (EDA)  Terphenyl, hydrogenated	Intermediate in chemical synthesis e.g. of polymers Plasticiser in adhesives, sealants and	REACH Candidate List 0.1% REACH Candidate List				0.1%
655	61788-32-7	, , , , , , , , , , , , , , , , , , ,	coatings	0.1%				0.1%



							Effective Date: 3-Se	P ZOZZ
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
656	67-56-1	Methanol	Solvent. Annex XVII: Shall not be placed on the market to the general public after 9 May 2018 in windscreen washing or defrosting fluids, in a concentration equal to or greater than 0.6% by weight					
657	6807-17-6	Methylpentane,- 4 (2,2- bis(4'-	Unlikely. 2,2-bis(4'-hydroxyphenyl)-4- methylpentane is also known as BisP- MIBK and may be used as an alternative to Bisphenol A (BPA). As such, BisP- MIBK may be found in thermal paper applications up to 3% by weight of the paper. BisP-MIBK may also be used as an ingredient in the manufacture of specialist polycarbonate plastic and specialist epoxy resins, however the residual level of BisP-MIBK in the manufacture of these specialist materials	REACH Candidate List 0.1%				0.1%
658	207-08-9	Benzo[k]fluoranthene	Unlikely. Benzo[k]fluoranthene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Benzo[k]fluoranthene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in rubber and	REACH Candidate List 0.1%				0.1%
659	206-44-0	Fluoranthene	Unlikely. Fluoranthene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Fluoranthene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in rubber and plastics.	REACH Candidate List 0.1%				0.1%
660	85-01-8	Phenanthrene	Unlikely. Phenanthrene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Phenanthrene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in rubber and plastics.	REACH Candidate List 0.1%				0.1%
661	129-00-0	Pyrene	Unlikely. Pyrene is a Polycyclic Aromatic Hydrocarbon (PAH) which may be present as impurities in extender oils which may be used as plasticizers in rubber and plastics and in potting materials. Pyrene may also be present as impurities in black colourants (e.g. Carbon Black) which may be used in	REACH Candidate List 0.1%				0.1%
662	15087-24-8	Heptan-2-one, 1,7,7- trimethyl-3- (phenylmethylene)bicyclo[ 2.2 .1]-	This substances is not normally found in concentrations > 0.1% w/w in articles and materials used in mechanical products or electrical products.  3-Benzylidene Camphor is an organic compound that absorbs ultraviolet (UV) light. In Europe, 3-Benzylidene Camphor is an approved UV filter, which means that this ingredient can be added to sunscreen products that are designed to protect the skin from the sun.					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	REACH Annex XVII				
666	2475-45-8	Tetraaminoanthraquinone,	synthesis Colorant, textile dispersive dye	REACH Annex XVII				
667	569-61-9	Benzenamine, 4,4'-(4- iminocyclohexa-2,5- dienylidenemethylene)dian ili ne hydrochloride		REACH Annex XVII				
668	3165-93-3	ortho-toluidinium-4-chloro chloride	Manufacturing of dyes for textiles	REACH Annex XVII				
669	553-00-4	Diaminoanisole, 2,4-,	Intermediate in synthesis of dyes Intermediate in synthesis of dyes	REACH Annex XVII REACH Annex XVII				
670	39156-41-7	sulphate Trimethylaniline, 2,4,5-,	Intermediate in synthesis of dyes	REACH Annex XVII				
671 672	21436-97-5 91-22-5	hydrochloride Quinoline	Manufacture of dyes	REACH Annex XVII				
673	110-49-6	2-Methoxyethyl acetate	Potential use as solvent. Not yet registered under REACH.	REACH Candidate List: 0.1%				0.1%
674	All	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4- nonylphenol, branched	Primarily used as an antioxidant to stabilise polymers	REACH Candidate List: 0.1%				0.1%
675	All	Tetrafluoro (2,3,3,3-)-2- (heptafluoropropoxy)propi on ic 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%



		ER SOLUTIONS					Effective Date: 3-Se	<u>p-2022</u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
676	98-54-4	4-tert-butylphenol	Used in coating products, polymers, adhesives, sealants and for the	REACH Candidate List: 0.1%				0.1%
677	All	Silanetriol, (3,3,4,4,5,5,6,6,7,7,8,8,8- tridecafluorooctyl) Any of its mono, di- or tri-O-(alkyl) derivatives (TDFAs)	synthesis of other substances. Additive combined with organic solvents, in spray products	REACH Annex XVII, 2ppb				2ppb
678	119313-12-1	2-benzyl-2-dimethylamino- 4'- morpholinobutyrophenone	Photoinitiator added to UV curable inks, toners, adhesives, resins, paints and other coatings.	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
679	71868-10-5	2-methyl-1-(4- methylthiophenyl)-2- morpholinopropan-1-one	Photoinitiator added to UV curable inks, toners, adhesives, resins, paints and other coatings.	REACH Candidate List: 0.1%				0.1%
680	71850-09-4	Diisohexyl phthalate	Plasticiser used in flexible polymers and rubbers, inks,	REACH Candidate List: 0.1%				0.1%
681	All	Perfluorobutane sulfonic acid (PFBS) and its salts	Water soluble surfactants and water resistant coatings in textiles, leather and carpets. May be used in coatings, paints	REACH Candidate List: 0.1%, REACH Annex XIV				0.1%
682	1072-63-5	1-vinylimidazole	In formulations and as a monomer in the production of polymers	REACH Candidate List: 0.1%				0.1%
683	693-98-1	2-methylimidazole	As a catalyst in the production of coating products	REACH Candidate List: 0.1%				0.1%
684	94-26-8	Butyl 4-hydroxybenzoate (Butylparaben)	Cosmetics, personal care products and pharmaceuticals	REACH Candidate List: 0.1%				0.1%
685	22673-19-4	Dibutylbis(pentane-2,4- dionato-O,O')tin	As a catalyst and as an additive in the production of plastics	REACH Candidate List: 0.1%				0.1%
686	143-24-8	Bis(2-(2-methoxyethoxy) ethyl) ether	Solvent, also known as tetraglyme, may be used as a solvent in battery electrolytes for sealed lithium ion batteries.	REACH Candidate List: 0.1%				0.1%
687	All	Diocyttin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy	Additive to PVC to make it more stable to heating and to protect against degradation from sunlight. Dioctytin dilaurate can also be used as a catalyst for the production of plastics including polyurethanes and certain silicones, and for room temperature vulcanisation (RTV) silicone rubber systems.	REACH Candidate List: 0.1%				0.1%
688	3648-18-8	Dioctyltin dilaurate	Additive to PVC to make it more stable to heating and to protect against degradation from sunlight. Dioctyltin dilaurate can also be used as a catalyst for the production of plastics including polyurethanes and certain silicones, and for room temperature vulcanisation (RTM) silicone rubber systems	REACH Candidate List: 0.1%				0.1%
689	91648-39-4	Stannane, dioctyl-, bis(coco acyloxy) derivs	Additive to PVC to make it more stable to heating and to protect against degradation from sunlight. Dioctyltin dilaurate can also be used as a catalyst for the production of plastics including polyurethanes and certain silicones, and for room temperature vulcanisation	REACH Candidate List: 0.1%				0.1%
690	68937-41-7		PIP (3:1) is used as a plasticizer, a flame retardant, an antiwear additive, or an anti- compressibility additive in hydraulic fluid, lubricating oils, lubricants and greases, various industrial coatings, adhesives, sealants, and plastic articles				ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR Part 751, 86 FR 894 January 2021	
691	732-26-3	2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	2.4,6-TTBP has been used as a reactant, an intermediate, a product in organic chemical manufacturing, and as an antioxidant in plastic and resin manufacturing and as an ingredient in automobile fuel injector cleaners, as well as in lubricant additives and fuel additives (as an antioxidant) in pasoline				ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 866, January 2021.	
692	87-68-3	Hexachlorobutadiene (HCBD)	Used in rubber compounds, as a solvent, in lubricants, and as a hydraulic fluid			StockholmConve	ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86 FR 922, January	
693	133-49-3	Pentachlorothiophenol (PCTP)	Chemical peptizers are used to reduce viscosity during the production of rubber materials				ABB Distrution Solution TSCA section 6(h), 15 U.S.C 2605(h) 40 CFR 751, 86	
694	123-91-1	1,4-dioxane	Used mainly as a solvent in manufacturing processes and as a stabiliser to store trichloroethane.	REACH Candidate List: 0.1%				0.1%
695	202-480-9	2,3-dibromo-1-propanol (2,3-DBPA)	Carcinogenic (Article 57a)	REACH Candidate List: 0.1%				0.1%
696	1522-92-5	3-bromo-2,2- bis(bromomethyl)-1- propanol (TBNPA) 2,2-dimethylpropan-1-ol,	Polymer production manufacture of plastics products, including compounding and conversion and as an Polymer production manufacture of	REACH Candidate List: 0.1% REACH Candidate List:				0.1%
697	36483-57-5	tribromo derivative (TBNPA) 2,2-	plastics products, including compounding and conversion and as an Manufacture of polymer resins and in	0.1%  REACH Candidate List:				0.1%
698	3296-90-0	bis(bromomethyl)propane- 1,3-diol (BMP) 2-(4-tert-	one component foam (OCPF) application.	0.1%  REACH Candidate List:				0.1%
699	80-54-6	butylbenzyl)propionaldehy (2S)-3-(4-tert-butylphenyl)-		0.1% REACH Candidate List:				0.1%
700 701	75166-30-2 75166-31-3	2-methylpropanal (2R)-3-(4-tert-butylphenyl)-		0.1% REACH Candidate List:				0.1%
702	77-40-7	2-methylpropanal 4,4'-(1- methylpropylidene)bisphen		0.1% REACH Candidate List: 0.1%				0.1%
		IOI	make various plastics such as	<u> </u>	<u> </u>	l	<u> </u>	



111-069	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
111   20			dutaral	This is used as a disinfectant (such as to	REACH Candidate List:		Protocois		
March   Marc			gidiarai						
1972   1972	703	111-30-8		,,					0.1%
Authors									
			Alkanes, C14-16, chloro	PBT finds many uses as an engineering	REACH Candidate List:				
Description					0.1%				
Second	704	1372804-76-6							0.1%
No.   1.00   1									
March Contentions   Participation   Particip			P. O. and		DEAGLI O - Files List				
Page	705	050 200 5	terracinoreterracearie		0.170				0.10/
Montane Citis 17, crisp   Montane Citis 17	703	930-299-3							0.176
Manages, Cris + 17, chisson   PSF Bird primary uses as all experience   REACH Considerate List   Different content and primary in exchange   Different c									
Process   Proc			Alkanes, C14-17, chloro		REACH Candidate List:				
Section   Sect					0.1%				
Section   Sect	706	85535-85-9							0.1%
Teresdecame, chisto dente,   Ferrodicame, chisto dente,   Ferrodicame, protection, relative, supposed, processor, proce									
Part			Totradagana ablara dariwa	optic cable jackets.	DEACH Candidate List:				
1986/6-62			retradecane, chioro derivs.						
Both control candis candis action and   Tour for production   To	707	198840-65-2							0.1%
1335-75-9		1000 10 00 2							0.170
1840-06-7   1840									
1986   1985	708	1333-73-9	,	Toxic for reproduction					0.1%
2006-067   September   Septe			Orthoboric acid, sodium sa				1		
Part	709	13840-56-7			0.1%		1		0.1%
2454-04-2	703	100-0-00-1					1		J. 1 /0
10   2574-79-15   3   3   3   3   3   3   3   3   3			D. 2		DEAGUE		ļ		
25747-835   Social Cold (19803).   REACH Candidate List   0.1%	710	22454-04-2							0.1%
17   17   17   17   17   17   17   17	714	25747 02 5					1		0.407
17.2   1630-5-3-01	7.17	20141-03-0					ļ		U.1%
14312-04-04   Trocodum orthodorate   REACH Candidate List   0.1%	712	14890-53-0					1		0.1%
715   2105554   Percent   400ders/ythernol   REACH Candidate List	713	14312-40-4							0.1%
1715   101655-94-6   Phenon   Addressory	714	121158-58-5	Phenol, dodecyl-,		REACH Candidate List:				0.1%
777   74499-35-   Prince, Iteraproperty	715	27459-10-5	4-isododecylphenol		REACH Candidate List:				0.1%
1997	716	210555-94-5	Phenol, 4-dodecyl,		REACH Candidate List:				0.1%
1978   27147-75-  Phenol Integracy plane	717	74499-35-7							0.1%
Test									
75-014   Chlorosthylore,   C									
Very choride   Very						76/769/EEC		Woodword REACH	0.170
Section   Sect	720		Vinyl chloride						
25881-948	721	1067-53-4	tris(2-methoxyethoxy)vinyls	Rubbers, plastics, sealants	REACH Candidate List:				0.40/
225881-948   Georgeopy or isobuly or 2- ethylhexyl)   cyclespropy		1007 00 1							0.1%
19-47-1		1001 00 1	S-(tricyclo(5.2.1.0'2,6)deca						0.1%
19-47-1   19-47-1   6.6-d-it-ent-interply-3-(4-methyl-per-portion)   19-47-1   6.6-d-it-ent-interply-3-(4-methyl-per-portion)   19-47-1   (a)-17-2-cone covering any of the individual isomers and/or combinations   19-47-1   17-47-2-cone covering any of the individual isomers and/or combinations   19-47-1   17-47-2-cone covering any of the individual isomers and/or combinations   19-47-1   17-47-2-cone covering any of the individual isomers and/or combinations   19-47-1   17-47-2-cone covering any of the individual isomers and/or combinations   19-47-1   17-47-2-cone covering any of the individual isomers   19-47-2-cone   19-	700		S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O-						
19-47-   6,6-di-stert-buryle-2,2-   methylenel-p-cressol   (e)-1,7-t-frimethyl-3-(4- methylenel-p-c-col   (e)-1,7-t-frimethyl-3-(4- m	722		S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or						
Content   Cont	722		S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl)						
methylphenyl)methylene   Discyclo[2.2.1]heptan-2-one covering any of the individual somers and/or combinations   (3E-1.7.7-trimethyl-3.4-t   methylbenzylidene)biocyclo   (18.3.4-8.7-trimethyl-3.4-t   methylbenzylidene)biocyclo   (19.3.4-4.8-1-t.7-trimethyl-3.4-t   methylbenzylidene)biocyclo   (19.3.4-t   methylbenzylidene)biocyclo   (19.		255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosoborodithioate 6,6'-di-tert-butyl-2,2'-	Lubricants, greases	0.1%				0.1%
		255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate 6,6"-di-tert-butyl-2,2"- methylenedi-p-cresol	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel	0.1%  REACH Candidate List:				0.1%
Individual isomers and/or combinations		255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) chosphorodithioate 6,6'-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties	0.1%  REACH Candidate List:				0.1%
		255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate 6,6-di-tert-butyl-2,2- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties	0.1%  REACH Candidate List:				0.1%
		255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate 6,6'-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylen bicyclo[2.2.1]heptan-2- one covering any of the	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties	0.1%  REACH Candidate List:				0.1%
1782069-91-1   methythenzylidene)bicyclot   2.2.1 heptan-2-one   Cosmetics   1.1%   Cos		255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate 6,6'-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene ]bicyclo[2.2.1]methyl-2- one covering any of the individual isomers	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties	0.1%  REACH Candidate List:				0.1%
2.2   Intentan-2-one	723	255881-94-8	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosohorodithioate 6,6"-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)	0.1%  REACH Candidate List: 0.1%				0.1%
725	723	255881-94-8 119-47-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) o-(isopropyl or isobutyl or 2- ethylhexyl) o- hosphorodithioate 6,6-di-tert-butyl-2,2- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene ]bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	0.1%  REACH Candidate List: 0.1%  REACH Candidate List:				0.1%
10	723	255881-94-8 119-47-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosohorodithioate 6,6"-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylen plicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations these(14 MBC) (3E)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	0.1%  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%				0.1%
3.14.	723	255881-94-8 119-47-1 1782069-81-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) ohosphorodithioate 6,6-di-tert-butyl-2,2- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene  bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations (3E)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(1-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	0.1%  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%				0.1%
36861-47-9	723 724 725	255881-94-8 119-47-1 1782069-81-1 95342-41-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) or 2- ethylhexyl) or 2- methylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene   bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations   CALIBORIAN   CALIBORIAN   CALIBORIAN   (3E)-1,7,7-trimethyl-3-(4- methylbanzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	0.1%  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%				0.1% 0.1% 0.1%
Count   Coun	723 724 725 726	255881-94-8 119-47-1 1782069-81-1 95342-41-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) or 2- ethylhexyl) or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene ]bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations    Capped   MBC    Capped   Capped   Capped     Capped   Capped   Capped     Capped	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics	REACH Candidate List: 0.1%  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%  REACH Candidate List: 0.1%				0.1% 0.1% 0.1%
Tatlear-98-9   (4-methylbenzylidene)bicyclof   (1S,3E,4R)-1,77-trimethyl-   Cosmetics   REACH Candidate List:   0.1%   0.1%     0.1%     0.1%     0.1%     0.1%     0.1%     0.1%     0.1%     0.1%     0.1%   0.1%     0.1%   0.1%     0.1%   0.1%     0.1%	723 724 725 726	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexyl) or 2- ethylexyl) or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[4- ethylbenyl)methylene  bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations    (3E)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl- 3-(4- (15,3Z,4R)-1,7,7-trimethyl-3-[(4-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article	REACH Candidate List: 0.1%				0.1% 0.1% 0.1% 0.1% 0.1%
Methylbenzylidene bicyclof   (15,3E,4R)-1,7,7-trimethyl-3-(4-4 methylbenzylidene bicyclof   2,2.1lheptan-2-one   (18,3E,4S)-1,7,7-trimethyl-3-(4-4 methylbenzylidene)bicyclof	723 724 725 726 727	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylbenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)	REACH Candidate List: 0.1%				0.1% 0.1% 0.1% 0.1% 0.1%
T39   (1S,3E,4R)-1,7,7-trimethyl-   Cosmetics   REACH Candidate List: 0.1%   0.1%	723 724 725 726 727	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexyl) or 2- ethylexyl) or 2- ethylexyl) or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylbenzylidene)bicyclo[ 2.2.1lheptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- (1S,32,4R)-1,7,7-trimethyl-3-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)methyl-a-[(4- methylphenyl)-3-[(4- me	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)	REACH Candidate List: 0.1%				0.1% 0.1% 0.1% 0.1% 0.1%
methylbenzylidene)bicyclo[ 2,2,1 heotan-2-one  (R,3z,4s)-1,7,7-trimethyl- 3-(4- methylbenzylidene)bicyclo[ 2,2,1 heotan-2-one  (REACH Candidate List: 0.1%  852541-21-0  852541-21-0  Polychlorinated terphenyls (PCTs)  Polychlorinated terphenyls (PCTs)  Shall not be placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight).  732 75-01-4 Chloroethene  733 126-72-7 Tris (2,3 dibromoproyl) phosphate  734 545-55-1 Tris(aziridinyl)phosphinoxi restricted under Annex XVII of REACH.  735 96-32-2 Methyl bromoacetate  8EACH Annex XVII  8EACH Annex XVII  8EACH Annex XVII  96-32-2 Ethyl bromoacetate  96-32-2 Used at industrial sites and in  8EACH Annex XVII  8EACH Annex XVII  90-38-2 Ethyl bromoacetate  90-38-2 Ethyl bromoacetate  90-38-2 Used at industrial sites and in  90-38-2 REACH Annex XVII  90-38-2 Ethyl bromoacetate  90-38-2 Ethyl bromoacetate  90-38-2 Used at industrial sites and in  90-38-2 REACH Annex XVII  90-38-2 Ethyl bromoacetate  90-38-2 Used at industrial sites and in  90-38-2 REACH Annex XVII  90-38-2 REACH Annex XVII  90-38-2 Ethyl bromoacetate  90-38-2 Used at industrial sites and in  90-38-2 REACH Annex XVII  90-38-2 REACH Annex XVII  90-38-2 Ethyl bromoacetate  90-38-2 Ethyl bromoacetate  90-38-2 Ethyl bromoacetate	723 724 725 726 727	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) or 2- ethylhexyl) or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylbenyl)methylen [3E]-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,32,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.4.1 (15,32,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	REACH Candidate List: 0.1%				0.1% 0.1% 0.1% 0.1% 0.1%
2.2.1 Iheptan-2-one   (1R,3Z,4S)-1,7,7-timethyl-   Cosmetics   REACH Candidate List:   0.1%   0.1%	723 724 725 726 727	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations  1	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	REACH Candidate List: 0.1%				0.1% 0.1% 0.1% 0.1% 0.1%
852541-21-0 852541	723 724 725 726 727	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) ohosobroodithioate 6,6-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations (3E)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene]bicyclo[ 2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (1S,3E,4R)-1,7,7-trimethyl-3-(4-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
methylbenzylidene)bicyclo[ 2.2.1heptan-2-one  Polychlorinated terphenyls (PCTs)  Shall not be placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight).  Possible for the propellant in aerosols  Tifs (2,3 dibromopropyl) phosphate  Tifs (2,3 dibromopropyl) phosphate  Tifs (2,3 dibromopropyl) phosphate  Tifs (2,3 dibromopropyl) restricted under Annex XVII of REACH.  Tifs (2,3 dibromopropyl) phosphate  Tifs (aziridinyl)phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphate  Tifs (aziridinyl)phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphate  Tifs (aziridinyl)phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Tifs (2,3 dibromopropyl) phosphinoxi restricted under Annex XVII of REACH.  REACH Annex XVII  Shall not apply to stink bombs containing not more than 1,5 ml of liquid	723 724 725 726 727 728	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations  1.	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
2.2.1   heptan-2-one   Polychlorinated terphenyls   Shall not be placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mo/ks (0.005 % by weight).   Propellant in aerosols   REACH Annex XVII	723 724 725 726 727 728	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) ohosobroodithioate 6,6-di-tert-butyl-2,2'- methylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations (3E)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- (±)-1,7,7-trimethyl-3-(4- methylphenyl)methylene]bicyclo[ 2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.1]heptan-2-one (1R,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
Candidate List 0,005 %   Candidate List 0,00	723 724 725 726 727 728	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) or 2- ethylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylpenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations  **Lace **LA Mapc** (18,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[(1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[(1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4-	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
- in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mol/s 0,005% by weight).  732 75-01-4 Chloroethene propellant in aerosols REACH Annex XVII  733 126-72-7 Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH.  734 545-55-1 Tris(aziridinyl)phosphinoxi restricted under Annex XVII of REACH.  735 96-32-2 Methyl bromoacetate restricted under Annex XVII of REACH.  736 105-36-2 Ethyl bromoacetate used at industrial sites and in REACH Annex XVII  737 0.1%	723  724  725  726  727  728  730	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- entylenedi-p-cresol (±)-1,7,7-trimethyl-3-(4- methylbenyl)methylenelpicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
equipment, in concentrations greater than 50 mg/kg (0.005 % by weight).  732 75-01-4 Chloroethene propellant in aerosols REACH Annex XVII  733 126-72-7 Tris (2,3 dibromopropyl) phosphate phosphate  734 545-55-1 Tris(aziridinyl)phosphinoxi restricted under Annex XVII of REACH. REACH Annex XVII  735 96-32-2 Methyl bromoacetate restricted under Annex XVII of REACH. REACH Annex XVII  736 105-36-2 Ethyl bromoacetate used at industrial sites and in REACH Annex XVII  8 REACH Annex XVII  9 REACH Annex XVII  10 S-36-2 Ethyl bromoacetate used at industrial sites and in REACH Annex XVII	723  724  725  726  727  728  730	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ene covering any of the individual isomers and/or combinations	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
732     75-01-4     Chloroethene     propellant in aerosols     REACH Annex XVII       733     126-72-7     Tris (2,3 dibromopropyl) phosphate     restricted under Annex XVII of REACH.     REACH Annex XVII       734     545-55-1     Tris(aziridinyl)phosphinoxi     restricted under Annex XVII of REACH.     REACH Annex XVII       735     96-32-2     Methyl bromoacetate     restricted under Annex XVII of REACH.     REACH Annex XVII       736     105-36-2     Ethyl bromoacetate     used at industrial sites and in     REACH Annex XVII	723  724  725  726  727  728  730	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ene covering any of the individual isomers and/or combinations	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Shall not be placed on the market, or used:- as substances,	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
Tris (2,3 dibromopropyl) phosphate restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) phosphate  Tris (2,3 dibromopropyl) phosphate  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) phosphate  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) phosphate  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVIII  Tris (2,3 dibromopropyl) restricted under Annex XVII of REACH. REACH Annex XVIII  Tris (2,3 dibromopropyl) re	723  724  725  726  727  728  730	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ene covering any of the individual isomers and/or combinations	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
734 545-55-1 Tris(aziridinyl)phosphinoxi restricted under Annex XVII of REACH. REACH Annex XVII	723  724  725  726  727  728  729  730	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylhexyl) or 2- ethylhexyl or isobutyl-2,2- methylenedi-p-cresol (a)-1,7,7-trimethyl-3-(4- methylbenyl)methylenel or individual isomers and/or combinations  18-2-(4- MBC) (18-3-(4- MBC) (18-3-(4- MBC) (18-3-(4- T-)-7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2,2.11heptan-2-one (18,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (15,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2,2.11heptan-2-one (18,3S,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2,2.11heptan-2-one (18,3S,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2,2.11heptan-2-one Polychlorinated terphenyls (PCTs)	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Cosmetics  in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight).	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
735 96-32-2 Methyl bromoacetate restricted under Annex XVII of REACH. REACH Annex XVII shall not apply to stink bombs containing not more than 1.5 ml of liquid	723  724  725  726  727  728  729  730  731	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ethylexyl) O-(isopropyl or isobutyl or 2- ethylenedi-p-cresol (a)-1,7,7-trimethyl-3-[(4- methyleneyl)methyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1lheptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1lheotan-2-one (1R,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1lheotan-2-one (1R,3S,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1lheotan-2-one Polychlorinated terphenyls (PCTs)	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Cosmetics  Cosmetics  Shall not be placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/ks (0.005 % by weight), propellant in aerosols	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
96-32-2 bombs containing not more than 1.5 ml of liquid  736 105-36-2 Ethyl bromoacetate used at industrial sites and in REACH Annex XVII 0.1%	723  724  725  726  727  728  729  730  731	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylpenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations  **Local AMPC! (3E)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ (1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one Chloroethene  Tris (2,3 dibromopropyl) phosphate	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosme	REACH Candidate List: 0.1%				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
736 105-36-2 Ethyl bromoacetate used at industrial sites and in REACH Annex XVII more than 1.5 ml of liquid	724 725 726 727 728 729 730 731 732 733 734	255881-94-8 119-47-1 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexylexylexylexylexylexylexylexylexylex	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Fin in the placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight), propellant in aerosols  restricted under Annex XVII of REACH.	REACH Candidate List: 0.1%  REACH Annex XVII  REACH Annex XVII  REACH Annex XVII  REACH Annex XVII				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
736 105-36-2 Ethyl bromoacetate used at industrial sites and in REACH Annex XVII	724 725 726 727 728 729 730 731 732 733 734	255881-94-8  119-47-1  1782069-81-1  95342-41-9  852541-25-4  36861-47-9  741687-98-9  852541-30-1  852541-21-0  75-01-4  126-72-7  545-55-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexylexylexylexylexylexylexylexylexylex	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Fin in the placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight), propellant in aerosols  restricted under Annex XVII of REACH.	REACH Candidate List: 0.1%  REACH Annex XVII  REACH Annex XVII  REACH Annex XVII  REACH Annex XVII				0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
manufacturing.	724 725 726 727 728 729 730 731 732 733 734	255881-94-8  119-47-1  1782069-81-1  95342-41-9  852541-25-4  36861-47-9  741687-98-9  852541-30-1  852541-21-0  75-01-4  126-72-7  545-55-1	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylexylexylexylexylexylexylexylexylexylex	Lubricants, greases  Rubbers, lubricants, adhesives, inks, fuel  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Fin in the placed on the market, or used:- as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0.005 % by weight), propellant in aerosols  restricted under Annex XVII of REACH.	REACH Candidate List: 0.1%  REACH Annex XVII  REACH Annex XVII  REACH Annex XVII  REACH Annex XVII			bombs containing not	0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%
	723  724  725  726  727  728  729  730  731  732  733  734  735	255881-94-8  119-47-1  1782069-81-1  95342-41-9  852541-25-4  36861-47-9  741687-98-9  852541-30-1  852541-21-0  75-01-4  126-72-7  545-55-1  96-32-2	S-(tricyclo(5.2.1.0'2,6)deca 3-en-8(or 9)-yl O- (isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2- ethylenedi-p-cresol (±)-1,7,7-trimethyl-3-[(4- methylphenyl)methylene] bicyclo[2.2.1]heptan-2- one covering any of the individual isomers and/or combinations  **Local AMPC!* (1S,32,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,32,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,32,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one (1R,32,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[ 2.2.1]heptan-2-one Tris (2,3 dibromopropyl) phosphate Tris (2,3 dibromopropyl) phosphate Tris (2,3 dibromopropyl)	Rubbers, lubricants, adhesives, inks, fuel Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Cosmetics  Endocrine disrupting properties (Article 57(f) - human health)  Cosmetics  Finding waste oils, or in equipment, in concentrations greater than 50 ma/ko (0.005 % by weight). propellant in aerosols restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Candidate List: 0.1%  REACH Annex XVII, Candidate List 0,005 %			bombs containing not	0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%  0.1%



No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
737	35223-80-4	Propyl bromoacetate	Volatile esters of bromoacetic acids	REACH Annex XVII				0.1%
738	18991-98-5	Butyl bromoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
739	105-36-2	Ethyl bromoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
740	96-32-2	Methyl bromoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
741	612-52-2	2-naphthylammonium chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
742	36341-27-2	Benzidine acetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
743	531-85-1	Benzidine dihydrochloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
744	531-86-2	[[1,1'-biphenyl]-4,4'-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
745	040.00.0	diyl]diammonium sulphate 4,4'-bi-o-toluidine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
	612-82-8	dihydrochloride						0.1%
746	612-83-9	3,3'-dichlorobenzidine dihydrochloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
747		Tetrasodium 3,3'-[(3,3'-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	72-57-1	dimethyl[1,1'-biphenyl]-4,4'- diyl)bis(azo)]bis[5-amino-4- hydroxynaphthalene-2,7- disulphonatel						0.1%
748		Disodium 5-[[4'-[(1-amino-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	2429-79-0	4-sulphonato-2- naphthyl)azo][1,1'-						0.1%
		biphenvll-4-						
749	2429-81-4	Tetrasodium 5-[[4'-[[2,6-diamino-3-[[8-hydroxy-3,6-disulphonato-7-[(4-sulphonato-1-naphthyl)azo]-2-naphthyl)azo]-5-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
750		Disodium 5-[[4'-[(7-amino-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	2429-82-5	1-hydroxy-3-sulphonato-2- naphthyl)azo][1,1'- biphenvll-4-						0.1%
751	2429-83-6	Disodium 4-amino-3-[[4'- [(2,4-diamino-5- methylphenyl)azo][1,1'- biphenyl]-4-yl]azo]-5- hydroxy-6-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
752	2429-84-7	(ohenvlazo)naohthalene- Disodium 5-[[4'-[(2-amino- 8-hydroxy-6-sulphonato-1- naphthyl)azo][1,1'- biohenvll-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
753	2602-46-2	Tetrasodium 3,3'-[[1,1'- biphenyl]-4,4'- diylbis(azo)]bis[5-amino-4- hydroxynaphthalene-2,7-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
754	2893-80-3	disulphonatel Disodium 5-[[4'-[[2,4- dihydroxy-3-[(4- sulphonatophenyl)azo]phe nyl]azo][1,1'-biphenyl]-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
755		vllazolsalicvlate Disodium 5-[[4'-[[1-hydroxy-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	3476-90-2	7-(phenylamino)-3- sulphonato-2- naphthyllazol[1,1'-						0.1%
756	3530-19-6	Disodium 8-[[4'-[(4- ethoxyphenyl)azo][1,1'- biphenyl]-4-yl]azo]-7- hydroxynaphthalene-1,3- disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
757	3567-65-5	Disodium 7-hydroxy-8-[[4'- [[4-[[(4-[((p- tolyl)sulphonyl]oxy]phenyl] azo][1,1'-biphenyl]-4- yl]azo]naphthalene-1,3- disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
758	3626-28-6	Disodium 4-amino-5- hydroxy-3-[[4'-[(4- hydroxyphenyi)]azo][1,1'- biphenyi]-4-yl]azo]-6- (phenylazo)naphthalene- 2.7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
759	3811-71-0	Disodium 5-[[4'-[[2,4-diamino-5-[(4-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yllazolsalicylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
760	4335-09-5	Disodium 4-amino-5- hydroxy-6-[[4'-[(4- hydroxyphenyi)]azo][1,1'- biphenyi]-4-yl]azo]-3-[(4- nitrophenyi)]azo]naphthale ne-2.7-disulphonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
761	5422-17-3	Trisodium 5-[[4-[[8-amino- 1-hydroxy-7-[(p- nitrophenyl)azo]-3,6- disulphonato-2- naphthyllazol-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
762	6360-54-9	Disodium 5-[[4'-[[2,6-diamino-3-methyl-5-[(4-sulphonatophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]-3-methylsalicylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



	TRANSFORM	ER SOLUTIONS					Effective Date: 3-Sep-2022		
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)	
763		Hexasodium 5,5'-[(3,7-disulphonato-1,5-naphthylene)bis[azo(6-hydroxy-3,1-	restricted under Annex XVII of REACH.	REACH Annex XVII		110.000.0			
	8014-91-3	phenylene)azo[6(or 7)- sulphonato-4,1- naphthylene]azo[1,1'- biphenyl]-4,4'- diylazo]]bis(salicylate)						0.1%	
764	13164-93-7	Disodium 5-[[4'-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulphonatophenyl)-1H-pyrazol-4-yl]azo][1,1'-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
765	27336-24-9	biphenvII-4- Disodium 4,4'- diaminobiphenyI-2,2'- disulfonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
766	29806-76-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
767	38668-12-1	[1,1'-Biphenyl]-4,4'- diamine, perchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
768	41195-21-5	Benzidine diperchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
769	41766-73-8	(1,1'-Biphenyl)-4,4'- diamine, dihydrofluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
770	52754-64-0	(1,1'-Biphenyl)-4,4'- diamine, monoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
771	66836-18-8	(1,1'-Biphenyl)-ar,ar',4,4'- tetramine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
772 773	66907-22-0		restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%	
	67632-50-2	4,4'-diamine-N)- (1,1'-Biphenyl)-4,4'-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
774	75534-79-1	diamine, dihydriodide						0.1%	
775	75752-15-7	(1,1'-Biphenyl)-4,4'- diamine,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
776	78577-03-4	benzidine, mono(2- hydroxy-3,5-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
777	78577-08-9	benzidine, mono(3,5- dinitrobenzoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
778	92415-34-4	benzidine, bis(2-hydroxy- 3,5-dinitrobenzoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
779	92415-52-6	benzidine, bis(3,5- dinitrobenzoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
780	70146-07-5	[2,2'-dichloro[1,1'-biphenyl]- 4,4'-diyl]diammonium sulphate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
781	74220-10-3	Dipotassium O,O'-(4,4'- diaminobiphenyl-3,3'- ylene)diqlycollate 1,3,6-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
	6426-67-1	Naphthalenetrisulfonic acid, 8-hydroxy-7-((4'-((2- hydroxy-1-						0.1%	
783	8004-59-9	2,[?]- Naphthalenedisulfonic acid, 4-[][[]4-[](4-amino-1- naphthalenyl)azo]-1- naphthalenyllazol-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
784 785	14414-68-7	Benzidine, hydrochloride Disodium [5-[[4'-[[2,6-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%	
	16071-86-6	dihydroxy-3-[(2-hydroxy-5- sulphophenyl)azo]phenyl]a zo][1,1'-biphenyl]-4- yl]azo]salicylato(4- )lcuprate(2-)						0.1%	
786 787	21136-70-9 69029-67-0	Benzidine sulphate Flue dust, lead-refining	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%	
788	70333-07-2	Disilver arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1%	
789	84057-85-2	Thallium triarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
790 791	84282-36-0	2,6-dimethyl-4-(1- naphthyl)pyrylium hexafluoroarsenate 2,6-dimethyl-4-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%	
792	84304-15-4	phenylpyrylium hexafluoroarsenate 4-cyclohexyl-2,6-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
793	84304-16-5	dimethylpyrylium hexafluoroarsenate Tris[(8α)-6'-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
	94138-87-1	methoxycinchonan-9(R)- ol] arsenite Gallium zinc triarsenide	restricted under Annex XVII of REACH.					0.1%	
794 795	98106-56-0 99035-51-5	Vanadium(4+) diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%	
796	100258-44-4	(1:1) Strychnidin-10-one,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
797	100258-44-4	arsenite (1:1) Slimes and Sludges, copper electrolytic refining,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
798	102110-21-4	decopperized, arsenic-rich Arsenic acid (H3AsO4), magnesium salt, manganese-doped	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
799	102110-62-3	Slimes and Sludges, copper-lead ore roasting	The product obtained by the purification of copper-lead ore concentrate roasting offgas. Composed primarily of arsenic oxide (As2O3).	REACH Annex XVII				0.1%	
800	12005-86-6	Sodium hexafluoroarsenate(V)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
801	10048-95-0	Sodium arsenate dibasic heptahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
802	6131-99-3	Sodium cacodylate trihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%	
		,		•	•		•	•	



							Effective Date: 3-Se	:p-2022
No	CAS Number	Cubatanaa Idantifiaatian	Occurence, Common use	EII Begulation	EII Directives	Convention	Other Comments	limit (0/)
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Protocols	Other Comments	limit (%)
803	10102-49-5	Iron arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
804	10102-50-8	Iron bis(arsenate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
805	10103-50-1	Arsenic acid, magnesium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
906		salt Arsenic acid, copper salt	restricted under Annex XVII of REACH.	REACH Annex XVII				
806	10103-61-4	Arsenic acid, copper sait	restricted under Annex XVII of REACH.					0.1%
807	10103-62-5	*	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
808	10476-82-1	Strychnine arsenate		REACH Annex XVII				0.1%
809	12005-75-3	Tricopper arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
810	12005-81-1	Dysprosium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
811	12005-88-8	Diiron arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
812	12005-89-9	Gadolinium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
813	12005-92-4	Holmium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
814	12005-94-6	Lutetium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
815	12005-95-7	Manganese arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
816	12006-08-5	Terbium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
817	12006-09-6	Thallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
818	12006-10-9	Thulium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
819	12006-12-1	Ytterbium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
820	12006-21-2	Iron diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
821	12006-40-5	Trizinc diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
822	12044-16-5	Iron arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
823	12044-20-1	Digallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
004		phosphide Tripotassium arsenide	restricted under Annex XVII of REACH.	DEACH Assay VVIII				
824	12044-21-2		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
825	12044-22-3	Trilithium arsenide		REACH Annex XVII				0.1%
826	12044-25-6	Trisodium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
827	12044-28-9	Praseodymium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
828	12044-49-4	Trimagnesium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
829	12044-54-1	Diarsenic tritelluride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
830	12044-55-2	Zinc diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
831	12068-61-0	Nickel diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
832	12254-85-2	Dichromium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
833	12254-88-5	Erbium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
834	12255-04-8	Lanthanum arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
835	12255-08-2	Niobium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
836	12255-09-3	Neodymium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
837	12255-36-6	Triantimony arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
838	12255-39-9	Samarium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
839	12255-48-0	Yttrium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
840	12255-50-4	Tribarium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
841	12255-53-7	Tricalcium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
842	12271-72-6	Germanium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
843	12417-99-1	Trisilver arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
844	12612-21-4	Arsenic sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
845	13462-93-6	Ammonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		dihydrogenarsenate						
846	13464-35-2	Potassium arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
847	13464-37-4	Trisodium arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
848	13464-38-5	Trisodium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
849	13464-44-3	Zinc arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
850	13464-68-1	Tristrontium diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
851	13477-04-8	Tribarium diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
852	13477-70-8	Trinickel bis(arsenate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
853	13478-14-3	Trilithium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
854	13510-44-6	Trisilver arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
855	22831-42-1	Aluminium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
856	24719-13-9	Triammonium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
857	24719-19-5	Tricobalt diarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
858	27016-73-5	Cobalt arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
859	27016-75-7	Nickel arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
860	27152-57-4	Tricalcium diarsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
861	27569-09-1	3-methyl-4-(pyrrolidin-1- yl)benzenediazonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	2,303-03-1	hexafluoroarsenate						J. 1 /0
862		Silicic acid (H4SiO4), zinc	restricted under Annex XVII of REACH.	REACH Annex XVII				
	68611-46-1	salt (1:2), arsenic and						0.1%
863		manganese-doped Bis(pentane-2,4-dionato-	restricted under Annex XVII of REACH.	REACH Annex XVII				
000	68892-01-3	O,O')boron(1+)	TOURISM WHITE AND	IVENOLI ALIIIEX AVII				0.1%
		hexafluoroarsenate(1-)						
864	60054 00 0	Antimony oxide (Sb2O3),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
	68951-38-2	mixed with arsenic oxide (As2O3)						0.1%
865	69011-59-2	Lead alloy, base, dross		REACH Annex XVII				0.1%
866	69029-51-2	Lead, antimonial, dross		REACH Annex XVII				0.1%
867	15120-17-9	Sodium metaarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
868	16509-22-1	Copper diarsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
869		Potassium	restricted under Annex XVII of REACH.	REACH Annex XVII				
	17029-22-0	hexafluoroarsenate						0.1%
870	17068-85-8	Hydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
074		hexafluoroarsenate N-(p-arsenosophenyl)-	this substance is fatal if inhaled, is toxic if	PEACH Appay VVIII				
871	21840-08-4	1,3,5-triazine-2,4,6-	swallowed and is very toxic to aquatic	NEACH AIRIEX AVII				0.1%
872	28980-47-4	Antimony arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
873	29871-13-4	Arsenic acid, copper(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
874	29935-35-1	Lithium		REACH Annex XVII				0.1%
875	32680-29-8	Ammonium copper	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	i	•	•	•			-	

**KOHSEL**TRANSFORMER SOLUTIONS

# **Kohsel's Negative list**

							Effective Date. 3-36	<u> </u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
				•		Protocols		1 1
876	32775-46-5	Europium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
877	39297-24-0	Tristrontium diarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
878	57900-42-2	Triphenylsulphonium hexafluoroarsenate(1-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
879	60909-47-9	Zirconium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
880	61219-26-9	Trimanganese arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
881		Disodium 3,6-bis[(o-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	62337-00-2	arsonophenyl)azo]-4,5-						0.1%
		dihydroxynaphthalene-2,7-						
882	20212.15.1	disulphonate Diphenyliodonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.407
002	62613-15-4	hexafluoroarsenate		TE TOTT THIN OX TOTAL				0.1%
883		4-(ethylamino)-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	63217-32-3	methylbenzenediazonium hexafluoroarsenate						0.1%
884		4-(diethylamino)-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	63217-33-4	ethoxybenzenediazonium						0.1%
		hexafluoroarsenate						
885	64475-90-7	Antimony arsenic oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
886	64973-06-4	Arsenic bromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
887	65453-05-6	Cobalt arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
888	67251-38-1	Tris(pentane-2,4-dionato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	6/251-36-1	O,O')silicon hexafluoroarsenate						0.1%
889	67712-00-9	Slimes and Sludges,	A complex combination resulting from	REACH Annex XVII				0.40/
	6//12-00-9	copper refining	copper processing-other than					0.1%
890	306-12-7	Oxophenarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
891	437-15-0	Tritylium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
892	457-60-3	Neoarsphenamine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
893	538-03-4	Oxophenarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
894	F.0 == =	Tris[(8α,9R)-6'-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	549-59-7	methoxycinchonan-9-ol]						0.1%
895	618-82-6	bis(arsenate) Sulfarsphenamine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
896	637-03-6	Phenylarsine oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
896	75-60-5	Dimethylarsinic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Roxarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				
898	121-19-7	Sodium dimethylarsinate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
899	124-65-2		restricted under Annex XVII of REACH.					0.1%
900	139-93-5	6,6'-dihydroxy-3,3'- diarsene-1,2-	restricted under Armex AVII of REACH.	REACH Annex XVII				0.1%
901	1303-00-0	Gallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
902	1303-11-3	Indium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
903	1303-33-9	Arsenic sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
904		Diarsenic triselenide	Diarsenic triselenide is use in Arsenic	REACH Annex XVII				
	1303-36-2		compounds and selenium compounds					0.1%
	.000 00 2		with the exception of cadmium					0.170
905		Triethyl arsenite	sulphoselenide and those specified Arsenic compounds, this substance is	REACH Annex XVII				
000			toxic if swallowed, is toxic if inhaled, is	TALE TO THE TALE TALE TO THE TALE TALE TALE TALE TALE TALE TALE TAL				
	3141-12-6		very toxic to aquatic life, is very toxic to					0.1%
			aquatic life with long lasting effects and					
906		Disodium 4-[(o-	is a flammable liquid and vapour. restricted under Annex XVII of REACH.	REACH Annex XVII				
000	3688-92-4	arsonophenyl)azo]-3-		TALE TO THE TALE TALE TO THE TALE TALE TALE TALE TALE TALE TALE TAL				0.1%
	3000-32-4	hydroxynaphthalene-2,7-						0.170
907	4540.00.0	disulphonate Diphenyldiarsenic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
908	4519-32-8	Arsenic acid, sodium salt	Arsenic compounds, SODIUM	REACH Annex XVII				0.1%
	7631-89-2	Disodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
909	7778-43-0							0.1%
910	7784-08-9	Trisilver arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
911	7784-33-0	Arsenic tribloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
912	7784-34-1	Arsenic trichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
913	7784-35-2	Trifluoroarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
914	7784-36-3	Pentafluoroarsorane Marauni	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
915	7784-37-4	Mercury	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
916	7784-38-5	Manganese hydrogenarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
917	7704 / : 0	Potassium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.401
	7784-41-0	dihydrogenarsenate						0.1%
918	7784-44-3	Diammonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
010		hydrogenarsenate Arsenic triiodide	restricted under Appear VV/II of DEACLE	DEACH Asset VVIII				
919	7784-45-4		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
920	7784-46-5	Sodium dioxoarsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
921	7786-36-9	Pentahydroxyarsorane	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
922		Flue dust, arsenic-contg.	Formed when arsenic and metal oxide particles are driven off during the	REACH Annex XVII				
	8028-73-7		roasting and converting of copper					0.1%
			concentrates and matte in the production					
923	10031-13-7	Lead arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
924	14040 00 1	2,2'-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.401
	14849-23-1	[ethylenebis(oxy)]bis[1,3,2-dioxarsolane]						0.1%
925	14072 00 0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.407
	14973-92-3	hodium						0.1%
926	15122-58-4	Proustite (Ag3(AsS3))	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
927	21006-73-5	Tetraphenylarsonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
928		(hydrogen dichloride) Methylenebis(diphenylarsi	restricted under Annex XVII of REACH.	REACH Annex XVII				<u> </u>
	21892-63-7	ne)				<u></u> _		0.1%
929	52740-16-6	Calcium arsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
930		Trisodium 4-[(o-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	53669-45-7	arsonophenyl)azo]-3-						0.1%
	Ī	oxidonaphthalene-2,7-	I	1		Ì		1
		distribbonate						
931	55588-51-7	disulphonate Acetarsol sodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



932 (6 933 (6 934 (6 935 936 937 938 939 939	AS Number						Effective Date. 3-36	
932 (6 933 (6 934 (6 935 936 937 938 939 939		Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
933 (6 934 (6 935 (936 (937 (938 (939 (939 (939 (939 (939 (939 (939			· ·	· ·	20 2 11 00 11 100	Protocols	Caron Commission	(70)
934 935 936 937 938 939	60154-16-7	3-formamido-4- hvdroxyphenvlarsonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
934 935 936 937 938 939	63468-73-5		restricted under Annex XVII of REACH.	REACH Annex XVII				0.10/
935 936 937 938 939	03400-73-3	arsoranato)magnesium						0.1%
935 936 937 938 939		Trisodium 3-[(o- arsonatophenyl)azo]-4,5-	restricted under Annex XVII of REACH.	REACH Annex XVII				
936 937 938 939	66019-20-3	dihydroxynaphthalene-2,7-						0.1%
936 937 938 939		disulphonate						
937 938 939	471-35-2	Tetramethyldiarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
938 939	494-79-1	Melarsoprol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
939	507-27-7	Tetraphenylarsonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	507-28-8	Tetraphenylarsonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	515-76-4	Difetarsone disodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
940		Trisodium 2-(-hydrogen arsonatophenylazo)-1,8-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	520-10-5	dihydroxynaphthalene-3,6-						0.1%
		disulphonate						
941	534-33-8	Acetarsoldiethylamine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
942	554-72-3	Tryparsamide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
943	578-94-9	10-chloro-5,10- dihydrophenarsazine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
944		Sodium hydrogen [4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.407
• • •	585-54-6	(acetamido)phenyl]arsonat						0.1%
945	590-34-1	Allylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
946	593-58-8	Methyloxoarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
947	593-88-4	Trimethylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
948	598-14-1	Dichloro(ethyl)arsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
949	603-32-7	Triphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
950	617-75-4	Triethylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
951	618-22-4	4-acetamidophenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
952		4-(4-	restricted under Annex XVII of REACH.	REACH Annex XVII				
**-	622-68-4	dimethylaminophenylazo)p						0.1%
050	070	henylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				6.45
953	676-75-5	lododimethylarsine						0.1%
954	696-28-6	Dichloro(phenyl)arsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
955	712-48-1	Chlorodiphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
956	829-83-4	Diphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
957		methylnicotinate, mono[(3-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	900-77-6	acetamido-4-						0.1%
050		hvdroxvphenvl)arsonatel	and the decision of the American William DEACH	DE A OLL A				
958	945-48-2	Methyldiphenylarsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1153-05-5	Triphenylarsine oxide Diphenoxarsin-10-yl oxide	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
960 961	58-36-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
962	97-44-9	Acetarsol Phenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
963	98-05-5	4-hydroxyphenylarsonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
964	98-14-6 98-50-0	Arsanilic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
965		Nitarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
966	98-72-6 107-34-6	Propylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1%
967	116-49-4	Glycobiarsol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
968	119-96-0	Arsthinol	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
969	121-59-5	Carbarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
970	124-58-3	Methylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
971	126-82-9	Disodium arsonoacetate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
972		Sodium hydrogen 4-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	127-85-5	aminophenylarsonate						0.1%
973	122 22 2		restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
	132-33-2	hydroxynaphthalene-2,7- disulphonic acid						0.1%
974		Sodium hydrogen [4-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	140-45-4	[(hydroxyacetyl)amino]phe						0.1%
975	144-21-8	nyl]arsonate Disodium methylarsonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
976	17774170	4-	restricted under Annex XVII of REACH.	REACH Annex XVII				J. 170
	144-87-6	(glycolloylamino)phenylars						0.1%
		onic acid		DE 4 011 4				
	1668-00-4	2,7-(bis(2- arsonophenylazo))-1,8-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
977	. 555 55-4	dihydroxynaphthalene-3,6-				<u> </u>		5.170
	1758-48-1	o-phenylenediarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Sodium p-[[4-[3-(2-arsono-	restricted under Annex XVII of REACH.	REACH Annex XVII		<u> </u>		
	1772-02-7	4-nitrophenyl)triazen-1- yl]phenyl]azo]benzenesulp						0.1%
978 979	1772-02-7	THE THE TWING TO DELIZE HE SUID		1				<u> </u>
978 979	1772-02-7	honate						
978 979	2045-00-3	honate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
978 979 980	2045-00-3	honate 2-aminophenylarsonic acid 3-amino-4-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
978 979 980 981	2045-00-3 2163-77-1	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
978 979 980 981 982	2045-00-3 2163-77-1 2163-80-6	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1% 0.1%
978 979 980 981 982 983	2045-00-3 2163-77-1 2163-80-6 10124-50-2	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1% 0.1% 0.1%
978 979 980 981 982 983	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate	restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII REACH Annex XVII REACH Annex XVII				0.1% 0.1% 0.1% 0.1%
978 979 980 981 982 983 984 985	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7 10476-87-6	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate Strychnine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1% 0.1% 0.1% 0.1%
978 979 980 981 982 983 984 985	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate Strychnine Tricadmium diarsenide	restricted under Annex XVII of REACH. This substance is used in formulation or re-packing and in manufacturing.	REACH Annex XVII REACH Annex XVII REACH Annex XVII REACH Annex XVII				0.1% 0.1% 0.1% 0.1%
978 979 980 981 982 983 984 985 986	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7 10476-87-6	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate Strychnine	restricted under Annex XVII of REACH. This substance is used in formulation or re-packing and in manufacturing. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1% 0.1% 0.1% 0.1%
978 979 980 981 982 983 984 985 986 987	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7 10476-87-6 12006-15-4	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate Strychnine Tricadmium diarsenide 10-chloro-10H- Tri-p-tolylarsine	restricted under Annex XVII of REACH. This substance is used in formulation or re-packing and in manufacturing. restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1% 0.1% 0.1% 0.1% 0.1%
978 979 980 981 982 983 984 985 986 987	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7 10476-87-6 12006-15-4 2865-70-5	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate Strychnine Tricadmium diarsenide  10-chloro-10H- Tri-p-tolylarsine Disodium 3-{(o-	restricted under Annex XVII of REACH. This substance is used in formulation or re-packing and in manufacturing. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%
978 979 980 981 982 983 984 985 986 987 988 989	2045-00-3 2163-77-1 2163-80-6 10124-50-2 10290-12-7 10476-87-6 12006-15-4 2865-70-5	honate 2-aminophenylarsonic acid 3-amino-4- hydroxyphenylarsonic acid Sodium methylarsonate Potassium arsonate Copper arsonate Strychnine Tricadmium diarsenide 10-chloro-10H- Tri-p-tolylarsine	restricted under Annex XVII of REACH. This substance is used in formulation or re-packing and in manufacturing. restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII  REACH Annex XVII				0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%



							Ellective Date. <u>5-5e</u>	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
			· ·	_		Protocols		. ( )
990	3599-28-8	Disodium [4-[(4,6-diamino- 1,3,5-triazin-2-	restricted under Annex XVII of REACH.	REACH Annex XVII			ļ	0.1%
	0000 20 0	yl)amino]phenyl]arsonate						0.170
991	3639-19-8	Difetarsone	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
992		2-[[7-[(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	3772-44-9	arsonophenyl)azo]-1,8-					ļ	0.1%
993	3969-54-8	dihydroxy-3,6-disulpho-2- p-tolylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
994	4431-24-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
995	4431-24-7	10-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.170
550	4808-24-6	[(dimethylthiocarbamoyl)thi		KENOTI ATTION AVII			ļ	0.1%
		0]-5,10-						
996	5410-29-7	2-nitrophenylarsonic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
997	5425-62-7	4-(2- chloroacetamido)phenylar	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	3423-02-1	sonic acid					ļ	0.170
998	5440-04-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
999	5785-43-3	Calcium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
4000	0700 400	bis(dimethylarsinate)		DEAGLIA				0.170
1000	5806-89-3	[4-[(4,6-diamino-1,3,5- triazin-2-	restricted under Annex XVII of REACH.	REACH Annex XVII			ļ	0.1%
		yl)amino]phenyl]arsonic						
1001	=000 100	Sodium hydrogen (3-	restricted under Annex XVII of REACH.	REACH Annex XVII			ļ	
	5892-48-8	acetamido-4- hydroxyphenyl)arsonate					ļ	0.1%
1002	5902-95-4	Calcium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1003	5968-84-3	Iron tris(dimethylarsinate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1004	6380-34-3	Diiodo(phenyl)arsine	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1005		Sodium p-	restricted under Annex XVII of REACH.	REACH Annex XVII				
	6634-88-4	arsonobenzenesulphonate						0.1%
1006	0000 0 : 0	4-(4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.401
	6966-64-9	aminophenylazo)phenylars onic acid						0.1%
1007		Sodium 4-	restricted under Annex XVII of REACH.	REACH Annex XVII				t
	7681-83-6	(glycolloylamino)phenylars						0.1%
4000	000	onate	rootrioted under Assess VIIII - ( DEAC)	DEACH A				<del> </del>
1008	37382-15-3	Aluminium gallium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1009	593-89-5	Arsine, dichloromethyl-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1010	12044-79-0	Arsenic(II) sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1011	10102-53-1	Arsenenic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1012	10103-60-3	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1013		monosodium salt Diarsenic acid, sodium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				
	13464-42-1							0.1%
1014	10326-24-6	Arsenenous acid, zinc salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1015	100822-74-0	Arsenous acid, lead(2+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1016	10100 10 1	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
	10102-48-4	lead(4+) salt (3:2)						0.1%
1017	102525-64-4	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII			ļ	0.1%
1018	106097-61-4	copper(2+) salt (4:1) Gallium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1019	1122-90-3	4-Aminophenylarsenoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1020		Magnesium arsenate,	restricted under Annex XVII of REACH.	REACH Annex XVII				
1020	117746-50-6	decahydrate		REAGITATION AVII				0.1%
1021	12005-69-5	Boron arsenide (BAs)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1022	12005-70-8	Boron arsenide (B6As)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1023	12005-96-8	Manganese arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1024		(Mn2As) Arsenic acid (H3AsO4),	hazardous to the environment; and	DEACH Appey VVIII				
1024	120119-64-4	lead(2+) salt (2:3),	carcinogenic, mutagenic, or toxic for	REACH Annex XVII			ļ	0.1%
	120110 01 1	tetrahydrate	reproduction					0.170
1025		Tin arsenide (SnAs)	hazardous to the environment; and	REACH Annex XVII				
	12044-32-5		carcinogenic, mutagenic, or toxic for					0.1%
1026		Cobalt arsenide (CoAs2)	reproduction hazardous to the environment; and	REACH Annex XVII				<del>                                     </del>
.020	12044-42-7	30,102	carcinogenic, mutagenic, or toxic for					0.1%
		District to the second	reproduction	BE10114				1
1027	12044-52-9	Platinum arsenide (PtAs2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1028	12256-04-1	Cobalt arsenide (CoAs3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1029	12279-90-2	Tetraarsenic tetrasulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1030	12344-68-2	Arsenic sulfide (As2S4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1031	12414-94-7	Arsenopyrite, cobaltoan	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1032	12523-20-5	Arsenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1033		antimony(3+) salt (1:1) Arsenic selenide	restricted under Annex XVII of REACH.	REACH Annex XVII				ļ
1033	12626-31-2	Arsorane, pentahydroxy-	TOSTICION UNION ATTION AVII UI REACH.	NEACH AIRIEX AVII				0.1%
		, copper(2+) salt (1:2)						<u>L</u>
1034	12777-38-7	Arsenic oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1035	127795-79-3	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		ammonium salt (2:1)		DE 1011 A 1777				
1036	12795-30-1	Nickel arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1037	1303-22-6	Rammelsbergite (NiAs2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1038	1303-39-5	Zinc arsenenate oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1038	1303-39-5	(Zn5(AsO3)4O3), tetrahydrate						0.1%
1039	13453-15-1	Diarsenic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1040	13464-31-8	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1040	10-104-31-0	copper(2+) salt (1:1)		BE10114				J. 1 70
1041	13464-36-3	Arsenic acid, tripotassium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	101-11	salt Arsenic acid, calcium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				<del> </del>
1042	13464-39-6	(1:2)						0.1%
1043	13466-06-3	Arsonic acid, disodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1044	13510-31-1	Boron arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1045	13510-72-0	Zinc arsenate, octahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
				•	•			



							Convention		
Septiment   Company   Co	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives		Other Comments	limit (%)
Section   Committed   Commit	1046	13702-38-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
100.0000000000000000000000000000000000	1047	13768-07-5	Arsenenous acid						0.1%
Section   Sect	1048	14644-70-3	· ·	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1049	15194-98-6	Arsenenous acid, calcium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
April   Process   April   Ap	1050	15195-06-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1922   1922   2923   294   2				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
									0.1%
Property and IS (PA) (PA)   Property and IS (PA) (PA)	1053	21093-83-4		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1505   2543-1-40   1   1   1   1   1   1   1   1   1	1054	21480-65-9	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1656   2007-1-7-1   Principle of American				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1607   3901-10-1   1000   3002									0.1%
1995   2987-79-0   Anamona and St. Droc early   empirical or wide Annex XVIII   miles   mile			( ,	restricted under Annex XVII of REACH	REACH Anney XVII				0.1%
1009   30087-130			-						0.1%
100   3001-131   200000000000000000000000000000000000	1059	29871-10-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1060		arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
10.00   20.00-25-25   Protection   20.00-25-25				restricted under Annex XVII of REACH.	REACH Annex XVII				
Second Content   Seco	1061	333-25-5	chlorovinyl)-						0.1%
1063   3980-93-5    email-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1062	33382-64-8	· ·	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1063	33040-05-3		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1006   390247-97   341 6CPL   3005   390247-97   3405   3005   390247-97   3405   34	1000	00040 00 0	monohydrate						0.170
1606   36267-16-76   Anternos and,	1064	33972-75-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1007   3040-71-0-0   Allertonia acid, included annies XVII of REACH.   REACH Annies XVII   Company   Com	1065	33992-49-3	Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1067   30465-76-6   Information   Informat	1066	36267-15-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1009   33910-41   Americ Chloride   restricted under Annex XVIII   REACH Annex XVIII				restricted under Annex XVII of REACH	REACH Anney XVII				0.1%
1070   40334-694   Anim. Intif.2   estiticided under Annex XVIII   REACH Annex XVIII									0.1%
1074   40334-70-1   Arcine, trile(2)   restricted under Annex XVIII	1069	39310-41-3							0.1%
1077   40334-70-1   Arame ristig2   Arameter and (1974-9-0-1)   Feather a	1070	40334-69-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1075   53404-129   All Particles and (HSA-9C)   Restricted under Annex XVII of REACH.   REACH Annex XVII	1071	40334-70-1	Arsine, tris(2-						0.1%
1074   6876-76-9   Feather   Feath	1072	41996-37-6							0.1%
1074   68784-76-9   managenesium; managene	1073	53404-12-9	lead(4+) salt (4:3)						0.1%
1076   9678-7-9-3				restricted under Annex XVII of REACH.	REACH Annex XVII				
1075 68957-75-5  Sicci catol (145)C4)   restricted under Annex XVII of REACH   REACH Annex XVIII   REACH Annex XVIII   REACH   REACH Annex X	1074	68784-76-9	manganese(2+) zinc salt,						0.1%
with arsenic poide (As2O3)   restricted under Annex XVII of REACH   REACH Annex XVII   Service   S			Silicic acid (H4SiO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				
1076   69507-43-3   Aissenerous acid, silver[11-3] solution   1077   71130-50-2   Benzenesulfonic acid, 4- restricted under Annex XVII of REACH.   REACH Annex XVII   1078   1079   72845-34-2   Aissenerous acid, inhum restricted under Annex XVII of REACH.   REACH Annex XVII   1079   73156-86-2   Aissenerous acid, inhum restricted under Annex XVII of REACH.   REACH Annex XVII   1078	1075	68957-75-5							0.1%
1077   71130-50-2   Berzenezu-Lordina dal, 4-   restricted under Annex XVII of REACH.   REACH Annex XVII	1076	69507-43-3	Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1078				restricted under Annex XVII of REACH.	REACH Annex XVII				
1079 72845-342 Arsenenous acid, lithium restricted under Annex XVII of REACH. REACH Annex XVII salt salt salt and compared to the salt salt salt and compared to the salt salt salt salt salt salt salt salt				restricted under Anney XVIII of REACH	DEACH Appey YV/II				0.1%
1080   73166-86-2   Arsenous acid, copper(2+) restricted under Annex XVII of REACH.   REACH Annex XVII   R	1078	71130-51-3	arsenoso-						0.1%
1081	1079	72845-34-2	Arsenenous acid, lithium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1081   7645-25-2   Arsenic acid (H3AsCA),   restricted under Annex XVII of REACH.   REACH Annex XVII	1080	73156-86-2		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1082   76871-63-1   Arsenenous acid, neodymium(3+) salt   1084   76871-65-3   Arsenenous acid, neodymium(3+) salt   1084   76871-65-3   Arsenenous acid, neodymium(3+) salt   1084   76871-65-4   Arsenenous acid, neodymium(3+)   1085   76407-89-1   1085   76407-89-1   1085   76407-89-1   1085   76407-89-1   1085   76407-89-1   1085   76407-89-1   1085   108	1081	7645-25-2	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1083   76871-65-3   Arsenenous acid, cadmium (a)+ salt   1084   76871-66-4   Arsenenous acid, cadmium neodymium(3+)   1085   76407-89-1   1086   82005-78-5   Arsenenous acid, cadmium neodymium(3+)   1086   82005-78-5   Arsenenous acid, cadmium neodymium(3+)   1086   82005-78-5   Arsenenous acid, cadmium neodymium(3+)   1087   82980-40-3   Arsenenous acid, cadmium neodymium(3+)   1088   83877-96-7   1088   83877-96-7   1089   84953-43-5   1089   84953-43-5   1089   84953-43-5   1089   8561-28-0   1099   85561-28-0   Arsenenous acid, cadmium salt   1099   85591-29-1   Arsenenous acid, cadmium salt   1099   86859-92-9   Arsenenous acid, cadmium salt   1099   86859-93-0   1099   86859-93-0   1099   88496-44-1   Arsenenous acid, cadmium salt   1099   1				restricted under Annex XVII of REACH.	REACH Annex XVII				
1084   76871-66-4   Arsenenous acid, cadmium neckymium/3+)   1085   76407-89-1   Arsenic acid (H3AsO4), copper(2+) salt (2-3)   restricted under Annex XVII of REACH.   REACH Annex XVII	1082	76871-63-1	neodymium(3+) salt						0.1%
1085   76407-89-1   Cadmium neodymium(3+)   restricted under Annex XVII of REACH.   REACH Annex XVII   Copper(2+) salt   Cadmium salt   Reach Annex XVII of REACH.   REACH Annex XVII	1083	76871-65-3	lutetium(3+) salt						0.1%
1985   76407-89-1   Arsenic acid (H3ASO4), copen(2+) salt (1/2.3)   restricted under Annex XVII of REACH.   REACH Annex XVII     (2)	1084	76871-66-4		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Copper(2+) salt (2:3)   restricted under Annex XVII of REACH.   REACH Annex XVII       REACH Annex XVII	1085	76407-89-1	Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1087   82980-40-3   Arsenenous acid, mercury(2+) salt   restricted under Annex XVII of REACH.   REACH Annex XVII	1086	82005-78-5		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1080   83877-96-7   Arsenenous acid, admium salt   restricted under Annex XVII of REACH.   REACH Annex XVII			oun	restricted under Annex XVII of RFACH	REACH Annex XVII				
1089   84953-43-5   antimony(3+) salt   Arsenenous acid,   restricted under Annex XVII of REACH.   REACH Annex XVII	1087	82980-40-3	mercury(2+) salt						0.1%
1089   84953-43-5   Arsenenous acid, cadmium salt	1088	83877-96-7		restricted under Annex XVII of REACH.	KEACH Annex XVII				0.1%
1090   85561-28-0   Arsenenous acid, cobalt(2+) salt   restricted under Annex XVII of REACH.   REACH Annex XVII	1089	84953-43-5		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1091 85561-29-1 Arsenenous acid, manganese(2+) salt 1092 85906-44-1 Arsenenous acid, manganese(2+) salt 1093 85949-61-7 Arsenenous acid, manganese(2+) salt 1093 85949-61-7 Arsenenous acid, restricted under Annex XVII of REACH. REACH Annex XVII 1093 85949-61-7 Arsenenous acid, restricted under Annex XVII of REACH. REACH Annex XVII 1094 86859-92-9 Arsenenous acid, restricted under Annex XVII of REACH. REACH Annex XVII 1095 86859-93-0 Arsenenous acid, restricted under Annex XVII of REACH. REACH Annex XVII 1095 86859-93-0 Arsenenous acid, restricted under Annex XVII of REACH. REACH Annex XVII 1096 88442-64-2 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1096 88442-64-2 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1097 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1097 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1097 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), r	1090	85561-28-0	Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1092 85906-44-1 Mrsenenous acid, restricted under Annex XVII of REACH. 1093 85949-61-7 Reaction acid (H3AsO4), calcium salt (7:10) 1094 86859-92-9 Arsenenous acid, restricted under Annex XVII of REACH. 1095 86859-93-0 Arsenenous acid, restricted under Annex XVII of REACH. 1096 88442-64-2 Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate 1097 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1099 Reach Annex XVII				restricted under Annex XVII of REACH.	REACH Annex XVII				
1092 85940-44-1 manganese(2+) salt 1093 85949-61-7 Arsenic acid (H3AsO4), calcium salt (7:10) 1094 86859-92-9 Arsenenous acid, praseodymium(3+) salt 1095 86859-93-0 Arsenenous acid, restricted under Annex XVII of REACH. 1096 88442-64-2 copper(2+) salt (1:1), sesquihydrate 1097 89054-01-3 Arsenic acid (H3AsO4), crestricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1099 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII REACH Annex XVII of REACH. 1090 REACH Annex XVII RE			manganese(2+) salt						0.1%
1094 86859-92-9 Arsenenous acid, prestricted under Annex XVII of REACH. 1095 86859-93-0 Praseodymium(3+) salt Arsenenous acid, cerium(3+) salt (1-1), sesquihydrate 1096 88442-64-2 copper(2+) salt (1-1), sesquihydrate 1097 89054-01-3 Arsenic acid (H3AsO4), copper(2+) salt (1-5), sesquihydrate 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1099 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1099 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1090 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1090 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1090 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. 1090 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH.	1092	85906-44-1	manganese(2+) salt						0.1%
1094   86859-92-9   Arsenenous acid, praseodymium(3+) salt   1095   86859-93-0   Arsenenous acid, praseodymium(3+) salt   1096   88442-64-2   1096   88442-64-2   1096   89054-01-3   89054-01-3   89054-01-3   Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate   1097   89054-01-3   Arsenic acid (H3AsO4), prestricted under Annex XVII of REACH.   REACH Annex XVII   REACH Annex XVII   1097   REACH.   REACH Annex XVII   REACH Annex XVII   1097   REACH.   REACH A	1093	85949-61-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1095   86859-93-0   Arsenenous acid, cerium(3+) salt   1096   88442-64-2   Arsenic acid (H3AsO4), copper(2+) salt (1:1), sesquihydrate   1097   89054-01-3   Arsenic acid (H3AsO4), copper(2+) salt (1:5)   restricted under Annex XVII of REACH.   REACH Annex XVII     (C)	1094	86859-92-9	Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1096 88442-64-2 copper(2+) salt (1:1), sesquihydrate 1097 89054-01-3 Arsenic acid (H3AsO4), copper(2+) salt (4:5) 1098 89054-01-3 Arsenic acid (H3AsO4), copper(2+) salt (4:5) 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII 1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII	1005	86850-02.0	Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1096	1093	00009-90-0		restricted under Annex XVII of REACH	REACH Anney Y\/II				0.1/0
1097 89054-01-3 Arsenic acid (H3AsO4), copper(2+) salt (4:5) restricted under Annex XVII of REACH. REACH Annex XVII  1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII  1098 89054-01-3 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVIII	1096	88442-64-2	copper(2+) salt (1:1),	TOURS GIRLD AIRION AVII OF NEAOTI.	NEAGLI AIIIIGA AVII				0.1%
1097 89054-01-3 copper(2+) salt (4:5) 1098 89054-01-3 copper(2+) salt (4:5) 1098 89054-03-5 Arsenic acid (H3AsO4), restricted under Annex XVII of REACH. REACH Annex XVII	1007	900E4 04 0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.49/
			copper(2+) salt (4:5)						0.1%
			lead(2+) salt (4:5)						100.1%
1099 89054-07-9 arsenic acid, calcium salt restricted under Annex XVII of REACH. REACH Annex XVII	1099	89054-07-9	arsenic acid, calcium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



		ER SOLUTIONS					Effective Date: 3-Se	<u> </u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
		Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII		Protocols		()
1100	89067-81-2	calcium salt (4:5)	restricted under Armex Avii of REACH.	REACH AIIIEX AVII				0.1%
1101	91724-16-2	Strontium arsenite (Sr(As2O4))	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1102	92278-94-9	Arsenous acid, titanium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1103	93080-00-3	Arsonic acid, tin salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1104	94854-78-1	Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		ammonium copper salt Arsenenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				
1105	94854-80-5	ammonium zinc salt						0.1%
1106	7774-41-6	ARSENIC ACID (H3ASO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1107	6423-72-9	Arsonic acid, methyl-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.10/
1107	6423-72-9	calcium salt (1:1)	WALL OF A COLUMN TO THE A COLU	DE 1011 1 10 10				0.1%
1108	13510-46-8	trisodium;trioxido(oxo)- \$I^{5}-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Arsenic acid (H3AsO4),	restricted under Annex XVII of REACH.	REACH Annex XVII				
1109	164170-84-7	monopotassium salt, 1/5hydrate						0.1%
1110	62702-52-7	Tripotassium arsenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		3/2hydrate Arsenous acid	restricted under Annex XVII of REACH.	REACH Annex XVII				
1111	13464-58-9 12397-66-9	Tin arsenide (Sn4As3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1% 0.1%
		Arsenous acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				
1113	37337-11-4	tricopper(1+) salt,						0.1%
1114	56729-51-2	Arsenic tetrasulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1115	54058-01-4	Arsonic acid, monoammonium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1116	12512-13-9	Tetraarsenic trisulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1117	16973-45-8	Arsenic(5 ) hexafluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1118	87198-15-0	Arsenic tetrachloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1119	109882-46-4	Arsonic acid, lead(2+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
-		(1:1) (2-Chloroethenyl)arsonous	restricted under Annex XVII of REACH.	REACH Annex XVII				
1120	541-25-3	dichloride						0.1%
1121	56320-22-0	Arsenic sulfide (AsS2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1122	56450-43-2	Zinc arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1123	60168-33-4	Arsenous acid, iron(3+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1124	60189-99-3	Sodium oxidoarsonous	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1125	60646-36-8	Arsenic trichloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1126	60953-19-7	Gallium arsenic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1127	61462-16-6	Strontium arsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1128	618-25-7	(4-((2-Amino-2- oxoethyl)amino)phenyl)ars	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
20	0.020.	onic acid						0.170
1120	6270 27 0	Arsonic acid, methyl-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.10/
1129	6379-37-9	compd. with 1-octanamine (1:1)						0.1%
		Arsine	This substance is used by professional	REACH Annex XVII				
1130	7784-42-1		workers (widespread uses), in formulation or re-packing and at					0.1%
1131	1499-33-8	Methyltriphenylarsonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1131	1499-33-6	iodide	restricted under Appey VVIII of DEACH	DEACH Assess VVIII				0.176
1132	13246-32-7	o- phenylenebis(dimethylarsi	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1133	13355-00-5	Melarsonyl potassium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Thiobis[methylarsine],	restricted under Annex XVII of REACH.	REACH Annex XVII				
1134	13367-92-5	anhydrosulphide						0.1%
		Disodium hydrogen 2-[[7-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1135	14674-83-0	[(2-arsonophenyl)azo]-1,8- dihydroxy-3,6-						0.1%
		disulphonato-2-						
1136	23525-22-6	Diphenylarsinecarbonitrile	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Bis[(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1137	23582-05-0	diphenylarsinoethyl)phenyl						0.1%
<u> </u>		]phosphine	and the decided of the control of th	DEAGULA YOU				<b></b>
1138	23582-06-1	[2- (diphenylarsino)ethyl]diphe	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		nylphosphine						370
1139	12774-48-0	Arsorane, pentahydroxy-, copper(2+) salt (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		, , , ,	restricted under Assess VIII ( DEAC)	DEACH A VC //				
1140	73003-83-5	Tetraphenylarsonium chloride, compound with	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1140	, 5505-55-5	hydrochloric acid (1:1)						J. 1 /0
11/1	80970 64 7	Strychnidin-10-one,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.10/
1141	80879-64-7	compd. with						0.1%
		Methyl 17α-	restricted under Annex XVII of REACH.	REACH Annex XVII				I
1142	80925-03-7	hydroxyyohimban-16α- carboxylate,						0.1%
	#C	methylarsonate (1:1)	and the decided on the Assess NOW (DEAG)	DEAGULA No				
1143	590-34-1	Allylarsonic acid	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1144	622-68-4	4-(4- dimethylaminophenylazo)p	resulcied under Affrex AVII OF REACH.	REACH Annex XVII				0.1%
<u> </u>		henylarsonic acid	0	DEVOITA 72				
1145	75113-37-0	Dibutyltin hydrogen borate	Suspected to be Mutagenic, Toxic to Reproduction, Skin sensitising and	REACH Annex XVII				0.1%
. 1.40			Borates					5.170
		Cadmium and its						
		compounds						
1146	814-88-0	Cadmium oxalate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1147	865-38-3	Cadmium dithiocyanate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1148	141-00-4	Cadmium succinate Dimethylcadmium	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1149 1150	506-82-1 542-83-6	Cadmium cyanide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1150	542-83-6	Saumum Gyaniue	TOOLINGE GIRGE AITHER AVII OF REACH.	VEVOLUCIUMS VAII	İ			0.1%



					1		Commention		
10.0   1.5.0.5.0.0   1.5	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
100   207-207   Common particular   Common p	1151	543-90-8	Cadmium di(acetate)	restricted under Annex XVII of REACH.	REACH Annex XVII		1101000.0		0.1%
				restricted under Annex XVII of REACH.	REACH Annex XVII				
1966   77,000   79,000   79,000   70,	1153	7058-55-1	Cadmium dianthranilate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1154	7789-42-6	Cadmium bromide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1155	7790-80-9	Cadmium iodide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1156	7790-81-0	Cadmium iodate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1986   1986	1157	7790-83-2	Cadmium dinitrite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
March   1988   1985   March   Minch   March	1158	7790-85-4	Cadmium wolframate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
March   Marc					REACH Annex XVII				
1006   100690000   100690000   100690000   100690000   100690000   1006900000   100690000   1006900000   1006900000   10069000000   100690000	1159	'8048-07-5	yellow						0.1%
	1160	10196-67-5	Cadmium myristate		REACH Annex XVII				0.1%
1000   1014-03-30   Column Instrume transfer and processes used from the National Processes and Pr			·						
1005   101-1-41   Confirmant Principals   Confirmant									
1004   1014-297   This deliberant on a secretar system and syste				restricted under Annex XVII of REACH.					
Month   Mont									
Instruction	1165	12014-29-8	cadmium (2:3)						0.1%
	1166	1191-79-3		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1975   1976-2-4				This substance is used by consumers, in	REACH Annex XVII			selenium compounds with	
The continue maturish				articles, by professional workers				the exception of cadmium	
	1167	1306-24-7							0.1%
Part				in manufacturing.					
			Cadmium telluride	This substance is used in articles, at	REACH Annex XVII				
199   2191-103   Calmium disclarations on an electrical univer Armes XVII of REACH   REACH Armes XVII   Control of the European Professor Act 101   Control of the Contro				industrial sites and in manufacturing.					
	1168	1306-25-8							0.1%
Page									
1970   2229-29-0   Cadminum polium diseases   restricted under Annex XVII of REACH   REACH Annex XVII									
247.09.25   Carbinam probable   menticed under Annex XVII of REACH   REACH Annex XVII	_		` '						
1772   262-03-65   Cadminim disturation   September									
1477   2693-49   document and seasonable	1171	2420-97-5							0.1%
1973   2006-4-0   Confirmin discuration   Confisional continue   C	1172	2420-98-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1474   2847-167   Colfstriam differencement   Colfstriam Stalling-collaboration   Colfstriam Stallin	1173	2605-44-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1775   1776   1776   1776   1776   1776   1777   1776   1777						-			
1176				restricted under Annex XVII of REACH.					
10   10   10   10   10   10   10   10				restricted under Annex XVII of REACH.					
1476   4464-23-7   Carbinum difformation   celebrated under Annex XVII   celebrated under Anne	11/6	4167-05-9	dimethylethyl)benzoate						0.1%
4476-044   Carbonnesses	1177	4390-97-0							0.1%
1818   1486-19-2   Cadmium formation common and interest under Annex XVIII of REACH Annex XVIII	1178	4464-23-7	Cadmium diformate						0.1%
1486-1-9-2   Serial miles   14486-1-9-2   Serial miles   14586-1-9-3   S	1179	4476-04-4							0.1%
1182									0.1%
1882   1886-8-53   Signatinum   1885   1886-8-53   Organization   1885   1886-8-53   Organization   1885	1181	14486-19-2							0.1%
1883   1488-945   Signetiane 2-4-dionate   College   C	1182	14566-86-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1868   1469-49-90   Cycledmium   Self-pright-principle   Self-principle				restricted under Annex XVII of REACH.	REACH Annex XVII				
168   1467-2-79   minum dihydroxide   settinded under Annex XVII of REACH.   REACH Annex XVII	1183	14689-45-3	O,O')cadmium		TEXTOTI TURNOR XVIII				0.1%
14923-81-0   Cadmium discipandina-1-stricted under Annex XVIII of REACH.   REACH Annex XVIII	1184	14874-24-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1188	1105	14022 91 0		restricted under Annex XVII of REACH	REACH Anney XVII				0.19/
188   1494-96-1	1100								0.176
1888   18937-60-7	1186	14949-59-8	carbodithioate)		TEXTOTI TURNOR XVIII				0.1%
1188   15337-60-7	1187	14949-60-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1888   1839/1907				restricted under Anney XVII of REACH	REACH Anney Y\/II				
1982   1987   20   20   20   20   20   20   20   2	1188	15337-60-7		restricted under Armex XVII of REAGH.	KLACITAIIIEX XVII				0.1%
1900   15708-29-9	1189	15682-87-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1190   15708-29-9				restricted under Appear XVIII of PEACH	DEACH Appay VI/II				*****
1578-29-9				restricted under Armex XVII of REAGH.	KLACITAIIIEX XVII				
1911   15743-19-8   Cadmium acrylate   restricted under Annex XVII of REACH.   REACH Annex XVII	1190	15708-29-9							0.1%
Acadmium acrylate   restricted under Annex XVII of REACH.   REACH Annex XVII									0.170
192   15851-44-2   Cadmium tellurium   restricted under Annex XVII of REACH.   REACH Annex XVII			N,N',O,O',ON,ON']cadmat						
193   15852-14-9   Cadmium fellurium   restricted under Annex XVII of REACH.   REACH Annex XVII	1191	15743-19-8	Cadmium acrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1194   16039-55-7   Cadmium dilactate   restricted under Annex XVII of REACH.   REACH Annex XVII	1192	15851-44-2	Cadmium tellurium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1195 16056-72-7 Cadmium divanadium hexoxide 1905-6-9 Coxoct-proline, cadmium salt 1917 16986-83-7 Cadmium propionate 1905-6-9 Salt 1970-21-8 17010-21-8 17010-21-8 18974-20-4 ISSIGNATION SALT 1990 18991-05-4 Cadmium propionate 1905-6-9 Salt 19010-65-2 Cadmium dipenolate 19010-65-2 Cadmium methacrylate 19010-65-2 Cadmium methacrylate 1202 1203 24345-60-6 Cadmium methacrylate 1204 26264-48-2 Cadmium methacrylate 1205 27476-27-3 Cadmium to provide 19010-65 (2010) 12185-64-7 Cadmium to provide 19010-65 (2010) 12185-64-7 1208 12187-14-3 Dicadmium to provide 19010-65 (2010) 12185-64-7 1208 12187-14-3 Dicadmium to provide 19010-65 (2010) 12185-64-7 1208 12187-14-3 Dicadmium to provide 19010-65 (2010)	1193	15852-14-9	Cadmium tellurium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
196 1605-06-9   S-oxo-Leproline, cadmium   restricted under Annex XVII of REACH.   REACH Annex XVII	1194	16039-55-7	Cadmium dilactate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
196   16105-06-9   Sowo-L-proline, cadmium   restricted under Annex XVII of REACH.   REACH Annex XVII	1195	16056-72-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1197   16986-83-7   Cadmium propionate   restricted under Annex XVII of REACH.   REACH Annex XVII	. 195	.5555 72-1		rectricted under Appear VVIII - CDEACL	DEACH Assess VV ///				J. 1 70
1197 16986-83-7 Cadmium propionate restricted under Annex XVII of REACH. REACH Annex XVII	1196	16105-06-9		restricted under Affrex AVII OF REACH.	NEACH ARREX AVII				0.1%
1198 17010-21-8 Cadmium hexafluorosilicate(2-) 1199 18974-20-4 Bis(ethylenediamine)cadm ium(2+) his(ethylenediamine)cadm ium(2+) his	1197	16986-83-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
18974-20-4   Bis(ethylenediamine)cadm   restricted under Annex XVII of REACH.   REACH Annex XVII				restricted under Annex XVII of REACH.	REACH Annex XVII				
199	1198	17010-21-8	` '						U.1%
1200   18991-05-4   Cadmium diphenolate   restricted under Annex XVII of REACH.   REACH Annex XVII	1100	18974-20-4		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1200 18991-05-4 Cadmium diphenolate restricted under Annex XVII of REACH. REACH Annex XVII   1201 19010-65-2 Cadmium disalicylate restricted under Annex XVII of REACH. REACH Annex XVII   1202 19010-79-8 Cadmium disalicylate restricted under Annex XVII of REACH. REACH Annex XVII   1203 24345-60-6 Cadmium methacrylate restricted under Annex XVII of REACH. REACH Annex XVII   1204 26264-48-2 Cadmium epoxycotadecanoate restricted under Annex XVII of REACH. REACH Annex XVII   1205 27476-27-3 Cadmium toluate restricted under Annex XVII of REACH. REACH Annex XVII   1206 12139-23-0 Cadmium zirconium restricted under Annex XVII of REACH. REACH Annex XVII   1207 12185-64-7 Pentacadmium restricted under Annex XVII of REACH. REACH Annex XVII   1208 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII   1209 12187-14-3 Dicadmium nioba	1139	103/4-20-4							U. 1 /0
1201   19010-09-2   bis(dipentyldithiocarbamat   1202   19010-09-9   Cadmium disalicylate   restricted under Annex XVII of REACH.   REACH Annex XVII   1203   24345-60-6   Cadmium methacrylate   restricted under Annex XVII of REACH.   REACH Annex XVII   1204   26264-48-2   Cadmium methacrylate   restricted under Annex XVII of REACH.   REACH Annex XVII     1205   27476-27-3   Cadmium toluate   restricted under Annex XVII of REACH.   REACH Annex XVII     1206   12139-23-0   Cadmium zirconium   restricted under Annex XVII of REACH.   REACH Annex XVII     1206   12185-64-7   Pentacadmium chloridetriphosphate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under Annex XVII of REACH.   REACH Annex XVII     1207   12187-14-3   Dicadmium niobate   restricted under	1200	18991-05-4	Cadmium diphenolate		REACH Annex XVII		<u> </u>		0.1%
1202 19010-79-8 Cadmium disalicylate restricted under Annex XVII of REACH. 1203 24345-60-6 Cadmium methacrylate restricted under Annex XVII of REACH. 1204 26264-48-2 Cadmium ethacrylate restricted under Annex XVII of REACH. 1205 27476-27-3 Cadmium toluate restricted under Annex XVII of REACH. 1206 12139-23-0 Cadmium zirconium restricted under Annex XVII of REACH. 1207 12185-64-7 Pentacadmium chloridetriphosphate restricted under Annex XVII of REACH. 1208 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. 1209 REACH Annex XVII 1200 REACH Annex XVII 12	1201	19010-65-2		restricted under Annex XVII of REACH.	REACH Annex XVII		<del></del>		0.1%
1203     24345-60-6     Cadmium methacrylate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1204     26264-48-2     Cadmium epoxyoctadecanoate epoxyoctadecanoate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1205     27476-27-3     Cadmium toluate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1206     12139-23-0     Cadmium zirconium     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1207     12185-64-7     Pentacadmium chloridetriphosphate mchloridetriphosphate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1208     12187-14-3     Dicadmium niobate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%				restricted under Appear VV/II of REACH	DEVCH Vasor Aviii				
26264-48-2   Cadmium   restricted under Annex XVII of REACH.   REACH Annex XVII	_		•						
205   27476-27-3   Cadmium toluate   restricted under Annex XVII of REACH.   REACH Annex XVII	1203								U.1%
1205     27476-27-3     Cadmium toluate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1206     12139-23-0     Cadmium zirconium     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1207     12185-64-7     Pentacadmium chloridetriphosphate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1208     12187-14-3     Dicadmium niobate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%	1204	26264-48-2		restricted under Affrex AVII OF REACH.	NEACH ARREX AVII				0.1%
1206     12139-23-0     Cadmium zirconium     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1207     12185-64-7     Pentacadmium chloridetriphosphate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1208     12187-14-3     Dicadmium niobate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%	1205	27476-27-3		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1207     12185-64-7     Pentacadmium chloridetriphosphate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%       1208     12187-14-3     Dicadmium niobate     restricted under Annex XVII of REACH.     REACH Annex XVII     0.1%	_		Cadmium zirconium	restricted under Annex XVII of REACH.	REACH Annex XVII				
1208 12187-14-3 Dicadmium niobate restricted under Annex XVII of REACH. REACH Annex XVII 0.1%				restricted under Annex XVII of REACH.	REACH Annex XVII				
				and the decision of the second	DE 4 OLL 4				
1209 12214-12-9 Dicadmium seienide restricted under Annex XVII of REACH. REACH Annex XVII									
	1209	12214-12-9	Dicadmium selenide	restricted under Annex XVII of REACH.	KEACH Annex XVII				0.1%



No.	Common as   Exploration   Exploration   Exploration   Exploration   Christ			IN SOLUTIONS					Effective Date: 3-56	<u> 3p-2022</u>
	ROX XVIII of REACH.  REACH Annex XVII  ROX XVIII of REACH.  REACH Annex XVII  ROX XVIII of REACH.  REACH REACH XVIII  REACH REACH XVIII  REACH REACH REACH REACH REACH REACH REACH XVIII  ROX XVIII of REACH.  REACH REACH REACH REACH REACH REACH REACH XVIII  ROX XVIII of REACH.  REACH REACH REACH REACH REACH REACH XVIII  ROX XVIII of REACH.  REACH R	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives		Other Comments	limit (%)
1211   1242-07-20   Confermance and confermance   Section control confermance   Section control confermance   Section control contro	INSEX YOUR FREACH.  REACH Annex XVIII  REX XVIII OF REACH.  REACH Annex XVIII  REX	1210	12292-07-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1215   1256-57-4   Commun machine ma	Intellection file Coloury REACH Annex XVIII 0.1%  IOX XVIII of REACH REACH REACH REA	1211	12442-27-2	Cadmium zinc sulphide						0.1%
Page	0.1%	1212	12626-36-7							0.1%
14.15   13.477-18-6   Commun stroken   matchased under Annex XVII of REACH,   REACH Annex XVII	MAX SYMI OF REACH.  REACH Annex XVIII  MIX XVIII OF REACH.  REACH Annex XVIII  MIX XVI	1213	12656-57-4		Index by Colour Index Constitution	REACH Annex XVII				0.1%
1916   1977-29-1   Centerinar subplane   centered under Annex XVII of REACH.   REACH Annex XVII	MEX.WILD FREACH.   REACH Annex XVII									1
1370   654	MRX XVII OF REACH.   REACH Annex XVII							<b> </b>		1
	REX. XVIII of REACH. REACH Annex XVIII  REX. X			·						
17.00   17.0	EX XVII of REACH.   REACH Annex XVII			hexaoxide						
1202   33814-62-8   California setemates	Is with the exception   REACH Annex XVII			C)ferrate(4-)		DEACH Appey VVIII				
1221   1382-25-2   Colombium discinosina in the substance of the second color Annex XVI of REACH.	Delinicia and those   Delinicia and the sex XVIII of REACH. REACH Annex XVIII   Delinicia and the se	1219	13814-59-0							0.1%
1222   1397-17-1   Cadernum omtophosphesia   1224   14077-8-0   Cadernum omtophosphesia   1224   14077-8-0   Cadernum omtophosphesia   1225   1407-8-0   Cadernum Sydrogen   Instituted under Annex XVII of REACH.   REACH Annex XVII     1226   14239-8-0   Cadernum Sydrogen   Instituted under Annex XVII of REACH.   REACH Annex XVII     1227   14312-0-0   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1228   14007-7-5   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1229   6796-19-9   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1220   6796-19-9   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1220   6796-19-9   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1221   6796-19-9   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1222   6796-19-9   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1223   6796-19-9   Cadernum depotesisum   Instituted under Annex XVII of REACH.   REACH Annex XVII     1224   6813-69-0   Cadernum methods   Instituted under Annex XVII of REACH.   REACH Annex XVII     1224   6813-69-0   Cadernum methods   Instituted under Annex XVII of REACH.   REACH Annex XVII     1224   6878-8-5   Cadernum sulfide (CSS)   Cadernum sulfide (CS	NEXTREMENT   REACH Annex XVII				of cadmium sulphoselenide and those specified elsewhere in this Annex					
1226   14017-36-8   Cadmium molycleterum terestriced under Annex XVII of REACH.   REACH Annex XVII	MEX. XVII of REACH.   REACH Annex XVII							<del></del>		1
1224   1407-26   Cadmium injuringen   Injurishment   Injurishmen	International Content									
1225   14067-62-0   Coloram hydrogen phosphate   Coloram settlined under Annex XVII of REACH.   REACH Annex XVII   REACH Anne	March   Marc			tetroxide						
1226   1423-06   100	EX XVII of REACH.   REACH Annex XVII	1224	14017-36-8					ļ		0.1%
1226   14402-75-6   Cadmium chromate   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII of REACH.   REACH Annex XVII   Selficided under Annex XVII   Se	International Content	1225	14067-62-0	phosphate		REACH Annex XVII		į .		0.1%
1427   14312-00-6   Cadmium dipotassium   restricted under Annex XVIII   Teacher   T	EXEX_VII of REACH.   REACH Annex XVII	1226	14239-68-0		restricted under Annex XVII of REACH.	REACH Annex XVII		l l		0.1%
1229   67906-19-8   desproyancie	BEX XVII of REACH.   REACH Annex XVII	1227	14312-00-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Septiment   Page   Pa	0.1%	1228	14402-75-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1939   67393-62.2   Cadmium dimoleate   restricted under Annex XVII of REACH.   REACH Annex XVII   REACH A	No. 19%	1229	67906-19-8	Bis(propane-1,2- diyldiamine-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1231 67989-93-9 [Intrinctiferme/here) [rist of prosphoratol) [(6)- N.O.P. VO-Candinate (F)- Interpretation of prosphoratol) ((6)- N.O.P. VO-Candination of P	No. 19%	1230	67939-62-2		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
phosphorability (1997)  1232 68092-45-5 67  1233 68131-58-8 7  1234 68131-59-9 67  1235 68131-59-9 67  1236 68131-59-9 67  1237 6832-81-0  1238 68131-59-9 7  1239 68131-59-9 7  1230 68131-59-9 7  1230 68131-59-9 7  1230 68131-59-9 7  1231 68131-59-9 7  1232 6831-59-9 8  1233 68131-59-9 8  1234 68131-59-9 8  1235 6831-59-9 8  1236 68309-88-8 19  1237 68332-81-0  1238 68309-88-8 19  1239 68309-88-8 19  1239 68309-88-8 19  1239 68309-88-8 19  1230 68309-89-8 19  1230 68309-89-8 19  1230 68309-89-8 19  1231 68309-89-8 19  1232 68309-89-8 19  1233 68309-89-8 19  1234 68309-80-5 19  1235 68309-80-5 19  1236 68309-80-5 19  1237 68332-81-0  1238 68409-82-5 19  1239 68478-53-5 19  1240 68479-13-0  1240 68479-13-0  1240 68479-13-0  1240 6878-93-0  1240 6878-94-8 19  1241 6878-94-8 19  1242 6878-98-8 19  1243 6887-98-92 19  1244 6887-99-8 2  1246 6887-99-8 19  1246 6887-99-8 19  1247 6887-90-9  1248 6887-90-9  1248 6887-90-9  1248 6887-90-9  1248 6887-90-9  1249 6887-90-9  1249 6887-90-9  1240 6887-90-	International Present			Tetrapotassium [[[nitrilotris(methylene)]tris[						
1232 68092-45-5 Cadmium m-tolustate restricted under Annex XVIII of REACH. REACH Annex XVIII administration asits fatty acids (12-18), administration asits for the structure of	No.196   N									
1234   68131-59-6   Set   Admium salls   restricted under Annex XVII of REACH.   REACH Annex XVII   REACH	iex XVII of REACH. REACH Annex XVII 0.1%  iit that is the reaction perature calcination of e.c. admirm oxide, in varying amounts and ionically a constalling matrix in a	1232	68092-45-5			REACH Annex XVII				0.1%
1234 68131-59-9 Fatty acids, C12-18, cadmium salls benzyltriphenylphosphonium salls benzyltriphenylphosphonium salls benzyltriphenylphosphonium restricted under Annex XVII of REACH. REACH Annex XVII metarbeniciphtribosibenic intribischem (Edityphenoisphonium salls) benzyltriphenylphosphonium restricted under Annex XVII of REACH. REACH Annex XVII metarbeniciphtribosibenic phosphonium sulfide (CdS), solid soln, with zine sulfide. Cadmium sulfide (CdS), solid soln, with zine sulfide. Product of high temperature calcination in which bismuth oxide, cadmium oxide in valving amounts are homogeneously and ionically intertifities and normal cooper and aliend-doped damium under doped and aliend-doped sall with cooper and aliend-doped sall with silent to discovere and silend-doped and sall with silent to discovere and silend-doped sall with silent to discovere and silen	iex XVII of REACH. REACH Annex XVII 0.1%  iit that is the reaction reaction and reaction of reactive calcination dec, cadmium vide, in varying amounts and ionically annexide.  in varying amounts and reaction reactive ex XVII of REACH. REACH Annex XVII 0.1%  iex XVII of REACH. REACH Annex XVII 0.1%	1233	68131-58-8		restricted under Annex XVII of REACH.	REACH Annex XVII		l l		0.1%
Cadmium sulfide (CdS),   Service	tex XVII of REACH.  REACH Annex XVII  D.1%  REX XVII of REACH.  REACH Annex XVII  D.1%  REX XVII of REACH.  REACH Annex XVIII  D.1%	1234	68131-59-9	Fatty acids, C12-18,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
REACH Annex XVII	tex XVII of REACH.  REACH Annex XVII  D.1%  REX XVII of REACH.  REACH Annex XVII  D.1%  REX XVII of REACH.  REACH Annex XVII  D.1%  REX XVII of REACH.  REACH Annex XVII  D.1%  REACH Annex XVII  REACH Annex XVII  D.1%  REACH Annex XVII  D.1%  REACH Annex XVII  D.1%  REX XVII of REACH.  REACH Annex XVIII  D.1%			Benzyltriphenylphosphoniu	restricted under Annex XVII of REACH.	REACH Annex XVII				<del>                                     </del>
1236   68309-98-8   Hylene Dis[Intitiobis[met Hylene]Distratis[shosphon atoll(8-1)cadmate(6-1)   Cadmium sulfide (CdS), solid soln, with zinc sulfide, cooper and lead-dooped cooper and lead-dooped   Fatty acids, C1-41-8, cadmium salts   Cadmium, benzoate p-tert but cadmium ruthenium   Cadmium ruthenium   Cadmium ruthenium   Cadmium ruthenium   Cadmium ruthenium   Cadmium ruthenium   Cadmium solide, cadmium oxide, and ruthenium oxide in varying amounts are homeonessly and incincially interdiffused to form and solid solid in varying amounts and cobatt and cooper and silver-dooped   Sarura cadmium acidium ruthenium   Face Annex XVIII of REACH.   REACH Annex XVIII   Sarura   Cadmium solide, and ruthenium oxide, cadmium oxide, and ruthenium oxide in varying amounts are homeonessly and incincially interdiffused to form a constalline matrix   Face Annex XVIII of REACH.   REACH Annex XVIII   REACH A	iex XVII of REACH.  REACH Annex XVII  0.1%  REXCVII of REACH.  REACH Annex XVII  0.1%  REX XVII of REACH.  REACH Annex XVIII  0.1%  REX XVII of REACH.  REACH Annex XVIII  0.1%  REX XVII of REACH.  REACH Annex XVIII  0.1%				restricted under Annex XVII of REACH.	REACH Annex XVII				
Cadmium sulfide (CdS), solid soln, with zinc sulfide, cooper and lead-doped, cooper and silver-doped, cooper chloride-doped, cooper chlori	iex XVII of REACH. REACH Annex XVII	1236	68309-98-8	[[[ethylenebis[nitrilobis(met hylene)]]tetrakis[phosphon						0.1%
1238   68409-82-5   Fatty acids, C14-18, and missing matrix of the stricted under Annex XVII of REACH.   REACH Annex XVII	itex XVII of REACH. REACH Annex XVII	1237	68332-81-0	solid soln. with zinc sulfide,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Cadmium benzoate p-terts restricted under Annex XVII of REACH.   REACH Annex XVII	It that is the reaction berature calcination de, cadmium oxide, o in varying amounts and ionically a crystalline matrix lex XVII of REACH.  REACH Annex XVII  0.1%  REACH Annex XVIII  0.1%	1238	68409-82-5	Fatty acids, C14-18,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Dutyleenzoate Complexes Pyrochlore, bismuth cadmium ruthenium  An inorganic pigment that is the reaction product of high temperature calcination in which bismuth oxide, cadmium oxide, and ruthenium oxide in varying amounts are homogeneously and ionically interdiffused in form a constalline matrix.  Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and cobalt and cooper and silver-doped managenes-doped phosphate, antimony and manages-doped phosphate, antimony and manages-doped fatty acids, stall-oil, cadmium salts  1243 6885-80-1 Fatty acids, C8-18 and C18-unsaltd, cadmium and copper fatty acids, calmium salts  1246 68876-98-2 Cadmium sulfide (CdS), aluminum and silver-doped calmium sulfide (CdS), silver chloride-doped calmium sulfide (CdS	In that is the reaction perature calcination detected calcination detect	1230	68478-53-5	Cadmium, benzoate p-tert-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
cadmium ruthenium product of high temperature calcination in which bismuth oxide, cadmium oxide, and ruthenium oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix restricted under Annex XVII of REACH.  REACH Annex XVII  1241 68784-10-1  Barium cadmium calcium chloride fluoride phosphate, antimony and mananese-doped  1242 68784-55-4  Fatty acids, C8-18 and C18-unsatd, cadmium salts  1244 68876-84-6  Cadmium sulfide (CdS), all-oil, cadmium salts  1245 68876-98-2  Cadmium sulfide (CdS), all-oil restricted under Annex XVII of REACH. REACH Annex XVII  1246 68876-99-3  Cadmium sulfide (CdS), all-oil restricted under Annex XVII of REACH. REACH Annex XVII  1247 68877-00-9  Cadmium sulfide (CdS), aluminum and silver-copper cloride-doped  1248 6887-01-0  Cadmium sulfide (CdS), silver chloride-doped  1248 6887-01-0  Cadmium sulfide (CdS), silver chloride-doped  1248 6887-01-0  Cadmium sulfide (CdS), silver chloride-doped  1249 6887-01-0  Cadmium sulfide (CdS), silver chloride-doped  1240 6887-01-0  Cadmium sulfide (CdS), silver chloride-doped  1240 6887-01-0  Cadmium sulfide (CdS), silver chloride-doped  1240 68891-87-2  Cadmium sulfide (CdS), silver chloride-doped	perature calcination de, cadmium oxide, in in varying amounts and ionically a crystalline matrix lets XVII of REACH.  REACH Annex XVII  0.1%  REACH Annex XVII  0.1%  10.1	1200	00470 00 0		An inorganic pigment that is the reaction	REACH Annex XVII				0.170
1241 68784-10-1 solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped Barium cadmium calcium chloride fluoride phosphate, antimony and manganese-doped Patty acids, tall-oil, cadmium salts  1243 68855-80-1 Fatty acids, tall-oil, cadmium salts  1244 68876-84-6 Fatty acids, C8-18 and C18-unsatd., cadmium and copper-duminum and copper-duminum and copper-duminum and copper-duminum and copper-duminum and silver-definition (CdS), aluminum and silver-definition (CdS), copper chloride-doped cadmium sulfide (CdS), copper chloride-doped cadmium sulfide (CdS), cadmium sulfide (CdS), copper chloride-doped cadmium sulfide (CdS), cadmium sulfide (CdS), cadmium sulfide (CdS), copper chloride-doped cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII of REACH.	Dex XVII of REACH.  REACH Annex XVII  O.1%  Dex XVII of REACH.  REACH Annex XVIII  O.1%	1240	68479-13-0	cadmium ruthenium	product of high temperature calcination in which bismuth oxide, cadmium oxide, and ruthenium oxide in varying amounts are homogeneously and ionically					0.1%
chloride fluoride phosphate, antimony and manganese-doped mang	D.1%	1241		solid soln. with zinc sulfide, aluminum and cobalt and copper and silver-doped						0.1%
1244 68876-84-6 Fatty acids, tall-oil, cadmium saltisc festricted under Annex XVII of REACH. REACH Annex XVII  1244 68876-84-6 Fatty acids, C8-18 and C18-unsatd., cadmium Cadmium sulfide (CdS), aluminum and copper-  1245 68876-98-2 Cadmium sulfide (CdS), aluminum and solver-  1246 68877-00-9 Cadmium sulfide (CdS), copper chloride-doped Cadmium sulfide (CdS), solver chloride-doped Cadmium sulfide (CdS), copper chloride-dope	iex XVII of REACH. REACH Annex XVII 0.1%	1242	68784-55-4	chloride fluoride phosphate, antimony and	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1244 68876-84-6 Fatty acids, C8-18 and C18-unsatd., cadmium C18-unsatd., cadmium sulfide (CdS), aluminum and copper- 1246 68876-98-3 Cadmium sulfide (CdS), aluminum and silver- 1247 68877-00-9 Cadmium sulfide (CdS), copper chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH.	iex XVII of REACH. REACH Annex XVII 0.1%	1243	68855-80-1	Fatty acids, tall-oil,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1245 68876-98-2 aluminum and copper- 1246 68876-99-3 aluminum and silver- 1247 68877-00-9 Cadmium sulfide (CdS), copper chloride-doped 1248 68877-01-0 Cadmium sulfide (CdS), silver chloride-doped 1248 68877-01-0 Cadmium sulfide (CdS), copper chloride-doped 1248 68878-01-0 Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII 1249 68891-87-2 Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII	iex XVII of REACH. REACH Annex XVII 0.1%  REACH Annex XVII 0.1%  D.1%  D	1244	68876-84-6	Fatty acids, C8-18 and C18-unsatd., cadmium						0.1%
1247 68877-00-9 Cadmium sulfide (CdS), copper chloride-doped  1248 68877-01-0 Cadmium sulfide (CdS), silver chloride-doped  1248 68871-01-0 Cadmium sulfide (CdS), silver chloride-doped  1248 68871-87-2 Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII	iex XVII of REACH. REACH Annex XVII 0.1%	1245	68876-98-2	Cadmium sulfide (CdS), aluminum and copper-						0.1%
1247 68877-00-9 copper chloride-doped copper	DEX XVII of REACH.  REACH Annex XVII  0.1%	1246	68876-99-3	aluminum and silver-						0.1%
1248 68877-01-0 Cadmium sulfide (CdS), silver chloride-doped cadmium sulfide (CdS), silver chloride-doped Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII  1248 68877-01-0 Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII	iex XVII of REACH. REACH Annex XVII 0.1%	1247	68877-00-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
12/40 68801_87_2 Cadmium sulfide (CdS), restricted under Annex XVII of REACH. REACH Annex XVII	iex XVII of REACH. REACH Annex XVII  0.1%  REACH Annex XVII  0.1%  iex XVII of REACH. REACH Annex XVII  iex XVII of REACH. REACH Annex XVII	1248	68877-01-0	Cadmium sulfide (CdS),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	0.1%  iex XVII of REACH. REACH Annex XVII  iex XVII of REACH. REACH Annex XVII	1249	68891-87-2	Cadmium sulfide (CdS),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Fatty acids, tallow, restricted under Annex XVII of REACH.  1250 68953-39-9 hydrogenated, cadmium	iex XVII of REACH. REACH Annex XVII		68953-39-9	Fatty acids, tallow, hydrogenated, cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	iex XVII of REACH. REACH Annex XVII	1051	68056 91 0	Resin acids and Rosin	restricted under Annex XVII of REACH.	REACH Annex XVII				0.19/
1251   100900-01-0   acids, cadmium salts   Hydrogen [4-[(5-chloro-4- methyl-2- meth	0.1%			acids, cadmium salts Hydrogen [4-[(5-chloro-4-						
1252 68966-97-2 sulphophenyl)azo]-3- hvdroxynaphthalene-2-		1252	68966-97-2	sulphophenyl)azo]-3-						0.1%
1253 69011-69-4 Cadmium, dross restricted under Annex XVII of REACH. REACH Annex XVII		1253	69011-69-4			REACH Annex XVII				0.1%
1254 69012-21-1 Wastewater, cadmium restricted under Annex XVII of REACH. REACH Annex XVII	ex XVII of REACH   DEACH Appey XVIII			Wastewater, cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
I CHITATE BIBOTIONAIC ACID	0.1%		69012-21-1	cultate electrolytic acid						
Sulfate electrolytic, acid	0.1%	1254		sulfate electrolytic, acid Flue dust, cadmium-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	OCCUPIED DE LOUI DE LA COLLABILITA AVII				i e e e e e e e e e e e e e e e e e e e	İ	I	, !	1	U.1%
sulfate electrolytic, acid	0.176	1254			restricted under Annex XV/II of REACH	REACH Anney Y\/II		<del></del>		0.10/



		ER SOLUTIONS					Effective Date: 3-Se	:p-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1257	69029-70-5	Leach residues, cadmium- refining	Product of leaching calcine and sump tank mud from lead ore refining with sulfuric acid. Consists primarily of lead sulfate and cadmium arsenate.	REACH Annex XVII				0.1%
1258	69029-77-2	Residues, cadmium- refining	Product from the washing of sweeps and cleanings from a cadmium plant.	REACH Annex XVII				0.1%
1259	69029-90-9		Consists primarily of metallic cadmium Product of adding oxidizer to solution in the cadmium plant. Consists primarily of hydroxides of cadmium, thallium and indium and cadmium arsenate.	REACH Annex XVII				0.1%
1260	69029-91-0	Slimes and Sludges, cadmium sump tank	Product of adding sodium carbonate to solutions in the cadmium plant. Consists primarily of cadmium carbonate with lesser amounts of carbonates and hydroxides of other nonferrous metals.	REACH Annex XVII				0.1%
1261	69121-20-6	Cadmium(2+) 12- hydroxyoctadecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1262	69190-99-4	Cadmium potassium 1- (hydroxyethylidene)bispho sphonate(1:2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1263	70084-75-2	Fatty acids, C12-18, barium cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1264	71243-75-9	Cadmium selenide (CdSe), solid soln. with	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1265	71411-66-0	cadmium sulfide (R)-12-hydroxyoleic acid, barium cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1266	71861-27-3		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1267	72869-63-7	Fatty acids, coco, cadmium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1268	72968-34-4	Zircon, cadmium yellow [[N,N'-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1269	29977-13-7	ethylenebis[glycinato]](2-)- N,N',O,O']cadmium						0.1%
1270 1271	30304-32-6 31017-44-4	Cadmium isooctanoate Cadmium	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1271	31215-94-8	dodecylbenzenesulphonat Cadmium (1,1-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1273	34100-40-8	dimethylethyl)benzoate Cadmium [R-(R*,R*)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1274	34303-23-6	Cadmium didocosanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1275	36211-44-6	Cadmium 3,5,5- trimethylhexanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1276	38517-19-0	Cadmium(2+) (R)-12- hydroxyoctadecanoate Potassium [N,N-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1277	49784-42-1	bis(carboxymethyl)glycinat o(3-)-N,O,O',O']cadmate(1-						0.1%
1278	50648-02-7	Bis[N,N- bis(carboxymethyl)glycinat o(3-)]tricadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1279	51222-60-7	Boric acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1280	52337-78-7	Cadmium o-toluate Cadmium bis(4-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1281	55700-14-6	cyclohexylbutyrate)						0.1%
1282	56982-42-4 58339-34-7	Cadmium divalerate  Cadmium sulfoselenide red	restricted under Annex XVII of REACH.  This substance is identified in the Colour Index by Colour Index Constitution	REACH Annex XVII REACH Annex XVII				0.1%
1284	61789-34-2	Naphthenic acids,	Number, C.I. 77202. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1285	61951-96-0	cadmium salts Cadmium neodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1286	62149-56-8	Cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1287	63400-09-9	bis(heptadecanoate) Cadmium pentadecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1288	64681-08-9	(S)-dichloro[2-[[(2,3-dihydroxypropoxy)hydroxyphosphinyl]oxy]triethylmethylammoniumato]cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1289	93858-50-5	Bis(2-ethylhexyl mercaptoacetato - O',S)cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1290	93894-07-6	Cadmium bis(o- nonylphenolate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1291	93894-08-7	Cadmium bis(p- nonylphenolate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1292	93894-09-8	Cadmium bis[p-(1,1,3,3- tetramethylbutyl)phenolate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1293	93894-10-1	Cadmium (Z)-hexadec-9-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1294	93965-24-3	enoate Cadmium isodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1295	93965-30-1	Cadmium bis(isoundecanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1296	93983-65-4	Cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1297	94232-49-2	Cadmium tetrapentyl bis(phosphate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1298	94247-16-2	Cadmium isooctyl phthalate (1:2:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1299	94275-93-1	Cadmium (1-ethylhexyl) phthalate (1:2:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1300	94275-94-2	Cadmium octyl phthalate (1:2:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1301	94551-70-9	Leach residues, cadmium- contg. flue dust	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1302	95892-12-9	Cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



								Effective Date. 3-36	<del>op Zozz</del>
Mathematical Continue   Math	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives		Other Comments	limit (%)
1982   1982	1303	97259-82-0		restricted under Annex XVII of REACH.	REACH Annex XVII		110100013		0.1%
1985   1909-2007				restricted under Annex XVII of REACH.	REACH Annex XVII				
March   Marc			Cadmium chloride						
Mathematical Process   Proceedings   Process	1305	100402-53-7							0.1%
1971   1971   1972	1206	100656 55 1	Flue dust, copper-lead	restricted under Annex XVII of REACH.	REACH Annex XVII				0.10/
	1306	100000-00-1							0.1%
Section   Sect	1307	101012-89-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1911/2014   Projection   Proj	1308	101012-93-5	Octadecanoic acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1015   1015556   101556   10				restricted under Annex XVII of REACH.	REACH Annex XVII				
Continue with Public	1309	101012-94-6							0.1%
1975   1975				restricted under Annex XVII of REACH.	REACH Annex XVII				
101507-09   Control of Section   Control of Secti	1310	101356-99-4							0.1%
131   101557-04   Codes   set on with section of the control of the code   101557-05   Code   101557-05			(TiO2), praseodymium-	20/II ( DEAOL	5540114 1071				
1915   1915				restricted under Annex XVII of REACH.	REACH Annex XVII				
	1311	101357-00-0	cadmium sulfide, zinc						0.1%
1973   197397-02   Company and processing and pro			aluminum and copper-						
1975   1975				restricted under Annex XVII of REACH.	REACH Annex XVII				
	1312	101357-01-1	cadmium sulfide, zinc						0.1%
1913   191357-02   Code)s, and son, well control and son, and son									
Searchine multifle.crim   Codes   Sear				restricted under Annex XVII of REACH.	REACH Annex XVII				
Conference   Con	1313	101357-02-2	cadmium sulfide, zinc						0.1%
1915   19157-03   Costellar Securities and C				restricted under Annex XVII of REACH.	REACH Annex XVII				
Selection and price sulfish and and price sulfish and and price sulfish and and price sulfish and and price sulfish and and price sulfish and and price sulfish and price su	4044	101057.00.0	(CdSe), solid soln. with		The state of the s				0.40/
1935   1933-7-4-6	1314	101357-03-3							0.1%
1315   101567-64-4   Codes), solid soln, with register continues and process solid continues solid process solid continues solid process solid continues solid process s				rectricted under Appey XVIII of PEACH	DEACH Appey VVIII				
Selection and notes coulded			(CdSe), solid soln. with	restricted under Armex AVII of REACH.	REACH AIIIIex AVII				
International Confirmation and Confirm	1315	101357-04-4							0.1%
1316   102110-306   20110-30			manganese and silver-						
2016   10-00-00   2006, ungsten coide   2007   20				restricted under Annex XVII of REACH.	REACH Annex XVII				
131   102184-95   Silicia codi, procedum salt, process and process process and process proce	1316	102110-30-5	oxide, tungsten oxide						0.1%
				restricted under Annex XVII of REACH.	REACH Annex XVII				
1318   574-30-44   Acade acid, cadmium salt,   californium salt,	1317	102184-95-2							0.1%
1319   779.0-84-3   Solfius and codminist   Pestificided under Annex XVII of REACH.   REACH Annex XVII	1318	5743-04-4	Acetic acid, cadmium salt,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
13   19   19   19   19   19   19   19				restricted under Annex XVII of REACH.	REACH Annex XVII				
13-20   36968-9-0-2   Co2CD, monohydrate	1319	7790-84-3		rectricted under Appey XVIII of PEACH	DEACH Appey VV/II				0.1%
1322   84878-36-4   Cadmium   restricted under Annex XVII of REACH.   REACH Annex XVII	1320	35658-65-2	(CdCl2), monohydrate						0.1%
1825   8878-375   Cadmium tert-decanate   restricted under Annex XVII of REACH.   REACH Annex XVII									
1324   84878-48-8   Cardinum   Estricted under Annex XVII of REACH.   REACH Annex XVII									
1325 84878-51-3 1326 85117-02-8 1326 85117-02-8 1327 85117-02-8 1328 8588-15-8 1328 8588-15-8 1329 8598-31-8 1329 8598-38-7 1330 85994-31-8 1330 85994-31-8 1330 90342-19- 1331 90194-35-7 1332 90218-85-2 1333 90342-19- 1333 90342-19- 1333 90342-19- 1333 90604-89-0 1338 90604-89-0 1339 91053-44-0 1339 9									
Septiment   Sept				restricted under Anney XVII of REACH	REACH Anney XV/II				
treatment of lead concentrate in a lead bist furnace. The substance is composed of cadmium oxides, lead oxides, and impurities containing communities of afficiency in the substance is composed of cadmium oxides, lead oxides, and impurities containing communities of afficiency in the substance is composed of cadmium oxides, lead oxides, and impurities containing communities of afficiency in the substance is composed of cadmium oxides, lead oxides, and impurities containing communities of afficiency in the substance is composed of cadmium composed primarily of thallium composed primarily of cadmium composed primarily of cadmium composed primarily of cadmium cobell.     1325	1325	84878-51-3	bis(octylphenolate)						0.1%
blast furnace. The substance is composed of cadmium oxides, lead oxides, and impurities containing oxides, lead oxides, and impurities containing oxides and impurities containing oxides and impurities containing oxides and impurities containing oxides and impurities containing oxides the containing oxides and impurities containing oxides the containing oxides oxides, and impurities containing oxides the containing oxides oxides, and impurities containing oxides oxides, and impurities containing oxides oxides, and impurities containing oxides oxides, and impurities containing oxides oxides, and impurities containing oxides oxides, and impurities containing oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides, last oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides oxides, and impurities oxides, and impurities oxides, and impurities oxides, last o					REACH Annex XVII				
waste solids, cadmium- gromounds of arsenic chlorine indium chromate. Waste solids, cadmium- gromounds of arsenic chlorine indium chromate. Waste solids, cadmium- gromounds of arsenic chlorine indium chromate. Waste solids, cadmium- grown of a fatty acids, C9-11- gramphounds may also be prasent.  Fatty acids, C9-11-	1326	85117-02-8		blast furnace. The substance is					0.1%
Maste solids, cadmium   Residue obtained in the electrolysis of cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, composed primarily of thalium   Cadmium, consistence   Cadmium, composed primarily of thalium   Cadmium, consistence   Cadmium, consistence   Cadmium									
1322   85187-20-0   electrolysis, thallium-rich   cadmium, composed primarily of hallium ohromate. Other non-ferrous metals or metal compounds may also be present.			Wasta solids, cadmium	compounds of arsenic, chlorine, indium	DEACH Appey VV/II				
September   Fatty acids, C9-11-branched, cadmium salts   Fatty acids, C9-11-branched, C9-11	1327	85117-20-0			REACH Annex XVII				0.1%
1328   8558-81-5   Fatty acids, C9-11-   F	1021	00117 20 0							0.170
1329   85958-86-7   Sis(5-oxo-L-prolinato-NI,02)cadmium   Sis(5-oxo-L-prolinato-NI,02)cadmium   Sis(5-oxo-L-prolinato-NI,02)cadmium   Sis(5-oxo-L-prolinato-NI,02)cadmium   Senzenesulfonic acid, mono-C10-13-alkyl derivs, cadmium salts   Senzenesulfonic acid, cadmium salt, basic acid, cadmium salt, basic acid, cadmium salt, basic acid	1328	85586-15-8			REACH Annex XVII				0.1%
1339   35936-86-7   N1_OZ cadmium   restricted under Annex XVII of REACH.   REACH Annex XVII				restricted under Annex XVII of REACH.	REACH Annex XVII				
1331   90194-35-7   Benzenesulfonic acid, mono-C10-13-alkyl derivs, cadmium salts   Portion acid, standium salts   Portion acid, standium salts   Portion acid, standium salts   Portion acid, cadmium salt, basic   Portion				restricted under Annex XV/II of REACH	REACH Anney XV/II				
1331 90194-35-7 mono-C10-13-alkyl derivs, cadmium salts 1332 90218-85-2 Benzole acid, cadmium salts 1333 90342-19-1 Decanoic acid, branched, cadmium salts 1334 90411-62-4 Hexanoic acid, 2-ethyl-, cadmium salts 1335 90529-78-5 Propanoic acid, cadmium salts it, basic 1336 90604-89-0 Propanoic acid, cadmium salts it, basic 1337 90604-90-3 Cadmium lithopone yellow Number, C.I. 77205-11. 1338 91053-44-0 Leach residues, cadmium calke Leach residues, cadmium copper ppt.  1339 91053-46-2 Propanoic acid, cadmium cadmium salts 1330 Propanoic acid, cadmium salts cadmium salts basic restricted under Annex XVII of REACH. REACH Annex XVII calculated the colour ladex Constitution Number, C.I. 77205-11. 1338 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1339 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1339 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1339 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1339 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1330 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1330 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1330 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1330 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1330 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1330 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1331 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1331 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 77205-11. 1332 Propanoic acid, cadmium calculated and the colour ladex Constitution Number, C.I. 7	1330	85994-31-6	N1,O2)cadmium						0.1%
Cadmium salts   Senzolo acid, cadmium salts   Senzolo acid, cadmium salts, basic   Decanoic acid, branched, cadmium salts   Petanoic acid, branched, cadmium salts   Petanoic acid, branched, cadmium salts   Petanoic acid, cadmium salt, basic   Propanoic ac	1331	90194-35-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1332   90216-85-2   salt, basic   Decanoic acid, branched, cadmium salts   Decanoic acid, branched, cadmium salts   Decanoic acid, cadmium salts   Decano			cadmium salts	restricted under Anney YV/II of DEACH	PEACH Appey VVIII				
1334 90411-62-4 Hexanoic acid, 2-ethyl-, cadmium salts Propanoic acid, cadmium salt, basic Propanoic acid, cadmium salt, basic Propanoic acid, cadmium salt, basic Propanoic acid, cadmium salt, basic REACH Annex XVII of REACH.  1336 90604-89-0 Cadmium zinc lithopone yellow Index by Colour Index Constitution Number, C.I. 77205:1.  1337 90604-90-3 Cadmium lithopone yellow Index Constitution Number, C.I. 77199:1.  1338 91053-44-0 Leach residues, cadmium cake Leach residues, zinc ore-calcine, cadmium-copper ppt.  1339 91053-46-2 Popt.  1339 91053-46-2 Insoluble material precipitated by hydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt, Popt.  1339 91053-46-2 Popt.  1330 Popt. Popanoic acid, 2-ethyl-, restricted under Annex XVII of REACH. REACH Annex XVII Popt.  1330 Popt. Popt. REACH Annex XVII Popt. REACH Annex XVII Popt. REACH Annex XVII Popt. REACH Annex XVII Popt.	1332	90218-85-2	salt, basic						0.1%
1334   90411-62-4   Hexanoic acid, 2-ethyl-cadmium salt, basic   Propanoic acid, cadmium salt, basic   Pro	1333	90342-19-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1335 90529-78-5 Propanoic acid, cadmium salt, basic restricted under Annex XVII of REACH. REACH Annex XVII	1334	90411-62-4	Hexanoic acid, 2-ethyl-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Salt, Dasic   Cadmium zinc lithopone   Salt, Dasic   Cadmium zinc lithopone   Salt, Dasic   Cadmium zinc lithopone   Salt, Dasic   Salt, Das	1335	90529-78-5	Propanoic acid, cadmium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1336   90604-89-0   yellow   Index by Colour Index Constitution   Number, C.I. 77205:1.   This substance is identified in the Colour Index Constitution   Number, C.I. 77199:1.   Cadmium lithopone yellow   Index by Colour Index Constitution   Number, C.I. 77199:1.   Calcine, cadmium   restricted under Annex XVII of REACH.   REACH Annex XVII	1000	55525-10-5		This substance is identified in the Colour	REACH Anney XV/II				5.170
1337 90604-90-3 Cadmium lithopone yellow Index by Colour Index Constitution Number, C.I. 77199:1.  1338 91053-44-0 Leach residues, cadmium cake  Leach residues, zinc ore-calcine, cadmium-copper ppt.  Leach residues, zinc ore-calcine, cadmium-copper ppt.  Consists primarily of cadmium, cobalt, Consists primarily consists primarily of cadmium, cobalt, Consists primaril	1336	90604-89-0		Index by Colour Index Constitution	REAGITAINGS AVII				0.1%
1337 90604-90-3 Index by Colour Index Constitution Number, C.I. 77199:1.  1338 91053-44-0 Leach residues, cadmium cake Leach residues, zinc orecalcine, cadmium-copper ppt.  1339 91053-46-2 Ppt.  Index by Colour Index Constitution Number, C.I. 77199:1.  REACH Annex XVII REACH Annex XVII Phydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt,			Cadmium lithopone vellow		REACH Annex XVII				
1338 91053-44-0 Leach residues, cadmium restricted under Annex XVII of REACH. REACH Annex XVII 0.1%  Leach residues, zinc ore- calcine, cadmium-copper ppt. Insoluble material precipitated by hydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt,	1337	90604-90-3		Index by Colour Index Constitution					0.1%
Leach residues, zinc ore- calcine, cadmium-copper ppt.  1339 91053-46-2 ppt.  Leach residues, zinc ore- calcine, cadmium-copper ppt.  Insoluble material precipitated by REACH Annex XVII hydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt,	1338	91053-44-0			REACH Annex XVII				0.1%
1339 91053-46-2 calcine, cadmium-copper ppt. hydrolysis during hydrometallurgical treatment of crude zinc sulfate solution. Consists primarily of cadmium, cobalt,	.000	0.000 44-0		Insoluble material precipitated by	REACH Annex XVII				3.170
Consists primarily of cadmium, cobalt,	1000	04050 40 0	calcine, cadmium-copper	hydrolysis during hydrometallurgical					0.40/
	1339	91053-46-2	ppt.						0.1%
	<u> </u>								



							Communican		
1987-25   Page 2006   Page 2	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1975   1975				restricted under Annex XVII of REACH.	REACH Annex XVII				
1982   1985	1340	91697-35-7	, ,						0.1%
2007-1-0	1341	92257-06-2	Fatty acids, C8-10-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1922   1922	10-11	32207 00 2		Sponge produced by leaching and	REACH Anney YV/II				0.170
	1342	92257-11-9	refining flue dust, cadmium	precipitating cadmium and thallium	REAGITAINEX XVII				0.1%
1965   1960-124	.0.2	02201 11 0	thallium ppt.						0.170
1979   1979	1343	92704-12-6			REACH Annex XVII				0.1%
Section   Sect				restricted under Annex XVII of REACH	REACH Annex XVII				
	1344	92704-15-9	cadmium salts						0.1%
1987   1982-200	1345	92704-19-3		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Page   Page	1346	92704-24-0	Fatty acids, rape-oil,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
15.77   15.75   15.7	.0.0	02.0.2.0		restricted under Anney XVII of REACH	REACH Anney YV/II				0.170
19.08   19.08.09-09	1347	92797-28-9	C18-unsatd., branched and linear, hydrogenated,		TALENOTT AUTION AVII				0.1%
1948   1942-0-40	13/18	03686-40-0	Nonanoic acid, branched,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1935   68664-67   Colore   C				restricted under Anney XV/II of REACH	DEACH Appey VV/II				
1.00			·						
Section   Control   Cont	1350	10326-28-0	salt, hexahydrate						0.1%
	1351	654054-66-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	1352	7790-78-5	Cadmium chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1952   1952-250   2015-105 (Ammonum State Stat				restricted under Annex XVII of REACH	REACH Annex XVII				
1926   1926-1932   Conforming proproposable   Proproced under Annex XVII of REACH   REACH Annex XVII	1353	18532-52-0	chloride (Ammonium	The state of the s					0.1%
2496-195	1354	10262-02 2		restricted under Annex XVII of REACH	REACH Annex XVII				0.1%
1356   25867-750   International Control of Control Control of Control Contr									
2975-698   2975-698	1355	22465-18-5							0.1%
1975   2979-8-98-9	1356	25685-75-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1368   3093-32-H			carboxylato)-, polymers						
1988   3933-28-1   Implementation processed and processed processed processed and processed pr	1357	29736-89-8	•						0.1%
1958   3713-86-5   Ophophyric acid, barum   settinded under Annex XVII of REACH   REACH Annex XVII   REACH	1358	30363-28-1		restricted under Armex AVII of REACH.	REACH Annex XVII				0.1%
1,599   21/38-74-5    21/38-				restricted under Appey VVIII of DEACH	DEACH Asset VVIII				
1386   21328-74-9	1359	37131-86-5		restricted under Armex AVII of REACH.	REACH Annex XVII				0.1%
13-90-1976			Cadmium, (29H,31H-	restricted under Annex XVII of REACH.	REACH Annex XVII				
Ab   1544-38-6   171, https://doi.org/10.158-4-3   171, https://doi.org/10.158-4   171, http	1360	21328-74-5							0.1%
136   1934-1950   137   1364-1941   1364			aN31,kappaN32)-, (SP-4-						
1982   9879-9-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	1361	15244-35-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1365   1345-94-00-00   Gadmium perchiorate (admium perchiorate (admium perchiorate)	1362	89759-80-8		restricted under Annex XVII of REACH.					0.1%
1986   7490-00-0   Candinum perchiborate hydrate hyd	1363	13464-92-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1866   14518-94-6   Cadmium bromate   restricted under Annex XVII of REACH   REACH Annex XVII	136/	70/00-00-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1.566   1728-28-82-7   Ziron, cadmium ridd   restricted under Annex XVII of REACH.   REACH Annex XVII				restricted under Appey VVIII of DEACH	DEACH Assess VVIII				
1367   592-02-9   Cadmium, diethyl-   estricted under Annex XVII of REACH.   REACH Annex XVII									
1388   1129-14-9   Cadmium ainc sulfide   Cadmium mercury sulfide   Cadmium mercury sulfide   Cadmium mercury sulfide   Cadmium mercury sulfide   Cadmium			,						
1370   20648-91-3   Dipotassium   estricted under Annex XVII of REACH.   REACH Annex XVII			Cadmium zinc sulfide	restricted under Annex XVII of REACH.					
1370   2698-91-3   etrachtorocadmate(2-)   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and manganese-dooed   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and manganese-dooed   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and manganese-dooed   Cadmium sulfide (CdS), solid soln, with zinc sulfide, solid soln, with zinc sulfide, coper and manganese-dooed   Cadmium sulfide (CdS), solid soln, with zinc sulfide, solid soln, with zinc sulfide, coper and manganese-dooed   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and iller-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and iller-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and iller-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and iller-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, solid soln, with			Cadmium mercury sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				
September   Sept	1370	20648-91-3		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Cadmium sulfice (CdS), solid solin, with zinc sulfide, copper and manganese- dosed.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, solid solin, with zinc sulfide, sincked and silver-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid solin, with zinc sulfide, silver chloride-doped.  Dihydrogen  Dihydrogen  Dihydrogen  Dihydrogen  Dihydrogen  Dihydrogen  Dihydrogen  Dihydrogen  Solid solin, with zinc sulfide, silver chloride-doped.  Cadmium sulfide (CdS), solid sol		68512-49-2	Cadmium sulfide (CdS), solid soln. with zinc sulfide,	restricted under Annex XVII of REACH.	REACH Annex XVII				
solid soln, with zinc sulfide, coper and manganese-solid soln, with zinc sulfide, solid soln, with zinc sulfide, solid soln, with zinc sulfide, solid soln, with zinc sulfide, coper and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid solid, solid solid solid, solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid solid				restricted under Annex XV/II of REACH	REACH Anney X\/II				
copper and manganese- donose	1372	68512 <u>-</u> 50 5	\ , ,.	AND AND AND AND AND AND AND AND AND AND	REAGITAINES AVII				0.1%
Cadmium sulfide (CdS), solid soln, with zinc sulfide, aluminum and copper (Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, nickel and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, nickel and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, nickel and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, nickel and silver-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped (Cadmium sulfide (CdS), solid soln, with zinc sulfide, solid soln, with zinc sulfide, copper and nickel-doped (CdS) (CdS	13/2	00012-00-0	copper and manganese-						0.1%
1373   68512-51-6   solid soln, with zinc sulfide, soluminum and coopers   Cadmium sulfide (CdS), solid soln, with zinc sulfide, cooper and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, nickel and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, nickel and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, soluminum and silver, aluminum and silver, cadmium sulfide (CdS), solid soln, with zinc sulfide, soluminum and silver, aluminum and silver, cadmium sulfide (CdS), solid soln, with zinc sulfide, soluminum and silver, aluminum and silver, aluminum and silver, aluminum and silver, cadmium sulfide (CdS), solid soln, with zinc sulfide, soluminum and silver, aluminum and s				restricted under Annex XVII of REACH.	REACH Annex XVII				
Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, inckel and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, inckel and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, inckel and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium sulfide (CdS), solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Cadmium solid Cadmium	1373	68512-51-6	solid soln. with zinc sulfide,						0.1%
1375   68583-43-7   Solid soln, with zinc sulfide, copper and silver-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped   Cadmium chloride   Cadmium chloride   Cadmium chloride   Cadmium chloride   Cadmium chloride   Cadmium sulfide (CdS), solid soln, with zinc sulfide, solid				restricted under Annex XVII of REACH.	REACH Annex XVII				
Cadmium sulfide (CdS), solid soln. with zinc sulfide, nickel and silver-doped Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln. with zinc sulfide, silver chloride-doped plannium and silver-copper and nickel-doped plannium in the copper and nickel-doped plannium silver-copper and n	1374	68583-43-7	solid soln. with zinc sulfide,						0.1%
1375 68583-44-8 solid soln, with zinc sulfide, nickel and silver-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, coper and nickle-doped cadmium sulfide (CdS), solid soln, with zinc sulfide, solid solid solid solid solid solid soln, with zinc sulfide, solid				restricted under Annex XVII of REACH.	REACH Annex XVII				
Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, silver chloride-doped Cadmium sulfide (CdS), solid soln, with zinc sulfide, aluminum and silver- Cadmium sulfide (CdS), solid soln, with zinc sulfide, aluminum and silver- Cadmium sulfide (CdS), solid soln, with zinc sulfide, solid soln, with zinc sulfide, solid soln, with zinc sulfide, copper and nickel-doped Dihydrogen Dihydroge	1375	68583-44-8	solid soln. with zinc sulfide,						0.1%
1376 68583-45-9 solid soln. with zinc sulfide, silver chloride-doped 1377 68584-41-8 solid soln. with zinc sulfide, aluminum and silver- 1378 68584-42-9 solid soln. with zinc sulfide, cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped bis[hydroxysuccinato(2-)-01,02,04[cadmate(2-)-01,02,04[cadmate(2-)-01,02,04]cadmate(2-)-01,02,04[cadmate(2-)-01,02,04]cadmate(2-)-01,02,04[cadmate(2-)-01,02,04]cadmate(2-)-01,02,04[cadmate(2-)-01,02,04[cadmate(2-)-01,02,04]cadmate(2-)-01,02,04[cadmate(2-)-01,04[cadm				restricted under Annex XVII of REACH	REACH Annex XVII				
Cadmium sulfide (CdS), solid soln. with zinc sulfide, aluminum and silver- aluminum and silver- copper and nickel-doped Dihydrogen Dihydrogen Dihydroxysuccinato(2-)- O1.O2.O4lcadmate(2-)  Trisp9-06-9	1376	68583-45-9	solid soln. with zinc sulfide,	THE STATE OF THE S					0.1%
1377 68584-41-8 solid soln. with zinc sulfide, aluminum and silver- Cadmium sulfide (CdS), restricted under Annex XVII of REACH.  1378 68584-42-9 50lid soln. with zinc sulfide, copper and nickel-doped copper and nickel-doped bis[hydroxysuccinato(2-)-01,02,04]cadmate(2-)  1380 22750-54-5 Cadmium chlorate restricted under Annex XVII of REACH.  1381 71599-06-9 72-10-10-10-10-10-10-10-10-10-10-10-10-10-				restricted under Anney XV/II of REACH	REACH Anney Y\/II				
Cadmium sulfide (CdS), solid soln. with zinc sulfide, copper and nickel-doped  Tricosanoic acid, cadmium salt  Cadmium sulfide (CdS), solid soln. with zinc sulfide, solid soln. with zinc sulfide, copper and nickel-doped  Dihydrogen Dihydroxysuccinato(2-)-Dilydroxysuccinato(2	1377	68584-41-8	solid soln. with zinc sulfide,	AND AND AND AND AND AND AND AND AND AND	REAGITAINES AVII				0.1%
1378 68584-42-9 solid soln. with zinc sulfide, copper and nickel-doped Dihydrogen bis[hydroxysuccinato(2-)-01,02,04 cadmate(2-)			aluminum and silver-	restricted under Appear VV/II of DEACH	DEACH Assoc VVIII				
copper and nickel-doped Dihydrogen bis[hydroxysuccinato(2-) O1,O2,O4lcadmate(2-)  1380 22750-54-5 Cadmium chlorate restricted under Annex XVII of REACH.  1381 71599-06-9 Ponocotadecyl ester, cadmium salt  1382 76835-97-7 22-Tricosenoic acid, cadmium salt  1383 116854-17-2 Tetracosanoic acid, cadmium salt  1384 116920-59-3 Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium salt  Tricosanoic acid, cadmium restricted under Annex XVII of REACH.  REACH Annex XVII  0.1%	1378	68584-42-9		TESTICIEU UTUET ATITIEX AVII OI REACH.	NEACH ANNEX AVII				0.1%
1379 71436-99-2 bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmate(2-) bis[hydroxysuccinato(2-)-01.02.04 cadmit colored col			copper and nickel-doped	restricted under Assess VIIII ( DEAC)	DEACH A				
1380   22750-54-5   Cadmium chlorate   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%	1379	71436-99-2		restricted under Annex XVII of REACH.	KEACH Annex XVII				0.1%
2-Butenedioic acid (Z)-, monooctadecyl ester, cadmium salt 71599-06-9 72-Tricosanoic acid, cadmium salt 76835-97-7 72-Testricted under Annex XVII of REACH. REACH Annex XVII 71682-17-2 8-1-2 8-			O1,O2,O4]cadmate(2-)						
1381   71599-06-9   monooctadecyl ester, cadmium salt	1380	22750-54-5							0.1%
tage to the cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt cadmium salt Tetracosanoic acid, cadmium salt	1381	71599-06-9		restricted under Annex XVII of REACH.	KEACH Annex XVII				0.1%
1384 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH. REACH Annex XVII of REACH.			cadmium salt		DE LOUI				
1383 116854-17-2 Tetracosanoic acid, restricted under Annex XVII of REACH. REACH Annex XVII  1384 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII  1385 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII  1386 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII  1387 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII  1388 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII  1389 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVIII  1389 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVIII  1389 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVIII  1389 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVIII	1382	76835-97-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1384 116920-59-3 Tricosanoic acid, cadmium restricted under Annex XVII of REACH. REACH Annex XVII 0.1%	1383	116854-17-2	Tetracosanoic acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
13841 110920-39-3 1				restricted under Annex XVII of REACH	REACH Annex XVII				
	1384	116920-59-3		The state of the s					0.1%



								Ellective Date. 3-36	
	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives		Other Comments	limit (%)
	1385	10060-09-0		restricted under Annex XVII of REACH.	REACH Annex XVII		110100010		0.1%
1-4459-97				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
100   100-00-00-00-00-00-00-00-00-00-00-00-00-				restricted under Annex XVII of REACH.	REACH Annex XVII				
	1387	14429-85-7		restricted under Appear XV/II of REACH					0.1%
1980   1980-1984	-		hexachloride						0.1%
2005-00-10-10-10-10-10-10-10-10-10-10-10-10-									0.1%
1909   2004-77-2   Column distinct memory and in PRACH   REACH Amer. XVIII			Cadmium sodium						0.1%
2002-04-42   Collection of Indicated Indicat				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1965   3542-77-6	1394	30623-04-2	Potassium sulfate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Section				restricted under Annex XVII of REACH.	REACH Annex XVII				
1907   2003-25-7   Polissonium sulfate   International Conference Vision (REACH, Int			sodium						0.1%
	_								0.1%
1999   3434-5-39-6   Cadminum subline caresistant presentation under Annex XVIII of REACH.   REACH Annex XVIII	1398	32593-99-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1400   38989-393   Section of the Property o	1399	34345-39-6	Cadmium sulfate caesium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1402   6941-39-4				restricted under Anney XVII of REACH	REACH Annex XVII				
1402   6841-99-4   Cylle (Cylle) (Cy	1401	77289-75-9	magnesium						0.1%
	1402	68441-39-4	(phenylamino)-, sulfate	restricted under Annex XVII of REACH.	KEACH Annex XVII				0.1%
1409   8878-90.7			formaldehyde, cadmium	restricted under Annex XVIII of REACH	REACH Anney X\/II				1
1406   88876-90-4   source (Fa2(CLZn)SI), management colored of the processor of the proc	1403	68784-58-7	(Cd3(BO2)4O), manganese-doped						0.1%
405   68964-18-7   Cadmum Bustant   restricted under Annex XVII   REACH Annex XVII	1404	68876-90-4	sulfide (Ba2(Cd,Zn)S3),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1407   6902-98-96   Silmes and Studyses   restricted under Annex XVII of REACH   REACH Annex XVII	1405	68954-18-7	Cadmium laurate,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1408   720-60-85   Cadmium selectrolytic   Cadmium childred   Cadmiu	1406	69011-70-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1408   70206-08-5   Cadmium chloride (CICCE). Estandardials   restricted under Annex XVII of REACH.   REACH Annex XVII	1407	69029-89-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1410   72276-93-5	1408	70206-08-5	Cadmium chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1410   72589-96-10   Cadmium roin-chindred   restricted under Annex XVII of REACH.   REACH Annex XVII				restricted under Annex XVII of REACH.	REACH Annex XVII				
1411 72889-26-2 (CidZn)S), combat and compensations of the properties of the propert			imidazole-kappaN3)-	restricted under Appey XV/II of PEACH	DEACH Appey VVIII				0.1%
1412   7999-52-6   Nitro acid, cadmium salt, hordrate   Nitro acid, cadmium salt, decade; with the serviced under Annex XVII of REACH.   REACH Annex XVII   decade; with the serviced under Annex XVII of REACH.   REACH Annex XVII   destricted under Annex XVII   destricted under Annex XVII   destricted under Annex XVII   destricted under Annex XVII   destricted under Annex XVII   destricted under An	1410	72589-96-9							0.1%
1413   8688-00-22-b   New Total Control of the Co	1411	72869-26-2	copper-doped	10 10 10 10 10 10 10 10 10 10 10 10 10 1	22.00				0.1%
3508-95-02-2   30-35-1   1414   37835-30 - Petatorical caid, 2-propyl-   1415   29870-72-2   Cadmium mercury telluride   1416   1415   29870-72-2   Cadmium mercury telluride   1416	1412	79990-52-6	hydrate						0.1%
1415   28970-72-2   Cadmium mercury telluride   estricted under Annex XVII of REACH.   REACH Annex XVII	1413	85688-00-2		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1415 29870-72-2 Cadmium metroury telluride frestricted under Annex XVII of REACH.  1416 35803-35-1  1417 49784-44-3  1418 61129-40-6  1419 99587-10-7  1410 12139-22-9  1410 12139-22-9  1420 12139-22-9  1421 12213-70-6  1422 13477-20-8  1422 13477-20-8  1424 13477-22-0  1425 13760-37-7  1426 14520-70-8  1427 1360-62-1  1428 16984-36-4  1429 17033-07-7  1420 17329-38-5  1421 1929-40-6  1422 13700-30-7  1423 1360-62-1  1424 15600-62-1  1425 13700-37-7  1426 16984-36-4  1427 15600-62-1  1428 16984-36-4  1429 17033-07-7  1430 17329-38-5  1431 17329-38-5  1755100-100-1000-1000-1000-1000-1000-100	1414	87835-30-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
thytopen in the property of th	1415	29870-72-2	Cadmium mercury telluride		REACH Annex XVII				0.1%
4-1			ethylenebis[N-	restricted under Annex XVII of REACH.	REACH Annex XVII				
Hydrogen [NN-bickgrothympty]lglycinat o(3-1-N.O.O.O") cadmate Barium di-p. festricted under Annex XVII of REACH. REACH Annex XVII	1416	35803-35-1	4-)- N,N',O,O',ON,ON']cadmat						0.1%
1418   61129-40-6   Barlum di-µ-	-+		Hydrogen [N,N-	restricted under Annex XVII of REACH.	REACH Annex XVII				<del>                                     </del>
1418   61129-40-6   chlorotetrachlorodicadmate   6(2-)	1417	49784-44-3	o(3-)-N,O,O',O"]cadmate	rectricted under Appey VV/II of REACH	DEACH Assor VV				0.1%
1420 12139-22-9 Cadmium peroxide restricted under Annex XVII of REACH. REACH Annex XVII (Cd2seS) 1421 12213-70-6 (Cd2seS) 1422 13477-20-8 (Cd2seS) 1422 13477-20-8 (Cd2seS) 1423 13477-21-9 Cadmium sulfate, tetrahydrate Sulfucia addium sulfate, tetrahydrate (Ci.1), heptahydrate (Ci.1), heptahydrate (Ci.1), heptahydrate (Ci.7CI) 1424 13477-22-0 (Cadmium perchiorate (ECI.7CI) 1425 13760-37-7 (Cadmium perchiorate (ECI.7CI) 1426 14520-70-8 Phosphoric acid, ammonium cadmium salt 1427 15600-62-1 Cadmium diphosphate (Dispersional of the sulfate) Dispersional of the sulfate (Col.7CI) 1428 16984-36-4 Dispersional of the sulfate (Col.7CI) 1429 17033-07-7 Octadecanoic acid, barium cadmium salt (Col.7CI) 1430 17329-48-5 UNDECANSAEURE-CD-SALZ (Col. 2000	1418	61129-40-6	chlorotetrachlorodicadmat e(2-)						0.1%
1420   12139-22-9   Cadmium peroxide   restricted under Annex XVIII of REACH.   REACH Annex XVIII	1419	99587-10-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1421 12213-70-6 (Cd2SeS) 1422 13477-20-8 (Cadmium mesosulfate (CdH2SoS) (7CI) 1423 13477-21-9 (Cadmium sulfate, tetrahydrate (1:1), heptahydrate (	1420	12139-22-9	Cadmium peroxide						0.1%
1422 13477-20-8 (CdH2SO5) (7CI) 1423 13477-21-9 Cadmium sulfate, testricted under Annex XVII of REACH. 1424 13477-22-0 Sulfuric acid, cadmium salt restricted under Annex XVII of REACH. 1425 13760-37-7 Cadmium perhlorate (6CI,7CI) 1426 14520-70-8 Phosphoric acid, ammonium cadmium salt restricted under Annex XVII of REACH. 1427 15600-62-1 Cadmium diphosphate restricted under Annex XVII of REACH. 1428 16984-36-4 D-Glucopyranose, 4-O-a-D-glucopyranose, -O-a-D-glucopyranosyl- 1429 17033-07-7 Cotadecanoic acid, barium cadmium salt cadmium salt under Annex XVII of REACH. 1430 17329-48-5 SALZ 1431 Monomethyl-dichloro-diphenyl methane Trade	1421	12213-70-6	(Cd2SeS)						0.1%
1424 13477-21-9 Cadmium sulfate, tetrahydrate restricted under Annex XVII of REACH. REACH Annex XVII sulfuric acid, cadmium salt (1:1), heptahydrate restricted under Annex XVII of REACH. REACH Annex XVII (1:1), heptahydrate restricted under Annex XVII of REACH. REACH Annex XVII (1:1), heptahydrate restricted under Annex XVII of REACH. REACH Annex XVII (6CI,7CI) Phosphoric acid, ammonium cadmium salt restricted under Annex XVII of REACH. REACH Annex	1422	13477-20-8	Cadmium mesosulfate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1424 13477-22-0 Sulfuric acid, cadmium salt (1:1), heptahydrate  1425 13760-37-7 Cadmium perchlorate (6CI,7CI)  1426 14520-70-8 Phosphoric acid, ammonium cadmium salt cadmium diphosphate  1427 15600-62-1 Cadmium diphosphate  1428 16984-36-4 D-Glucopyranose, 4-O-α-D-glucopyranosyl-  1429 17033-07-7 Cotadecanoic acid, barium cadmium salt  1430 17329-48-5 UNDECANSAEURE-CD-SALZ  Monomethyl-dichlorodiphenyl methane Trade  Sulfuric acid, cadmium salt restricted under Annex XVII of REACH. REACH Annex XVII  REACH Annex XVIII	1423	13477-21-9	Cadmium sulfate,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1426 14520-70-8 Phosphoric acid, ammonium cadmium salt 15600-62-1 Cadmium diphosphate Polyucopyranosyl- Octadecanoic acid, barium cadmium salt 17033-07-7 Cadmium salt 17329-48-5 UNDECANSAEURE-CD- glucopyranosyl- Monomethyl-dichlorodiphenyl methane Trade Phosphoric acid, ammonium cadmium salt restricted under Annex XVII of REACH. REACH Annex XVII of REACH.	1424	13477-22-0	Sulfuric acid, cadmium salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1426 14520-70-8 Phosphoric acid, ammonium cadmium salt restricted under Annex XVII of REACH. REACH Annex XVII   1427 15600-62-1 Cadmium diphosphate restricted under Annex XVII of REACH. REACH Annex XVII   1428 16984-36-4 D-Glucopyranose, 4-O-a-D-glucopyranosyl-   1429 17033-07-7 Octadecanoic acid, barium restricted under Annex XVII of REACH. REACH Annex XVII   1430 17329-48-5 SALZ   1431 Whonomethyl-dichlorodiphenyl methane Trade restricted under Annex XVII of REACH. REACH Annex XVII   1431 REACH Annex XVII   1431 REACH Annex XVII   1442 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1443 REACH Annex XVII   1444 REACH Annex XVII   1450 REACH Annex XVII   1451 REACH Annex XVII   1451 REACH Annex XVII   1550 REACH Annex XV	1425	13760-37-7	Cadmium perchlorate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1427 15600-62-1 Cadmium diphosphate restricted under Annex XVII of REACH. REACH Annex XVII  1428 16984-36-4 D-Glucopyranose, 4-O-α- restricted under Annex XVII of REACH. REACH Annex XVII  1429 17033-07-7 Octadecanoic acid, barium restricted under Annex XVII of REACH. REACH Annex XVII  1430 17329-48-5 UNDECANSAEURE-CD- restricted under Annex XVII of REACH. REACH Annex XVII  1431 diphenyl methane Trade  REACH Annex XVII   REACH Annex XVIII  REACH Annex XVIII	1426	14520-70-8	Phosphoric acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1429 17033-07-7 Octadecanoic acid, barium restricted under Annex XVII of REACH.  1430 17329-48-5 UNDECANSAEURE-CD- restricted under Annex XVII of REACH.  1431 Monomethyl-dichloro- diphenyl methane Trade				restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1429 17033-07-7 Octadecanoic acid, barium restricted under Annex XVII of REACH. REACH Annex XVII  1430 17329-48-5 UNDECANSAEURE-CD- sALZ  Monomethyl-dichloro-diphenyl methane Trade  Monomethyl-methane Trade	1428	16984-36-4		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1430 17329-48-5 UNDECANSAEURE-CD- setricted under Annex XVII of REACH. REACH Annex XVII  Monomethyl-dichloro- diphenyl methane Trade restricted under Annex XVII of REACH. REACH Annex XVII  REACH Annex XVII  REACH Annex XVII	1429	17033-07-7	Octadecanoic acid, barium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
Monomethyl-dichloro- diphenyl methane Trade  SALZ  Monomethyl-dichloro- restricted under Annex XVII of REACH. REACH Annex XVII			UNDECANSAEURE-CD-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
diphenyl methane Trade	1-1-00	11023-40-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.170
	1431		diphenyl methane Trade						0.1%
21   Nickel and its									<u> </u>
1432 7440-02-0 Nickel This substance is used in the following REACH Annex XVII	1/122	7440-02 0		This substance is used in the following	REACH Annex XVII				0.1%
1432	1432	1 44U-UZ-U	<u> </u>		<u> </u>				U.1%



No. 1433	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	lime it (0/)
				_o .toguiaiioii	LO DII COLLVES	Protocols	Other Comments	limit (%)
	12142-88-0	Nickel telluride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1434	12142-92-6	Nickel, compound with zirconium (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1435	12168-54-6	Diiron nickel tetraoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1436	12170-92-2	Di-μ-carbonylbis(η5-2,4- cyclopentadien-1-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1437	12175-27-8	Dysprosium, compound with nickel (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1438	12196-72-4	Lanthanum, compound	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1439	12201-89-7	with nickel (1:5) Nickel disilicide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1435	12201-09-7	Trinickel bis[tetracosa-µ-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.176
1440	12263-13-7	oxododecaoxo[µ12- [phosphato(3-)- O:O:O:O':O':O'':O'':O'':O''':O''':O'''						0.1%
1441	12503-49-0	Antimony, compound with	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1442		nickel (1:3) Trihydrogen hydroxybis[orthosilicato(4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1442	12313-03-0	)]trinickelate(3-)						0.170
1443	12607-70-4	[carbonato(2- )]tetrahydroxytrinickel	This substance is used in the following products: metal surface treatment products. And used for the manufacture of: electrical, electronic and optical equipment and machinery and vehicles.	REACH Annex XVII			Other release to the environment of this substance is likely to occur from: indoor use.	0.1%
1444	12653-76-8	Nickel titanium oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1445	12688-64-1	Bismuth, compound with nickel (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1446	12794-26-2	Bis(1-nitroso-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1447	13001-15-5	naphtholato)nickel Nickel(2+) oleate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1448	70824-02-1	Bis(5-oxo-L-prolinato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		N1,O2)nickel Bis(3-amino-4,5,6,7-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1449	70833-37-3	tetrachloro-1H-isoindol-1- one oximato-N2,O1)nickel						0.1%
1450	71243-96-4	Trisodium [22-[[[3-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]phenyl]a mino]sulphonyl]-29H,31H-phthalocyanine-1,8,15-trisulphonato(5-)- N29,N30,N31,N32]nickelat e(3-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1451	71631-15-7	Nickel iron chromite black spinel	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77504.	REACH Annex XVII				0.1%
1452	71720-48-4	Ethyl hydrogen sulphate,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1453		nickel(2+) salt Nickel uranyl tetraacetate, of uranium depleted in	uranium compounds with the exception of those specified elsewhere in this	REACH Annex XVII				0.1%
1400	71707 12 3	uranium-235 [µ-(piperazine-	Annex restricted under Annex XVII of REACH.	REACH Annex XVII				0.170
1454	71889-22-0	N1:N4)]bis[3-[1-[(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl))hydrazono]ethyl]quinolin						0.1%
1455	71957-07-8	Bis(D-gluconato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		O1,O2)nickel Dihydrogen hexasodium	restricted under Annex XVII of REACH.	REACH Annex XVII				+
1456	72139-08-3	bis[3-[(2-amino-8-hydroxy-6-sulpho-1-naphthyl)azo]-2-hydroxy-5-sulphobenzoato(5-						0.1%
1457	72152-45-5	Nickelate(6-), [22-[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-]3-sulfo-4-[2-[2-sulfo-4-[(2,5,6-trichloro-4-pyrimidinyl)amino]phenyl]e thenyl]phenyl]-1H-pyrazol-4-yl[azo]-4-sulfophenyl]amino]sulfonyl]-29H,31H-phthalocyanine-1,8,15-trisulfonato(8-)-N29,N30,N31,N32]-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1458	72229-81-3	chloro-1,3,5-triazin-2- yl)amino]phenyl]amino]sul phonyl]tris(aminosulphonyl )-29H,31H- phthalocyaninetrisulphonat o(5-)- N29,N30,N31,N32]nickelat e(3-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1459	72828-53-6	Nickel, [29H,31H- phthalocyaninato(2-)- N29,N30,N31,N32]-, [[3- [(1,3-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1460	72986-45-9	dihydro-3-methyl-5-oxo-1H- pyrazol-1-yl)phenyl]- 29H,31H- phthalocyaninetetrasulpho namidato(2-)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1461	73892-02-1	Antimony oxide (Sb2O3), solid soln. with nickel oxide (NiO) and titanium oxide (TiO2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



		ER SOLUTIONS					Effective Date: 3-Se	,p-2022
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
		Bis[N-(2-hydroxyethyl)-N-	restricted under Annex XVII of REACH.	REACH Annex XVII		Protocols		
1462	76625-10-0	methylglycinato- N,O,ON]nickel						0.1%
			restricted under Annex XVII of REACH.	REACH Annex XVII				
		4- sulphophenyl)amino]sulph						
1463	79102-62-8	onyl]-29H,31H-						0.1%
		phthalocyaninetrisulphonat o(6-)-						
		N29.N30.N31.N32Inickelat	and the decided and a second VVIII of DEACH	DEAGLIA				
		5-methyl-2-phenyl-3H-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1464	79121-51-0	pyrazol-3-onato-						0.1%
		O,O')(2,2,4,4-tetramethyl-7- oxa-3,20-						
		diazadispiro[5.1.11.2]henic Trisodium [5-[(4,5-dihydro-	restricted under Annex XVII of REACH.	REACH Annex XVII				
		3-methyl-5-oxo-1-phenyl-						
1465	79817-91-7	1H-pyrazol-4-yl)azo]-4- hydroxy-3-[(2-hydroxy-3-						0.1%
		nitro-5-						
		sulphophenyl)azo]naphtha lene-2.7-disulphonato(5-						
1466	83898-70-8	Dimethoxy[29H,31H- phthalocyaninato(2-)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		N29,N30,N31,N32]nickel Leach residues, nickel-	Residues from basic leaching of nickel-	REACH Annex XVII				
		vanadium ore	bearing vanadium ores. Composed	REACH Annex XVII				
1467	84144-92-3		primarily of silica and insoluble compounds of nickel and vanadium with					0.1%
			minor quantities of other metals, such as					
1468	27574-34-1	[[2,2'-thiobis[4-(1,1,3,3- tetramethylbutyl)phenolato	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		]](2-)-O,O',S]nickel Nickel isooctanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				
1469	27637-46-3	[29H,31H-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1470	28680-76-4	phthalocyaninetetrasulpho						0.1%
		nyl tetrachloridato(2)- N29.N30.N31.N32 Inickel						
1471	28984-20-5	Bis[stilbene-α,β- dithiolato(2-)]nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Bis[2,3-bis(hydroxyimino)-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1472	29204-84-0	N-phenylbutyramidato- N2,N3]nickel						0.1%
1473	29317-63-3	Nickel(II) isooctanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1474	30868-55-4	Nickel hexafluorozirconate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
			restricted under Annex XVII of REACH.	REACH Annex XVII				
1475	30947-30-9	hydroxyphenyl]methyl]pho						0.1%
1476	31748-25-1	sphonatel Nickel silicate(3:4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		[[2,2'-thiobis[3-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1477	33882-09-6	octylphenolato]](2-)- O,O',S]nickel						0.1%
1478	34831-03-3	Hydrogen [N,N- bis(carboxymethyl)glycinat	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1470	34031-03-3	o(3-)-						0.170
1479	35884-66-3	Tetrakis(tritolyl phosphite )nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1480	36026-88-7	Nickel bisphosphinate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1481	36259-37-7	Bis(dipentyldithiocarbamat o-S,S')nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1482	37211-05-5	Nickel chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1483	37321-15-6	Silicic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1484	38465-55-3	Bis[1-[4- (dimethylamino)phenyl]-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1704	00-100-00-0	phenylethylene-1,2- dithiolato(2-)-S.S'Inickel						J.170
440-	20722 62 1	Tris(4,7-diphenyl-1,10-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.401
1485	38780-90-4	phenanthroline- N1,N10)nickel(2+) dinitrate						0.1%
1486	38951-94-9	Bis[2-butene-2,3- dithiolato(2-)-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1487	38951-97-2	Bis[4,4'-dimethoxy-α,α'-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		stilbenedithiolato(2- Dipotassium tris(cyano-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1488	39049-81-5	C)nickelate(2-)						0.1%
1489	39819-65-3	Nickel bis(benzenesulphonate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1490	41476-75-9	Nickel bis(piperidine-1- carbodithioate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Bis[2,3-bis(hydroxyimino)-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1491	42739-61-7	N-(2- methoxyphenyl)butyramid						0.1%
-		atolnickel [1,3-dihydro-5,6-bis[[(2-	This substance is used for the	REACH Annex XVII				
1	400	hydroxy-1-	manufacture of: plastic products.	REAGITAINES AVII				
1492	42844-93-9	naphthyl)methylene]amino ]-2H-benzimidazol-2-						0.1%
		onato(2-)-	restricted under Appear VVIII -4 DE ACU	DEACH A V'.'''				
1493	47726-62-5	[[2,2'-(4,8- dichlorobenzo[1,2-d:4,5-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1493	41120-02-5	d']bisoxazole-2,6- divl)bis[4.6-						0.1%
1494	51222-18-5	Nickel acrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1495	51818-56-5	Neodecanoic acid, nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1496	51912-52-8	Copper, compound with lanthanum and nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1497	51931-46-5	Bis[3-[(4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		chlorophenyl)azo]quinoline- -2,4(1H,3H)-dionato]nickel						
1498	52022-10-3	Nickel [R(R*,R*)]-tartrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



Section								Ellective Date. 3-36	
1-98-9-1	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives		Other Comments	limit (%)
			Bis[(2-	restricted under Annex XVII of REACH.	REACH Annex XVII		110100013		
Description   Description	1499	52486-98-3	hydroxyethyl)dithiocarbam						0.1%
1909   Content of the Content of t				restricted under Annex XVII of REACH	REACH Anney XVII				
Section   Sect	1500	52486-99-4	hydroxyethyl)dithiocarbam	Todalotou unudi 7 ililiox 71111 di 112/10111	TREMOTTALING X XVIII				0.1%
MacCol Agreement   MacCol Agre	4504	F040C 04 0		restricted under Anney XVII of REACH	DEACH Appey VI/II				0.40/
100   100	1502	52502-12-2	hexaoxide						0.1%
Section 2-50   Sect	1503	52610-81-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
15.55   15.5	4504	F000F 0F 0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
1505   1507 0.07   11-0000000   12-000000   12-00000   12-00000   12-00000   12-000000   12-00000   12-00000   12-000000   12-000000   12-000000   12-000000   12-0000000   12-000000   12-0000000   12-0000000   12-00000000   12-000000000   12-00000000000   12-000000000000000000000000000000000000	1504	52625-25-9							0.1%
100   100	1505	56557-00-7		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1507   1670   1570			pyrazol-3-onato-						,
Production   Pro									0.1%
1000   1000	1507	60700-37-0	, , ,						0.1%
100   1000-0949   Proposition   Propositio				restricted under Annex XVII of REACH.	REACH Annex XVII				
Page   Page	1508	61300-98-9	naphthyl)methylene]amino						0.1%
No.									
International Content of the Conte				This substance is identified in the Colour	REACH Annex XVII				
Neglethern codes, richall   International Content   International State and in republing, in Fundament and State   International State and in republing, in Fundament and State   International State and in Packet America VIII   State   International State   Inter	1509	61725-51-7							0.1%
1515   0778-71-4					REACH Annex XVII				
Bactering residence in the Annex XVIII (READIL   READIL AND AND AND AND AND AND AND AND AND AND	1510	61788-71-4		re-packing, at industrial sites and in	T L T C T T T I I I C T T T T T T T T T T T				0.1%
1511   357-302-4   N. N. N. Opport from history control and transport of the control and			Pic/othylopodiamino		DEACH Appey VVIII				
Proceedings   Proceedings   Procedure	1511	63427-32-7		restricted under Armex AVII of REACH.	REACH AIIIEX AVII				0.1%
1512   373-02-4				This can be a second to a set the set of the	5540114 10.00				
Sept.   Sept	1512	373-02-4	inickei di(acetate)		KEACH Annex XVII				0.1%
154.5         556.7.19. Mode of democate of extracted under Annex XVII of REACH.         6.01.           155.5         557.19. Mode of democate of extracted under Annex XVII of REACH.         6.01.           151.5         557.19. No.Noted democate of extraction under Annex XVII of REACH.         6.01.           151.7         1010.98. Michael? 2) elemente extracted under Annex XVII of REACH.         6.01.           151.9         1003.97.9.0         Michael CTI.11.         0.01.           151.0         1003.97.9.0         Aluminium, compound with insulation of extraction under Annex XVII of REACH.         6.01.           152.0         1003.97.9.0         Model CTI.11.         The substances is used in horizontal insulation of expensions, and industrial seas and in compound under Annex XVII of REACH.         REACH Annex XVII.           152.0         12007.01.0.1         Noted bonder on insulational seas and in compound under Annex XVII of REACH.         REACH Annex XVII.           152.2         12007.01.0.2         Timickell bonder on insulational seas and in compound under Annex XVII of REACH.         REACH Annex XVII.         0.01.           152.2         12007.01.0.2         Timickell bonder on insulational seas and in compound under Annex XVII of REACH.         REACH Annex XVII.         0.01.           152.2         12007.01.0.2         Timickell bonder on insulational resistance under Annex XVII of REACH.         REACH Annex XVII.         0	.0.2	0.0 02 .		sites and in manufacturing.					0.170
SST-19-7   Nichel dispunishe	_			•					0.1%
1557   1010-162   International Content of the Co	_								0.1%
1557   10101-569.   Nebell (21) selemine   metricated under Annex XVII   1620-760.   All minimum, compound with   1558   10203-78-0.   All minimum, compound with   1559   10203-78-0.   All minimum, compound with   1559   10203-78-0.   All minimum, compound with   1550   10203-78-0.   All minimum minimum   1550   10203-78-0.   All minimum m	_		·						0.1%
1515   12003-78-0   Aurmentum, compound with this substance is used in formulation or REACH Annex XVII			, ,						0.1%
1010   12003-78-0	_		, ,						0.1%
1500   1000-150   10									
1500   12004-35-2   tetracoxide   m-packing, at industrial sites and in manufacturin   manufac	1519	12003-78-0	nickel (1:1)						0.1%
1521   12007-00-0   Nickell boride   restricted under Annex XVII of REACH, REACH Annex XVII   1.512   12007-01-1   Dinckel boride   restricted under Annex XVII of REACH, REACH Annex XVII   1.513   12007-01-1   Dinckel boride   restricted under Annex XVII   1.512   12018-18-7   Dinckel boride   restricted under Annex XVII   1.512   12018-18-7   Dinckel compand with restricted under Annex XVII   restricted under Annex XVII   1.512   12038-38-8   Nickel standard under Annex XVII of REACH, REACH Annex XVII   1.512   12038-38-8   Nickel standard under Annex XVII of REACH, REACH Annex XVII   1.512   12038-38-8   Nickel standard under Annex XVII of REACH, REACH Annex XVII   1.512   12038-38-8   Nickel standard under Annex XVII of REACH, REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII of REACH, REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII   REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII   REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII   REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII   REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII   REACH Annex XVII   1.513   12038-58-8   Nickel standard under Annex XVII   REACH Annex XVII   1.514	1520	12004 25 2			REACH Annex XVII				0.1%
1522   12007-02-2   Trinickal bortole   restricted under Annex XVIII of REACH   REACH Annex XVIII	1320	12004-33-2	letrauxide						0.176
1522   12025-02-2   Trinickel border   restricted under Annex XVIII of REACH   REACH Annex XVIII	1521	12007-00-0	Nickel boride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1524   12038-18-7   Dirthornium nickel   restricted under Annex XVIII of REACH. REACH Annex XVIII	1522	12007-01-1	Dinickel boride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1925   12034-95-8   Nickel frompound with   nobburn IT-1	1523	12007-02-2							0.1%
1926   1935-9-6   Nicket dioxide   restricted under Annex XVII of REACH   REACH Annex XVII	1524	12018-18-7							0.1%
1526   12035-36-8   Nickel introducts   restricted under Annex XVIII   REACH Annex XVIII	1525	12034-55-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1528   12035-38-0   Nickel Immunitroside   restricted under Annex XVIII of REACH   REACH Annex XVIII	1526	12035-36-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1529   12035-52-8   Antimory, compound with locked (1-1)   12035-62-8   Onicked phosphide   restricted under Annex XVII of REACH.   REACH Annex XVII     1531   12035-72-2   Onicked phosphide   restricted under Annex XVII of REACH.   REACH Annex XVII     1532   12035-64-2   Onicked phosphide   restricted under Annex XVII of REACH.   REACH Annex XVII     1532   12054-48-7   Onicked phosphide   restricted under Annex XVII of REACH.   REACH Annex XVII     1533   12059-14-2   Onicked silicide   restricted under Annex XVII of REACH.   REACH Annex XVII     1533   12059-14-2   Onicked silicide   restricted under Annex XVII of REACH.   REACH Annex XVII     1534   12059-23-3   Reach and restricted under Annex XVII of REACH.   REACH Annex XVII   REACH Annex XVII   1535   REACH Annex XVII   REACH Annex XVII   REACH Annex XVII   1536   REACH Annex XVII   REACH Annex			Nickel tin trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1509   2005-6-62   Dinckel phosphide   Testricted under Annex XVII of REACH.   REACH Annex XVII	1528	12035-39-1	Nickel titanium trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1530   12035-64-2   Dinkkel phosphide   restricted under Annex XVII of REACH.   REACH Annex XVII	1529	12035-52-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1531   12035-72-2   Trinickel disulphide   This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.   REACH Annex XVII				restricted under Annex XVII of REACH	REACH Anney XVII				0.1%
1531   12035-72-2	1330	12033-04-2							0.176
1532   12054-48-7   Nickel dihydroxide   This substance is used in articles, in formulation or re-packing, at industrial sites and in manufacturing.   1534   12059-23-3   Nickel, compound with in restricted under Annex XVII of REACH.   REACH Annex XVII   1535   3264-82-2   O'Dinickel   Dinickel	1531	12035-72-2	,	formulation or re-packing, at industrial					0.1%
1532   12054-48-7   formulation or re-packing, at industrial sites and in manufacturing.   1533   12059-14-2   Dinickel silicide   restricted under Annex XVII of REACH.   REACH Annex XVII     1534   12059-23-3   Nickel compound with tin   restricted under Annex XVII of REACH.   REACH Annex XVII     1535   3264-82-2   Dinickel silicide   restricted under Annex XVII of REACH.   REACH Annex XVII     1536   3333-67-3   Nickel carbonate   restricted under Annex XVII of REACH.   REACH Annex XVII     1537   3349-08-2   Nickel carbonate   restricted under Annex XVII of REACH.   REACH Annex XVII     1538   3349-08-2   Nickel (21-ty) propionate   restricted under Annex XVII of REACH.   REACH Annex XVII     1538   3349-08-4   Nickel (21-ty) propionate   This substance is used in manufacturing   REACH Annex XVII     1539   3906-55-6   Nickel bis(2-ty) propionate   This substance is used in formulation or re-packing, at industrial sites and in manufacturing   REACH Annex XVII     1540   4454-16-4   ethylhexanoate)   re-packing at industrial sites and in manufacturing   REACH Annex XVII     1541   4995-91-9   Nickel (2+) octanoate   restricted under Annex XVII of REACH.   REACH Annex XVII     1544   1544   1545   1546   1545   1545   1546   1545   1546			Nickel dihydroxide		DEACH Appey VI/II				
1534   12059-13-2   Dinickel silicide   restricted under Annex XVII of REACH.   REACH Annex XVII	1532	12054-48-7	Nicker diriyaroxide		REACH AIIIEX AVII				0.1%
1534   12059-23-3   Nickel, compound with tin   festricted under Annex XVII of REACH.   REACH Annex XVII			District at any state	sites and in manufacturing.	5540114 10.00				
1535 3264-82-2 Sis(pentane-2,4-dionato- O, O) pinckel anaufacture of: plastic products. Part of the manufacture of: plastic products. Part of the restricted under Annex XVII of REACH. REACH Annex XVII of REACH.									0.1%
1535   3264-82-2   O_Dinickel   manufacture of plastic products   manufacturing,   manufa	1534	12059-23-3		TESTICIEU UNUEI ATITIEX AVII OI REACH.	NEACH ARREX AVII				0.1%
1536   3333-67-3   Nickel carbonate   restricted under Annex XVII of REACH.   REACH Annex XVII	1535	3264-82-2	Bis(pentane-2,4-dionato-		REACH Annex XVII				0.1%
1537 3349-06-2 Nickel diformate restricted under Annex XVII of REACH. 1538 3349-08-4 Nickel(2+) propionate This substance is used in manufacturing. 1539 3906-55-6 Colchexylbutyrate) 1540 4454-16-4 Propionate This substance is used in formulation or re-packing, at industrial sites and in manufacturing. 1541 4995-91-9 Nickel(2+) octanoate This substance is used in formulation or re-packing, at industrial sites and in manufacturing. 1542 6018-92-4 Trinickel dicitate This substance is used in formulation or re-packing, at industrial sites. 1543 6283-67-6 Nickel(III) furnarate restricted under Annex XVII of REACH. 1544 7580-31-6 Propionate This substance is used in formulation or re-packing and at industrial sites. 1545 7757-95-1 Nickel(2+) sulphite restricted under Annex XVII of REACH. 1546 7786-81-4 Nickel(2+) sulphite This substance is used in formulation or restricted under Annex XVII of REACH. 1547 8007-18-9 Antimony nickel titanium oxide yellow Number, post, tors, invellency and plastic (e.g. food packaging and storage, toys, mobile obnoss). 1548 10028-18-9 Nickel diffurorie This substance is used in articles, at industrial sites and in manufacturing. 1549 1271-28-9 Bis(r,5-2,4-cyclopentadien 1-yhnickel 1-yhnick					REACH Anney XV/II				
1538 3349-08-4 Nickel(2+) propionate This substance is used in manufacturing. REACH Annex XVII 1539 3906-55-6 cyclohexy/butyrate) restricted under Annex XVII of REACH. Nickel bis(2- restricted under Annex XVII of REACH. Nickel bis(2- restricted under Annex XVII of REACH. Nickel bis(2- restricted under Annex XVII of REACH. Nickel Dis(2- restricted under Annex XVII of REACH. Nickel(2+) octanoate restricted under Annex XVII of REACH. Nickel(2+) octanoate restricted under Annex XVII of REACH. Nickel(2+) octanoate restricted under Annex XVII of REACH. Nickel(III) furnarate repacking and at industrial sites. Nickel(III) furnarate restricted under Annex XVII of REACH. Nickel(2+) sulphite restricted under Annex XVII of REACH. Nickel sulphate This substance can be found in products with material based on: metal (e.g. cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile obnoses).  Antimony nickel titanium oxide yellow Number. C.I. 7778. This substance is used in articles, at industrial sites and in manufacturing. REACH Annex XVII Noted Number. C.I. 7778. This substance is used in articles, at industrial sites and in manufacturing. REACH Annex XVII Noted Number. C.I. 7778. This substance is used in articles, at industrial sites and in manufacturing. REACH Annex XVII Noted Number. C.I. 7778. This substance is used in articles, at industrial sites and in manufacturing. REACH Annex XVII Noted Number. Sites and in manufacturing. REACH Annex XVII Noted Number. C.I. 7778. This substance is used in articles, at industrial sites and in manufacturing. REACH Annex XVII Noted Number. Sites and in manufacturing. REACH Annex XVII Noted Number. Sites and in manufacturing. REACH Annex XVII Noted Number. Sites and in manufacturing. REACH Annex XVII Noted Number. Sites and in manufacturing. REACH Annex XVII Noted Number. Sites Num									0.1% 0.1%
1539   3906-55-6   Nickel bis(4-cyclohexylbutyrate)   restricted under Annex XVII of REACH.   REACH Annex XVII									0.1%
1549 3906-56-6 ovolohexylbutyrate) 1540 4454-16-4 Pixel Pixe				•					
1540 4454-16-4 ethylhexanoate) re-packing, at industrial sites and in manufacturing.  1541 4995-91-9 Nickel(2+) octanoate restricted under Annex XVII of REACH.  1542 6018-92-4 Trinickel dicitrate This substance is used in formulation or re-packing and at industrial sites.  1543 6283-67-6 Nickel(II) fumarate restricted under Annex XVII of REACH.  1544 7580-31-6 2-ethylhexanoic acid, restricted under Annex XVII of REACH.  1545 7757-95-1 Nickel(2+) sulphite restricted under Annex XVII of REACH.  Nickel sulphate This substance can be found in products with material based on: metal (e.g., cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile phones).  1546 7786-81-4 Antimony nickel titanium oxide yellow Nickel side under Annex XVII of REACH.  1547 8007-18-9 Nickel diffuoride This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77788.  1548 10028-18-9 Nickel diffuoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yln)nickel Sils(n5-2).  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yln)nickel Sils(n5-2).  This substance as Carcinogenic, Skin REACH Annex XVIII  1550 1295-38-8 Bis(n5-2).  This substance as Carcinogenic, Skin REACH Annex XVIII  1540 1295-38-8 Bis(n5-2).  This substance as Carcinogenic, Skin REACH Annex XVIII  1541 1295-38-8 Bis(n5-2).  This substance as Carcinogenic, Skin REACH Annex XVIII  1542 1295-38-8 Bis(n5-2).  This substance is used in articles, at industrial sites and in manufacturing.  This substance is used in articles, at industrial sites and in manufacturing.  This substance is used in articles, at industrial sites and in manufacturing.  This substance is used in articles, at industrial sites and in manufacturing.  This substance is used in articles, at industrial sites and in manufacturing.  This substance is used in articles, at industrial sites and in manufacturing.  This substance is used in articles, at industrial sites and in manufacturing	1539	ა <del>ყ</del> სხ-55-6	cyclohexylbutyrate)						0.1%
manufacturing.  1541 4995-91-9 Nickel(2+) octanoate restricted under Annex XVII of REACH. REACH Annex XVII  1542 6018-92-4 Trinickel dicitrate This substance is used in formulation or re-packing and at industrial sites.  1543 6283-67-6 Nickel(III) fumarate restricted under Annex XVII of REACH. REACH Annex XVII  1544 7580-31-6 2-ethylhexanoic acid, rickel salt Nickel(2+) sulphite restricted under Annex XVII of REACH. REACH Annex XVII  1545 7757-95-1 Nickel(2+) sulphite restricted under Annex XVII of REACH. REACH Annex XVII  1546 7786-81-4 Nickel sulphate This substance can be found in products with material based on: metal (e.g. cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile phones).  1547 8007-18-9 Antimony nickel titanium oxide yellow Nickel substance is identified in the Colour Index by Colour Index Constitution Number, C.J. 77788.  1548 10028-18-9 Nickel difluoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(η5-2,4-cyclopentadien-1-yl)nickel This substance as Carcinogenic, Skin REACH Annex XVII REACH Annex XVII Of REACH. REACH Annex XVII of REACH. REACH Annex XVII	1540	4454-16-4			REACH Annex XVII				0.1%
1541 4995-91-9 Nickel(2+) octanoate restricted under Annex XVII of REACH. REACH Annex XVII	1340	TTJ4-10-4	en iyirlexariUate)	manufacturing.					J. 1 /0
1542   5018-92-4   re-packing and at industrial sites.   1543   6283-67-6   Nickel (III) fumarate   restricted under Annex XVII of REACH.   REACH Annex XVII     1544   7580-31-6   C-ethylhexanoic acid, nickel salt   restricted under Annex XVII of REACH.   REACH Annex XVII     1545   7757-95-1   Nickel (2+) sulphite   restricted under Annex XVII of REACH.   REACH Annex XVII     1546   Nickel sulphate   This substance can be found in products with material based on: metal (e.g. cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile ohones).   1547   8007-18-9   Antimony nickel titanium oxide yellow   Index by Colour Index Constitution   Number, C.I. 77788.   REACH Annex XVII     1548   10028-18-9   Nickel diffluoride   This substance is used in articles, at industrial sites and in manufacturing.   REACH Annex XVII   1549   1271-28-9   Bis(n5-2,4-cyclopentadien-1-yl)nickel   This substance as Carcinogenic, Skin   REACH Annex XVII   10.1   1	1541	4995-91-9		restricted under Annex XVII of REACH.		-	-		0.1%
1543 6283-67-6 Nickel(III) fumarate restricted under Annex XVIII of REACH. REACH Annex XVIII  1544 7580-31-6 2-ethylhexanoic acid, nickel salt restricted under Annex XVIII of REACH. REACH Annex XVIII  1545 7757-95-1 Nickel(2+) sulphite restricted under Annex XVIII of REACH. REACH Annex XVIII  1546 7786-81-4 Nickel sulphate This substance can be found in products REACH Annex XVIII with material based on: metal (e.g., cuttery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile ohones).  1547 8007-18-9 Antimony nickel titanium oxide yellow Index by Colour Index Constitution Number, C.I. 77788.  1548 10028-18-9 Nickel diffluoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yl)nickel This substance as Carcinogenic, Skin REACH Annex XVIII  1550 1298-35-8 Bis(1,5-  This substance as Carcinogenic, Skin REACH Annex XVIII  1540 1298-35-8 Bis(1,5-  This substance as Carcinogenic, Skin REACH Annex XVIII  1541 0.1	1542	6018-92-4	Trinickel dicitrate		REACH Annex XVII		-		0.1%
1544 7580-31-6 2-ethylhexanoic acid, nickel salt restricted under Annex XVII of REACH. REACH Annex XVII    1545 7757-95-1 Nickel(2+) sulphite restricted under Annex XVII of REACH. REACH Annex XVII    Nickel sulphate This substance can be found in products with material based on: metal (e.g., cuttery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile ohones).  1546 7786-81-4 Antimony nickel titanium oxide yellow Index by Colour Index Constitution Number, C.I. 77788.  1548 10028-18-9 Nickel difluoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yl)nickel This substance as Carcinogenic, Skin REACH Annex XVII    1550 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1641 7580-1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1651 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1652 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1654 1555 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1655 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1656 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1657 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1657 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1658 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1658 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1659 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1650 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1650 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1650 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1650 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII    1650 1298-35-8			Nickel(II) fumarate		REACH Annex XVII				0.1%
1544 7590-31-6 nickel salt 1545 7757-95-1 Nickel(2+) sulphite restricted under Annex XVII of REACH. REACH Annex XVII 1546 7786-81-4 Nickel sulphate This substance can be found in products REACH Annex XVII with material based on: metal (e.g. cuttery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile ohones).  1547 8007-18-9 Antimony nickel titanium oxide yellow Index by Colour Index Constitution Number, C.I. 77788.  1548 10028-18-9 Nickel diffluoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yl)nickel This substance as Carcinogenic, Skin REACH Annex XVII REACH Annex XVII O.1.  1550 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII O.1.  1551 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII O.1.									
Nickel sulphate   This substance can be found in products   REACH Annex XVII   with material based on: metal (e.g. cuttery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile phones).   This substance is identified in the Colour Index by Colour Index Constitution   Number, C.I. 77788.			nickel salt						0.1%
with material based on: metal (e.g. cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile phones).  Antimony nickel titanium oxide yellow Index by Colour Index Dy Colour Index Constitution Number, C.I. 77788.  Nickel diffluoride This substance is used in articles, at industrial sites and in manufacturing.  Bis(n5-2,4-cyclopentadien-1-yl)nickel This substance as Carcinogenic, Skin REACH Annex XVII 0.1  1550 1205-358 Bis(1.5- This substance as Carcinogenic, Skin REACH Annex XVII 0.1	1545	7757-95-1							0.1%
1546 7786-81-4 cutlery, pots, toys, jewellery) and plastic (e.g. food packaging and storage, toys, mobile phones).  1547 8007-18-9 Antimony nickel titanium oxide yellow oxide yellow noxide yellow noxide yellow oxide yellow noxide yellow nox			ivickei suipnate		REACH ANNEX XVII				
mobile phones).  1547 8007-18-9 Antimony nickel titanium oxide yellow Index by Colour Index Constitution Number, C.I. 7778.  1548 10028-18-9 Nickel diffluoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yl)nickel restricted under Annex XVII of REACH.  1550 1298-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII 0.1	1546	7786-81-4		cutlery, pots, toys, jewellery) and plastic					0.1%
Antimony nickel titanium oxide yellow Index by Colour Index Constitution Number, C.I. 77788.  1548 10028-18-9 Nickel diffuoride This substance is identified in the Colour Index Constitution Number, C.I. 77788.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yl)nickel restricted under Annex XVII of REACH.  1550 1205-35-8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII									
1547   8007-18-9   oxide yellow   Index by Colour Index Constitution   0.1			Antimony nickel titanium		REACH Annex XVII				
1548 10028-18-9 Nickel difluoride This substance is used in articles, at industrial sites and in manufacturing.  1549 1271-28-9 Bis(n5-2,4-cyclopentadien-1-yl)nickel Fig. 1205-35.8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII 0.1	1547	8007-18-9		Index by Colour Index Constitution					0.1%
1548   10028-18-9			Nickel difluoride		REACH Anney YV/II				
1-yl)nickel 1-yl)nickel 1-yl)nickel 1-yl)nickel 1-yl)nickel 1-s50 1205-35.8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII 0.1	1548	10028-18-9		industrial sites and in manufacturing.					0.1%
1-yı)nickei  1550 1205-35.8 Bis(1,5- This substance as Carcinogenic, Skin REACH Annex XVII 0.1	1549	1271-28-9		restricted under Annex XVII of REACH.	REACH Annex XVII		-		0.1%
				This substance as Carcinogenic. Skin	REACH Annex XVII				
	1550	1295-35-8							0.1%



March   Marc	No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
Promote Service   Promote Se			Nickel monoxide		REACH Annex XVII		FIOLOCOIS		
1965   1914-0-2   Noted Sentence	1551	1313-99-1							0.1%
1565   1575-5-5-6	1552	1314-05-2	Nickel selenide		REACH Annex XVII				0.1%
1955   1950-5-69									-
			Nickel dinitrate		REACH Annex XVII				
1965   1969-690   19	1554	13138-45-9		in formulation or re-packing, at industrial					0.1%
Section   Part   1555	13462-88-9	Nickel dibromide		REACH Annex XVII				0.1%	
1995   1977-26-9   1979-26-9	1556	13462-90-3							0.1%
September   Sept			·						-
Table   1996-1969   Novel and previous previou									
1655   2004-0-06.   Montreal phase products of the control products of the control phase produ				restricted under Annex XVII of REACH.	REACH Annex XVII				
	_		· ·						-
1505   1377-0893	1562	13689-92-4	·						0.1%
1966   1987   1986	1563	13770-89-3	Nickei bis(sulphamidate)		REACH Annex XVII				0.1%
1985   1984-64-1	1564	13775-54-7	Dinickel orthosilicate		REACH Annex XVII				0.1%
1566   1360-604   1560-605   15				restricted under Annex XVII of REACH.					
1869   13889-335   13897-309   1997-309   1997-309   1997-309   1997-309   1997-309   1997-309   1997-309   1997-309   1997-773   1997-773   1997-773   1997-773   1997-773   1997-773   1997-773   1997-309				restricted under Annex XVII of REACH.	REACH Annex XVII				
1906   1997-1992   1998-1999   1999-1999			tetrafluoronickelate(2-)						1
1869   1869-305	1567	13859-65-9	)nickel						100.1%
1869   18877-0.09   Resumer microscript(97)   Internative microscript (1987)   Internative micros	1568	13869-33-5	(carboxymethyl)glycinato(2-	restricted under Annex XVII of REACH.	KEACH Annex XVII				0.1%
1006   1007				restricted under Annex XVII of REACH.	REACH Annex XVII				
15/10   15/24   1405-02-0   Decluration and an immunistrations   Section	1569	13877-20-8	bis[tetrafluoroborate(1-)]						0.1%
1571   14/0-15-0	1570	13927-77-0	bis(dibutyldithiocarbamate)	and in manufacturing.					0.1%
1672   1405-02-8	1571	14038-85-8		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1572   14100-15-3   Bioligicantini-F-cilitor   Mich. Opinicide   Implication is used in industries sites   REACH Annex XVII     0.1%	1572	14055-02-8	[29H,31H-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1572   14177-51-5   Mobile furnishing instrational or sum annual acturing.   1573   14176-75-2   Ninc auch, rickel as in empacing and air industrial steel in provision or part of the provision of the provisio	1573	14100-15-3	Bis(quinolin-8-olato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1477-550				This substance is used at industrial sites	REACH Annex XVII				
1979   14/7-59-2   Nilric acid, nickel sail at extracted under Annex XVIII   1979   14/20-17-8   1979   14/20-17-8   1979   14/20-17-8   1979   14/20-17-8   1979   14/20-17-8   1979   14/20-17-8   1970			Molybdenum nickel		REACH Annex XVII				
1577   1420-17-8			tetraoxide	re-packing and at industrial sites.					
1620-1-1-9									
1670   1426-17-95   Retfill chipride   Retfill Ch	15//	14220-17-8	tetracyanoniccolate						0.1%
1679   1420-17-79   S. Sinickel	1578	14264-16-5	kel(II) chloride						0.1%
1581   14406-66-7	1579	14267-17-5		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1980   14428-08-1 deliyhexylyidhilocarbamato    20.1%   20.1	1580	14332-34-4							0.1%
14428-08-1   stytheylyidithiocarbamato-  S.Thickel	1581	14406-66-7	olato-N1,O2)nickel						0.1%
SS   1448-18-1   Dincked (phosphate   restricted under Annex XVII of REACH.   REACH Annex XVII	1582	14428-08-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1584   14507-36-9   Nickel bis(phosphinate)   restricted under Annex XVII of REACH.   REACH Annex XVII	1500		S.S'Inickel	restricted under Anney XVII of REACH	DEACH Appey VVIII				
14516-71-3			· ·						-
1896   14512-99-7					REACH Annex XVII				
14522-99-7	1585	14516-71-3							0.1%
1567   1455-87-9   Nickel dibromate   restricted under Annex XVII of REACH.   REACH Annex XVII	4=00			restricted under Annex XVII of REACH.	REACH Annex XVII				0.404
1588   14708-14-6   Nickel   restricted under Annex XVII of REACH.   REACH Annex XVII			dionato-O,O')nickel						
1589   14721-18-7   Nickel chromate   restricted under Annex XVII of REACH.   REACH Annex XVII									-
14949-69-0   Bis(1,1,1,5,5,5-1   hexafluoropentane-2,4   dionato-O,O'nickel   1592   14998-37-9   Nickel acetate   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1593   15060-62-5   Nickel scelate   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1594   15317-78-9   (silicisobuty)dithiocarbam ato)nickel   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1595   15521-65-0   Nickel   silicimethyldithiocarbamat   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1596   15586-38-6   Nickel dichromate   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1599   15780-33-3   Nickel thirdinate   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1599   15780-33-3   Nickel triuranium   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15843-92-4   Formic acid, nickel salt   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15843-91-1   (coty)doxy)benzophenonato   Inickel   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15852-22-1   Nickel tellurium trioxide   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15862-22-1   Nickel tellurium trioxide   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15862-21-3   Nickel tellurium trioxide   restricted under Annex XVII of REACH.   REACH Annex XVII   0.1%   1604   16083-14-0   Nickel(2+) trifluoroacetate   restricted under Annex XVII of REACH.   REACH Annex XVII   0.1%   1605   16432-37-4   (1,1,3,3-)   restricted under Annex XVII of REACH.   REACH Annex XVII   0.1%   1605   16432-37-4   (1,1,3,3-)   1.1%			Nickel chromate						
1591   14949-69-0   hexafluoropentane-2,4-   dionato-C_O_Pinickel	1590	14874-78-3	•						0.1%
1592   14998-37-9   Nickel acetate   restricted under Annex XVII of REACH.   REACH Annex XVII	1591	14949-69-0	hexafluoropentane-2,4-	resulcted under Affilex AVII OF REACH.	NEACH ARREX XVII				0.1%
1593   15060-62-5   Nickel selenate   restricted under Annex XVII of REACH.   REACH Annex XVII	1592	14998-37-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1594   15317-78-9   ato)nickel   Nickel   Nickel   Nickel   Nickel   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15586-38-6   Nickel dichromate   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   1597   15699-18-0   Diammonium nickel   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15751-00-5   Nickel (siuphate)   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15780-33-3   Nickel triuranium   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15843-02-4   Formic acid, nickel salt   restricted under Annex XVII of REACH.   REACH Annex XVII     0.1%   15843-91-1   (octyloxylosylosylosylosylosylosylosylosylosylos			Nickel selenate	restricted under Annex XVII of REACH.	REACH Annex XVII				-
1595 15521-65-0 Nickel bis(dimethyldithiocarbamat) restricted under Annex XVII of REACH. REACH Annex XVII	1594	15317-78-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1596	1595	15521-65-0	Nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1599   15751-00-5   Hexakis(1H-imidazole-Ms)	1596	15586-38-6			REACH Annex XVII				0.1%
15751-00-5	1597	15699-18-0		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1599   15780-33-3   Nickel triuranium   restricted under Annex XVII of REACH.   REACH Annex XVII	1598	15751-00-5	Hexakis(1H-imidazole-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1600   15843-02-4   Formic acid, nickel salt   restricted under Annex XVII of REACH.   REACH Annex XVII				restricted under Annex XVII of REACH.	REACH Annex XVII				
1601   15843-91-1   (octyloxy)benzophenonato     0.1%									-
Inickel   Inic	1601	15843-91-1		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1603 15852-21-8 Nickel tellurium tetraoxide restricted under Annex XVII of REACH. REACH Annex XVII 0.1% 1604 16083-14-0 Nickel(2+) trifluoroacetate restricted under Annex XVII of REACH. REACH Annex XVII 0.1%  [[2,2'-sulphonylbis[4- restricted under Annex XVII of REACH.] 1605 16432-37-4 (1,1,3,3- restricted under Annex XVII of REACH.] 1607 16432-37-4 (1,1,3,3- restricted under Annex XVII of REACH.]			Inickel	restricted under Anney XVIII of REACH	REACH Anney Y\/II				
1604 16083-14-0 Nickel(2+) trifluoroacetate restricted under Annex XVII of REACH. REACH Annex XVII 0.1%  [[2,2*sulphonylbis[4- restricted under Annex XVII of REACH. REACH Annex XVII 0.1%  1605 16432-37-4 (1,1,3,3- 0.1%									-
1605 16432-37-4 (1,1,3,3-			Nickel(2+) trifluoroacetate		REACH Annex XVII				-
	1605	16432-37-4		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		-							



		ER SOLUTIONS					Effective Date: 3-Se	<u>p-2022</u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1606	16812-54-7	Nickel sulphide	This substance is used in articles, in formulation or re-packing, at industrial	REACH Annex XVII				0.1%
1607	18283-82-4	Citric acid , ammonium	sites and in manufacturing. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1608	18718-11-1	nickel salt Nickel bis(dihydrogen phosphate)	This substance is used in articles, by professional workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.	REACH Annex XVII				0.1%
1609	18721-51-2	Nickel(2+) hydrogen citrate	This substance is used in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1610	20437-10-9	[[1,1'-[1,2- phenylenebis(nitrilomethyli dyne)]bis[2-naphtholato]](2- )-N.N'.O.O'lnickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1611	20543-06-0	Oxalic acid, nickel salt	Carcinogenic and Skin sensitising	REACH Annex XVII				0.1%
1612	21264-77-7	Bis(ethane-1,2- diamine)nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1613	21784-78-1	Nickel(2+) silicate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1614	22484-07-7	[µ-[[1,1',1",1"'-[benzene- 1,2,4,5- tetrayltetrakis(nitromethylid yne)]naphth-2-olato](4- )]]dinickel		REACH Annex XVII				0.1%
1615	22605-92-1	Citric acid, nickel salt	This substance is used in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1616	24640-21-9	Ammonium nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1617	25481-21-4	Dihydrogen [[N,N'- ethylenebis[N- (carboxymethyl)glycinato]]( 4-)- N,N',O,O',ON,ON']nickelat	This substance is used in the following products: fertilisers.	REACH Annex XVII				0.1%
1618	26043-11-8	e(2-) Nickel hexafluorosilicate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1619	113894-88-5	Nickel, [29H,31H- phthalocyaninato(2-)- κN29,κN30,κN31,κN32]-, sulfo [[4-[[2- (sulfooxy)ethyl]sulfonyl]ph enyl]amino]sulfonyl derivs., potassium sodium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1620	113894-89-6	Nickelate(6-), [4-[2-[5- [(3,6-dichloro-4- pyridazinyl)carbonyl]amino ]-2-sulfophenyl[diazenyl]- 4,5-dihydro-5-oxo-1-[5- [(C,C,C-trisulfo-29H,31H- phthalocyanin-C- yl)sulfonyl]amino]-2- sulfophenyl]-1H-pyrazole-3- carboxylato(8-)- kN29,kN30,kN31,kN32]- sodium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1621	12035-50-6	Nickel disulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1622	12035-57-3	Nickel silicide (NiSi)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1623	12035-77-7	Nickel Sulfide (Ni9S8)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1624	12059-21-1	Polydymite (Ni3S4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1625	12125-56-3	Nickel Black	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1626	12137-08-5	Nickel sulfide (Ni2S)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1627	12137-09-6	Nickel oxide (Ni3O4) Nickel carbide (NiC)	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1628 1629	12167-08-7 12259-56-2	Nickel sulfide (Ni2S3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1630	12275-13-7	Carbamic acid, ethylenebis(dithio-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1631	12334-31-5	nickel(II) salt Nickel, [carbonato(2- )]hexahydroxytetra-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1632	12359-17-0	Nickel oxide (Ni2O)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1633	12503-53-6	Nickel sulfide (Ni7S6)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1634	13778-29-5	Nitric acid, nickel(2+) salt, hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1635	13931-83-4	Nickel chloride(NiCl)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1636	14168-76-4	Sulfuric acid, nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1637	14323-41-2	salt (1:1), monohydrate Nickelate(2-), tetracyano-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1638	14396-43-1	dipotassium, hydrate Phosphoric acid, nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1639	14434-67-4	Nickel, bis(hexahydro-1H- azepine-1-carbodithioato- κS1,κS'1)-, (SP-4-1)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1640	14448-69-2	Octadecanoic acid, nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1641	15099-34-0	Nitric acid, nickel(3+) salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1642	16122-03-5	Nickelate(1-), trichloro-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1643	16456-84-1	ammonium, hexahydrate Nitric acid, nickel(2+) salt, tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1644	17030-82-9	Carbonic acid, nickel(2+) salt (1:1), hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1645	17237-93-3	Carbonic acid, nickel(2+) salt (2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1646	17638-48-1	Nickel chloride (NiCl2), dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1647	17861-62-0	NITROUS ACID, NICKEL (2+) SALT	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1648	18534-07-1	Nitric acid, nickel(2+) salt, octahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1649	18824-79-8	1,2-Benzenedicarboxylic acid, 3,4,5,6-tetrabromo-, nickel(2+) salt (1:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
	<u> </u>	ITHOREHETT SAIL (1.1)	1	<u>i</u>	<u> </u>	<u> </u>	i	



							Ellective Date. 3-36	<del>-2022</del>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1650	18972-69-5	Nickel(2+), bis(1,2- propanediamine-кN1,кN2)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1651	198831-12-8	, bis(cyano-κC)aurate(1-) Aluminiummagnesiumnick	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1652	207803-51-8	elsiliziumoxide Aluminum boron cobalt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1653	22965-60-2	lithium nickel oxide 2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		[bis(carboxylatomethyl)ami no]acetate;nickel(3+) Nitric acid, nickel(2+) salt,	restricted under Annex XVII of REACH.	REACH Annex XVII				
1654	23232-50-0	dihydrate Antimony nickel titanium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1655	54576-53-3	oxide  Benzenepropanoic acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1656	55868-93-4	3,5-bis(1,1-dimethylethyl)- 4-hydroxy-, nickel(2+) salt						0.1%
1657	61092-77-1	Sulfuric acid, nickel(2+) salt (1:1), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1658	66341-42-2	Sulfuric acid, nickel(2+) salt (1:1), pentahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1659	66634-47-7	Sulfuric acid, nickel(2+) salt (1:1), dihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1660	66732-80-7	Godlevskite (Ni7S6)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1661	67272-59-7	Nickel Sulfide (Ni4S)	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVIII				0.1%
1662	68189-15-1	Nickel, bis[[2-(hydroxy-кO)- 4- octylphenyl]phenylmethan	restricted under Affriex AVII of REACH.	REACH Annex XVII				0.1%
1663	68412-19-1	Nickel, [29H,31H- phthalocyaninato(2-)- κN29,κN30,κN31,κN32]-, [(3-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1664	68412-20-4	aminophenyl)aminolsulfon Nickel, dextrin complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1665	68585-48-8	Sulfuric acid, nickel(2+) salt (1:1), reaction	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1666	70729-79-2	products with nickel and Nickelate(4-), [22-[[(4- sulfophenyl)aminojsulfonyl ]-29H,31H-phthalocyanine- 1,8,15-trisulfonato(6-)- kN29,kN30,kN31,kN32]-, hydrogen (1:4). (SP-4-2)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1667	70776-98-6	2-ethylhexanoic acid;nickel;2,2,2- trifluoroacetic acid	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1668	71050-57-2	Acetic acid, nickel(2+) salt (2:1), polymer with formaldehyde and 4-(1,1,3,3-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1669	71215-73-1	Nickel, [[2,2'- [methylenebis(thio- kS)]bis[acetato-kO]](2-)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1670	71215-97-9	Nickel(2+), tris(1,2- ethanediamine-kN,kN')-, (OC-6-11)-, salt with dimethylbenzenesulfonic acid (1:2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1671	71215-98-0	Nickel(2+), bis(1,2- ethanediamine-kN,kN')-, salt with dimethylbenzenesulfonic	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1672	71605-83-9	Nickel, bis[N-hydroxy-3- (hydroxyimino-кN)-N'-(2- methoxyphenyl)butanimida midato-кN']-		REACH Annex XVII				0.1%
1673	106887-33-6	Nickel, [N-(4-chlorophenyl)- 3-[2-[[1-(4-chlorophenyl)- 4,5-dihydro-3-methyl-5- (oxo-kO)-1H-pyrazol-4- yl]methylene]hydrazinylide ne-kN2]-α-cyano-1H- isoindole-3-acetamidato(2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1674	72162-32-4	Sulfuric acid, nickel salt (1:?), reaction products with sulfurized phenol calcium salt (2:1)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1675	72252-57-4	Nickel, [N,N',N''-tris[4-(4,5-dihydro-3-methyl-5-oxo-1H, pyrazol-1-yl)phenyl]-29H,31H-phthalocyanine-C,C,C-trisulfonamidato(2-)-kN29 kN30 kN31 kN32l-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1676	72453-55-5	Nickelate(6-), [C-[[[3-[2- [4,5-dihydro-3-methyl-5- oxo-1-[3-sulfo-4-[2-[2-sulfo- 4-[(2,5,6-trichloro-4- pyrimidinyl)amino]phenyl]e thenyl]phenyl]-11-pyrazol- 4-yl]diazenyl]-4- sulfophenyl]amino]sulfonyl] 29H,31H-phthalocyanine- C,C,C-trisulfonato(8-)-		REACH Annex XVII				0.1%
1677	77245-35-3	Nickel, bis[[didecyl (1,2-dicyano-1,2-ethenediyl)bis[carbamato]] (2-)]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1678	79357-65-6	Aluminum, triethyl-, reaction products with nickel(2+) 2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



							Effective Date. 3-36	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1679	83864-02-2	Nickel, bis[(cyano- κC)triphenylborato(1-)- κN]bis(hexanedinitrile- κN.κN')-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1680	84013-51-4	Nickel Sulfide (Ni7S3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1681	85017-75-0	Sulfuric acid, nickel(2+) salt (1:1), trihydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1682	85298-61-9	Nickel, bis(diisononylcarbamodithi	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1683	86498-45-5	oato-S,S')- Nickel Sulfide (Ni3S5),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1684	90053-13-7	trihydrate Phosphoric acid,compounds,nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1685	91845-72-6		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1686	97599-06-9	salts, basic Nickel Sulfide (Ni5S3)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1687	97599-07-0	Nickel Sulfide (Ni5S4)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1688	97599-08-1	Nickel Sulfide (Ni5S6)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1689	98443-26-6	Nickel Sulfide (Ni9S5)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		Nickelate(1-), (formato-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1690	125275-86-7	O)[sulfato(2-)-O]-, Nickelate(1-), (acetato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1691	125275-87-8	O)[sulfato(2-)-O]-,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1692	125378-87-2	[(4-methyl-3- sulfophenyl)azo]-2- naphthalenecarboxylato(3- )]-, hydrogen						0.1%
1693	27911-69-9	Nickel sulfide (Ni(HS)2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1694	936576-64-6	Nickel, tris(neodecanoato- .kappa.O)[.mu.3- [orthoborato(3-)- .kappa.O:.kappa.O':.kappa .O"]ltri-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1695	12122-15-5	Nickel carbonate hydroxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1696	85585-99-5	Nickel, naphthenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1697	85586-46-5	neodecanoate complexes Bis(1H-1,2,4-triazole-3-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		sulphonato-N2,O3)nickel [[3-[1-cyano-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1698	85958-80-1	(methylamino)-2- oxoethylidene]-2,3-dihydro- 1H-isoindol-1- vlidene](salicvlic)hydrazida						0.1%
1699	90459-30-6	Nickel, acetate carbonate C8-10-branched fatty acids C9-11-neofatty acids	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1700	90459-31-7	Nickel, borate C8-10- branched carboxylate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1701	90459-32-8	Nickel, C5-C23-branched carboxylate octanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1702	90459-33-9	Nickel, isooctanoate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1703			restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1704	90459-35-1	Nickel, [29H,31H-phthalocyaninato(2-)- N29,N30,N31,N32]-, [[3- [(5-chloro-2,6-difluoro-4- pyrimidinyl)amino]phenyl]a mino]sulfonyl sulfo derivs., sodium salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1705	90459-36-2	Nickelate(4-), [bis[[[3-[[4,5-dihydro-3-methyl-5-oxo-1-[4-[[2-[culfooxy)ethyl]sulfonyl]phenyl]-1H-pyrazol-4-yl]azo]phenyl]amino]sulfonylj-29H,31H-phthalocyaninedisulfonato(6-1-N29 N30 N31 N32]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1706	91082-81-4	Waste solids, chromium- nickel steel manuf.	By-product from refined steel manufacture containing C, Cr, Fe and Ni (as Cr-Ni-grindings) and Cr2O3, FeO, MnO. NiO and SiO2 (as burned slag).	REACH Annex XVII				0.1%
1707	91082-84-7	Waste solids, nickel- manuf.	By-product from nickel production containing NiO, SiO2, CuO, and MnO	REACH Annex XVII				0.1%
1708	91697-41-5	Fatty acids, C6-19- branched, nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1709	92200-98-1	Nickel, C5-23-branched carboxylate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1710	92200-99-2	Nickel, C5-25-branched carboxylate naphthenate octanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1711	92502-55-1	Nickel, borate neodecanoate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1712	93573-14-9	Nickel, C5-23-branched carboxylate C4-10-fatty acids naphthenate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1713	93573-15-0	Nickel, C4-10 fatty acids naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1714	93573-16-1	Nickel, C4-10 fatty acids	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
لــــــــا		octanoate complexes		<u> </u>	<u> </u>		<u> </u>	



							Effective Date: 3-Se	<u> </u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1715	93573-17-2	Nickel, [29H,31H- phthalocyaninato(2-)- N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2- [(4- aminophenyl)sulfonyl]ethyl hydrogen sulfate monosodium salt,	restricted under Annex XVII of REACH.	REACH Annex XVII		FIGURE		0.1%
1716	93762-59-5	Nickel, C5-23-branched	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1716	93762-59-5	carboxylate C4-10 fatty acids complexes						0.1%
1717	93891-86-2	Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridaziny)]carbonyl]amino]-2-sulfophenyl]azo]-4,5-dihydro-5-oxo-1-[2-sulfo-5-[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]phenyl]-1H-pyrazole-3-carboxylato(8-)-N29,N30,N31,N32]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1718	93920-08-2	(neononanoato- O)(neoundecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1719		Nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1720	93920-10-6	Nickel(2+) neononanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1721	93939-76-5	Tetrasodium [[[(3-amino-4- sulphophenyl)amino]sulph onyl]-29H,31H- phthalocyaninetrisulphonat o(6-)- N29,N30,N31,N32]nickelat e(4-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1722	93983-68-7	Dimethylhexanoic acid,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1723	94232-44-7	nickel salt Cobalt(2+) dinickel(2+) bis[2-hydroxypropane- 1,2,3-tricarboxylate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1724	94232-84-5	Dicobalt(2+) nickel(2+) bis[2-hydroxypropane- 1,2,3-tricarboxylate]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1725	94275-78-2	Nickel methacrylate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1726	94891-42-6	Nickel, [29H,31H- phthalocyaninato(2-)- N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2- [(4- aminophenyl)sulfonyljethyl hydrogen sulfate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1727	94891-43-7	monosodium salt Nickel, [29H,31H- phthalocyaninato(2-)- N29,N30,N31,N32]-, chlorosulfonyl derivs., reaction products with 2- [(4- aminophenyl)sulfonyl]ethyl hydrogen sulfate	This substance is used by consumers, in articles, in formulation or re-packing and at industrial sites.	REACH Annex XVII			Other release to the environment of this substance is likely to occur from: indoor use.	0.1%
1728	95046-47-2	Spinels, cobalt nickel zinc	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1729	97280-68-7	grey Tetrasodium [bis[[[4-[[2-(sulphooxy)ethyl]sulphonyl]phenyl]amino]sulphonyl]-29H,31H-phthalocyaninedisulphonat o(6)-N29,N30,N31,N32]nickelata(4-1). [[N,N]"-[29H,31H-	restricted under Annex XVII of REACH.  restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1730	97404-21-2	phthalocyaninetriyltris(sulp honylimino-3,1- phenylene)]tris[3- oxobutvramidato]](2-)-	restricted under Affriex XVII of REACH.	REACH Annex XVII				0.1%
1731	97404-22-3	[[N,N',N",N"'-[29H,31H-phthalocyaninetetrayltetrak is(sulphonylimino-3,1-phenylene)]tetrakis[3-oxobutyramidato]](2-)-N29,N30,N31,N32Inickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1732	97435-21-7	Copper, bis(8-quinolinolato N1,08)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1733		Nickel arsenide sulfide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1734	12137-13-2	Nickel selenide (Ni3Se2) Ammonium nickel sulfate	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1735	25749-08-0	((NH4)2Ni2(SO4)3)						0.1%
1736	10471-42-8	Nickel tartrate  Perchloric acid, nickel salt	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1737 1738	41743-88-8 67163-62-6	Nickelate(Ni4O5)(1-),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1739	44121-71-3	Nickel(2+) hydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1740	12255-80-0	Nickel subarsenide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		-	•	•	•		•	



							Ellective Date. 3-36	<u> </u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1741	14751-76-9	Acetohydroxamic acid, N- fluoren-2-yl-, nickel(2+)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1742	63938-16-9	complex Cinnamic acid, nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1743	48042-08-6	Nickelate(2-),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1744	65405-96-1	tetrakis(cyano-C)-, (SP-4- [μ-[carbonato(2-)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		O:O']]dihydroxydinickel (propan-2-ol)[[2,2'-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1745	67763-27-3	thiobis[4-(1,1,3,3- tetramethylbutyl)phenolato ]](2-)-O.O'.S]nickel						0.1%
		Potassium [[N,N'- ethylenebis[N-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1746	67906-12-1	(carboxymethyl)glycinato]]( 4-)- N,N',O,O',ON,ON']nickelat						0.1%
		e(1-) Nickel(2+) dihydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				
1747	67952-41-4	bis[R-(R*,R*)]-tartrate Nickel dichlorate	restricted under Annex XVII of REACH.					0.1%
1748	67952-43-6	Nickel(2+) glycerol	restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1749	67952-69-6	phosphate Triammonium hydrogen	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1750	67968-22-3	[[[nitrilotris(methylene)]tris[phosphonato]](6-						0.1%
1751	68016-03-5	Cobalt dimolybdenum nickel octaoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1752	68025-13-8	Diammonium nickel bis(hydrogen citrate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1753	68025-40-1	Triammonium [N,N-bis(phosphonomethyl)glyci	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1754	68025-41-2	Trisodium [N,N-bis(phosphonomethyl)glycinato(5-)]nickelate(3-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1755	68052-00-6	Tetrasodium [[[nitrilotris(methylene)]tris[ phosphonato]](6-)- N,O,O",O"nickelate(4-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1756	68130-36-9	Molybdenum nickel hydroxide oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1757	68133-84-6	[(2-amino-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1758	68134-59-8	oxoethoxy)acetato(2- Formic acid, copper nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1700	00104 00 0	salt Cobalt titanite green spinel	This substance is identified in the Colour	REACH Annex XVII				0.170
1759	68186-85-6	Cobalt nickel gray	Index by Colour Index Constitution Number, C.I. 77377. This substance is identified in the Colour					0.1%
1760	68186-89-0	periclase	Index by Colour Index Constitution Number, C.I. 77332.					0.1%
1761	68187-10-0	Nickel ferrite brown spinel	This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77497.					0.1%
1762	68309-97-7	Tris(4,7-diphenyl-1,10- phenanthroline- N1,N10)nickel(2+) bis[tetrafluoroborate(1-)]	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1763	68334-36-1	Resin acids and Rosin acids, nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1764	68391-37-7	2,3-dihydroxypropyl (dihydrogen phosphate),	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1765	70692-93-2	nickel salt (1:1) Nickel zirconium trioxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1766	68412-18-0	Nickel, [29H,31H- phthalocyaninato(2-)- N29,N30,N31,N32]-, sulfo [[4-[[2- (sulfooxy)ethyl]sulfonyl]ph	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1767	68511-62-6	envllaminolsulfonvl derivs. Nickel, 5,5'-azobis- 2,4,6(1H,3H,5H)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1768	68512-22-1	pyrimidinetrione Zinc sulfide (ZnS), nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		and silver-doped Olivine, nickel green	An inorganic pigment that is the reaction	REACH Annex XVII				
1769	68515-84-4		product of high temperature calcination in which nickel (II) oxide and silicon oxide in varying amounts are homogeneously and ionically interdiffused to form a crystalline matrix of olivine. Its composition may include any one or a combination of the modifiers alkali or					0.1%
1770	68585-93-3	Zinc sulfide (ZnS), copper	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1771	68607-31-8	and nickel-doped Resin acids and Rosin	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1772	68610-24-2	acids, calcium nickel salts Nickel barium titanium primrose priderite	This substance is identified in the Colour Index by Colour Index Constitution	REACH Annex XVII				0.1%
1773	68611-43-8	Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridazinyl)carbonyl]amino]-2-sulfophenyl[azo]-4,5-dihydro-5-oxo-1-[5-[[(trisulfo-29H,31H-phthalocyaninyl)sulfonyl]amino]-2-sulfophenyl]-1H-pyrazole-3-carboxylato(8-)-	Number, C.I. 77900. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		N29 N30 N31 N321-		I	I			1



No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1775	68784-84-9	Zinc sulfide (ZnS), copper and nickel and silver-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1776	68912-08-3	Bis(2-heptadecyl-1H-imidazole-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		N3)bis(octanoato-O)nickel Pentaammonium	restricted under Annex XVII of REACH.	REACH Annex XVII				
1777	68958-86-1	hydrogen [[[ethylenebis[nitrilobis(methylene)]]tetrakis[phosphon	restricted under Affrex XVII of NEAOTI.	REACTI ATTITES AVII				0.1%
1778	68958-87-2	Hydrogen pentapotassium [[[ethylenebis[nitrilobis(met hylene)]]tetrakis[phosphon ato]](8-)]nickelate(6-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1779	68958-88-3	Hydrogen pentasodium [[[ethylenebis[nitrilobis(met hylene)]]tetrakis[phosphon atol](8-)]nickelate(6-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1780	68958-89-4	Nickel icosatitanium pentatriacontaoxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1781	69012-29-9	diwolframate Slags, ferronickel-manufg.	By-product from the production of ferronickel from a complex ore. Consists primarily of oxides of aluminum, iron,	REACH Annex XVII				0.1%
1782	69012-50-6	Matte, nickel	magnesium and silicon. Product of blowing smelted nickel ore in a converter to lower the iron content.	REACH Annex XVII				0.1%
1783	69524-96-5	Bis(4-benzoyl-2,4-dihydro- 5-methyl-2-phenyl-3H- pyrazol-3-onato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1784	63588-33-0	Tetrapotassium [[[nitrilotris(methylene)]tris[	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1785	63597-34-2	phosphonato]](6- Tripotassium [N,N- bis(phosphonomethyl)glyci	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1786	63640-18-6	nato(5-)Inickelate(3-) Potassium [N,N- bis(carboxymethyl)glycinat	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1787	64696-98-6	o(3-)- [2,3'-bis[[(2- hydroxyphenyl)methylene] amino]but-2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1788	65405-96-1	enedinitrilato(2-)- [µ-[carbonato(2-)- O:O']]dihydroxydinickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1789		Nickelate(6-), [4-[[5-[[(3,6-dichloro-4-pyridazinyi)carbonyi]amino ]-2-sulfophenyi]azo]-4,5-dihydro-5-oxo-1-[5-[[(trisulfo-29H,31H-phthalocyaninyi]sulfonyi]amino]-2-sulfophenyi]-1H-pyrazole-3-carboxyiato(8-)-N2O N3O N3T N321.	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1790	69011-05-8	Nickel icosatitanium pentatriacontaoxide diwolframate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1791	84604-95-5	Bis[di(3,5,5- trimethylhexyl)dithiocarba mato-S,S']nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1792	84776-45-4	Fatty acids, C8-18 and C18-unsatd., nickel salts	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1793	84852-35-7	(isooctanoato- O)(neodecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1794	84852-36-8	(isodecanoato- O)(isononanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1795	84852-37-9	Nickel bis(isononanoate)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1796	84852-38-0	(2-ethylhexanoato- O)(isooctanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1797	4852-39-1	(2-ethylhexanoato- O)(isodecanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1798	85026-81-9	Bis(5-oxo-DL-prolinato- N1,O2)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1799	85135-77-9	(2-ethylhexanoato- O)(neodecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1800	85166-19-4	(isodecanoato- O)(isooctanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1801	85269-39-2	Bis[N-(2,4- dimethoxyphenyl)-2,3- bis(hydroxyimino)butyrami dato-N2.N3lnickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1802	85480-75-7	Nickel, 2,2'-thiobis[4- nonylphenol] complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1803	85508-42-5	(isodecanoato-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1804	85508-43-6	O)(neodecanoato- Nickel(II) isodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1805	85508-44-7	Nickel(2+) neodecanoate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1806	85508-45-8	(2-ethylhexanoato- O)(isononanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1807	85508-46-9	(isononanoato- O)(isooctanoato-O)nickel	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1808	85585-97-3	Nickel, isodecanoate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1809	85585-98-4	Nickel, isononanoate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1810	92200-98-1	Nickel, C5-23-branched carboxylate naphthenate complexes	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



	TRANSFORMER SOLUTIONS						Effective Date: 3-Sep-2022	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1811	97660-42-9	N1,08)-, reaction products with C8-10-branched fatty acids, tert-decanoic acid, nickel(2+) diacetate, nickel(2+) carbonate (1:1) and nickel hydroxide (Ni(OH)2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1812	98246-91-4	Speiss, lead, nickel-contg.	Product obtained and separated during the melting of nickel and other non-ferrous metals containing raw materials. Consists primarily of antimonides and arsenides of copper and nickel.	REACH Annex XVII				0.1%
1813	99587-11-8	Diammonium tetrachloronickelate(2-)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1814	99749-23-2	Cassiterite, cobalt manganese nickel grey	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1815	102110-49-6	Residues, copper-iron- lead-nickel matte, sulfuric acid-insol.	This substance is used at industrial sites.	REACH Annex XVII				0.1%
1816	14406-71-4	dyne)]-bis(phenolato)]- N.N'.O.O'-nickel(II)	This substance is used in articles, by professional workers (widespread uses), in formulation or re-packing and at industrial sites.	REACH Annex XVII				0.1%
1817	148732-74-5	Tetrasodium (c-(3-(1-(3-(e-6-dichloro-5-cyanopyrimidin-f-yl(methyl)amino)propyl)-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-3-pyridylazo)-4-sulfonatophenylsulfamoyl) phthalocyanine-a,b,d-trisulfonato(6-))nickelato II, where a is 1 or 2 or 3 or 4,b is 8 or 9 or 10 or 11,c is 15 or 16 or 17 or 18, d is	This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area, but the tonnage data is confidential.	REACH Annex XVII				0.1%
1818	151436-99-6	Hexasodium (di-[N-(3-(4-[5- (5-amino-3-methyl-1- phenylpyrazol-4-yl-azo)- 2,4-disulfo-anilino]-6- chloro-1,3,5-triazin-2- ylamino)phenyl)- sulfamoyll(di-sulfo)-	This substance is registered under the REACH Regulation and is manufactured in and / or imported to the European Economic Area, but the tonnage data is confidential.	REACH Annex XVII				0.1%
1819	738587-10-5	Nickel, 5-[2-(2-hydroxy-3,7- disulfo-1-	This substance is used by consumers, at industrial sites and in manufacturing. used in the following products: inks and toners.	REACH Annex XVII				0.1%
1820	52013-44-2	Nickel alloy, base, Ni 54.0- 57.0,Ti 43-46,C 0-0.07,Co 0-0.05,Fe 0-0.05,O 0- 0.05,Nb 0-0.025,Cr 0- 0.01 Cu 0-0.01 H 0-0.005	This substance is used in articles and at industrial sites.	REACH Annex XVII				0.1%
1821	13940-83-5	Nickel fluoride (NiF2), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1822	134737-17-0	Nickel, [[]29H,31H- phthalocyaninato(2-)- [?]N29,[?]N30,[?]N31,[?]N 32]-, [[][[]3-[[](5-chloro-6- fluoro-4- pyrimidinyl)amino]phenyl]a minolsulfonyl sulfo deriys.	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1823	79745-01-0	Nickel, [[]6,8,16,18- tetrachloro-1,11-bis(2- furanylmethyl)-1,10,11,20- tetrahydrodibenzo[[[c,j]dipy razolo[[]3,4-f:3',4'- m][[]1,2,5,8,9,12]pexaazac yclotetradecinato(2-)- N5 N10 N15 N201-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1824	14332-32-2	Nickel hydride (NiH) cobalt lithium manganese	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
1825	131866-99-4	nickel oxide Nickel, [[]29H,31H- phthalocyaninato(2-)- [?]N29,[?]N30,[?]N31,[?]N 32]-, sulfo [[][]4-[][]2- (sulfooxy)ethyl]sulfonyl]ph enyl]amino]sulfonyl derivs.,	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1827	13477-97-9		restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1828	15629-92-2	salt, hexahydrate Nickel, dichloro[[]1,1'-(1,3- propanediyl)bis[[]1,1- diphenylphosphine-[?]P]]-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1829	34492-97-2	bunsenite	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1830 1831	1314-04-1 16039-61-5	millerite nickel dilactate	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1% 0.1%
1832	11132-10-8	nickel potassium fluoride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1833	17169-61-8	phosphoric acid, calcium nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1834	19372-20-4	diphosphoric acid, nickel(II) salt E diammonium nickel	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1835	74195-78-1	hexacyanoferrate						0.1%
1836 1837	12137-12-1 74646-29-0	trinickel tetrasulfide trinickel bis(arsenite)	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1% 0.1%
1838	12737-30-3	cobalt nickel oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1839	68130-19-8	silicic acid, lead nickel salt	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%



							Effective Date. 3-3e	
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention	Other Comments	limit (%)
4040	70040 40 0	2,7-naphthalenedisulfonic	restricted under Annex XVII of REACH.	REACH Annex XVII		Protocols		0.40/
1840	72319-19-8	acid, nickel(II) salt						0.1%
1841	65229-23-4	nickel boron phosphide lithium nickel dioxide	restricted under Annex XVII of REACH.  This substance is used at industrial sites	REACH Annex XVII REACH Annex XVII				0.1%
1842	12031-65-1		and in manufacturing.					0.1%
1843	12673-58-4	molybdenum nickel oxide	metal marks on clothes and jewelry, in any post assemblies which are inserted into pierced ears and other pierced parts	REACH Annex XVII				0.1%
1844	924-42-5	N- (hydroxymethyl)acrylamide	Monomer in thermoplsatic polymer production.	REACH Candidate List: 0.1%. REACH Annex XVII				0.1%
1845	84852-39-1	(2-ethylhexanoato- O)(isodecanoato-O)nickel	this substance may cause cancer.	REACH Annex XVII				0.1%
1846	85551-28-6	(isononanoato-	this substance may cause cancer.	REACH Annex XVII				0.1%
		O)(neodecanoato- Titanate(2-), hexafluoro-,	restricted under Annex XVII of REACH.	REACH Annex XVII				
1847	34109-80-3	nickel(2+), (1:1), (OC-6-						0.1%
1848	34304-82-0	Nickel chloride (NiCl2), tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1849	12213-15-9	Nickel, bis[(2- phenyldiazenecarbothioic acid-κS) 2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
4050	00007.07.7	phenylhydrazidato-kN21- Nickel dihydroxide hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
1850 1851	36897-37-7 37187-84-1	Nickel hydride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1001	37 107-04-1	Phosphoric	restricted under Annex XVII of REACH.	REACH Annex XVII				0.170
1852	501953-51-1	acid,compounds,nickel(2+) zinc salt (2:1:2) Nickel, bis[1-[4-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1853	51449-18-4	(diethylamino)phenyl]-2- phenyl-1,2- ethenedithiolato(2-)-						0.1%
1854	51467-07-3	Nickel(2++), hexaammine-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		, dihydroxide, (OC-6-11)- Nickel(1+), [1-[2-amino-4-	restricted under Annex XVII of REACH.	REACH Annex XVII				
1855	53199-85-2	(imino-kN)-5(4H)- thiazolylidene]-N-[1-[2- amino-4-(imino-kN)-5(4H)- thiazolylidene]-1H-isoindol- 3-yl-kN]-1H-isoindol-3- aminato-kN2I chloride						0.1%
1856	10534-88-0	Hexaamminenickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1857	15242-92-9	chloride Dibromobis(tributylphosphi	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1007		ne)nickel(II) Dichlorobis(trimethylphosp	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1858	19232-05-4	hine)nickel(II)		REACH Annex XVII				0.1%
1859	14221-00-2	Nickel, tetrakis(triphenyl phosphitekappa.p)-, (t-4)-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1860	14167-20-5	N,N'- Bis(salicylidene)ethylenedi aminonickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1861	5964-71-6	Tetraethylammonium	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		tetrachloronickelate(II) Bis(tricvclohexylphosphine	restricted under Annex XVII of REACH.	REACH Annex XVII				
1862	19999-87-2	)nickel(II) Dichloride						0.1%
1863	15274-43-8	ne)nickel(II)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1864	312696-09-6	Nickel(II) bromide 2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1865	15122 00 1	methoxyethyl ether Tetrakis(triphenylphosphin	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1800	15133-82-1	e)nickel(0) dichloronickel:1.2-	and the decided of the American VIIII of DEACH					0.1%
1866	29046-78-4	dimethoxyethane	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1867	28923-39-9	Nickel(II) bromide ethylene glycol dimethyl ether complex	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1868	12645-50-0	1000 NN Ferrite	restricted under Annex XVII of REACH.	REACH Annex XVII			Substance is known to be on the EEA market in nanomaterial form.	0.1%
1869	14647-23-5	1,2- Bis(diphenylphosphino)eth ane nickel(II) chloride	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1870	15244-37-8	Nickel(II) sulfate hexa-/ heptahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1871	155773-71-0	Nickel(II) 1,4,8,11,14,18,22,25-octa- n-butoxy-29H,31H-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1070	12710-36-0	phthalocvanine Nickel carbide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.40/
1872		Nickel carbonate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1873	39430-27-8 60871-84-3	hydroxide tetrahydrate NICKEL(II) TRIFLUOROMETHANES	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		ULFONATE Nickel(II) tetrafluoroborate	restricted under Annex XVII of REACH.	DEACH AV''				
1875 1876	15684-36-3 68401-87-6	hexahydrate Tetrabutylammonium	restricted under Annex XVII of REACH.	REACH Annex XVII REACH Annex XVII				0.1%
10/0	00401-07-0	Bis(1,3-dithiole-2-thione- 4,5-dithiolato)nickel(III)						0.1%
1877	7789-49-3	Nickel(II) bromide	restricted under Annex XVII of REACH.	REACH Annex XVII		-		0.1%
1878	13520-61-1	Perchloric acid, nickel(2+) salt, hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1879	69098-15-3	Nickel(II) chloride hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1880	847654-17-5	[[]N-[[]alpha-[[]2- (Piperidinoacetamido)phe nyl benzylidene qlycinato n	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1881	903592-98-3	[[]1,3-Bis(2,6- diisopropylphenyl)imidazol- 2-	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
		vlideneltriphenvlphosphine	l	I			I	



		ER SOLUTIONS					Effective Date: 3-Se	<u> </u>
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)
1882	11079-07-5	Ethylenediaminetetraaceti c Acid Disodium Nickel(II) Salt Hydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1883	339527-86-5	Dipotassium tetracyanonickelate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1884	7785-20-8	Nickel ammonium sulfate hexahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1885	124594-15-6	Nickel sulfamate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1886	12244-51-8	Nickel(II) carbonate hydroxide tetrahydrate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1887	12035-51-7	Nickel sulfide (NiS2)	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1888	67806-76-2	azanide;nickel(2+);carbon ate nickel(2+) disodium	restricted under Annex XVII of REACH.  This substance is used by professional	REACH Annex XVII				0.1%
1889	15708-55-1	2,2',2",2"'-(ethane-1,2- diyldinitrilo)tetraacetate	workers (widespread uses), in formulation or re-packing, at industrial sites and in manufacturing.					0.1%
1890	193214-24-3	Lithium Nickel Cobalt Aluminium Oxide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1891	12059-19-7	Trinickel phosphide	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1892	106316-55-6	Nickel, aqua[2-[2-[4,5-dihydro-3-methyl-5-(oxo- κO)-1H-pyrazol-4- ylldiazenyl-	restricted under Annex XVII of REACH. restricted under Annex XVII of REACH.	REACH Assess XVIII				0.1%
1893	108818-89-9	Nickel(2+), hexakis(1H- imidazole-kN3)-, (OC-6- 11)-, 1,2- benzenedicarboxvlate	restricted under Annex XVII of REACH.	REACH Annex XVII				0.1%
1894	108171-26-2	Alkanes, C10-12, chloro (Shor tChain Chlorinated Paraffins)	SCCPs have had a variety of uses, including extreme pressure additives in metalworking fluids, flame retardants and plasticiser for rubbers and textiles, in leather processing and as a plasticiser in paints and sealing compounds. The major recent use has	REACH Candidate List: 0.1% (EU) 2019/1021, EU 2030/2015, 1% in mixtures, 0.15% in articles (EU) No. 1257/2013		Hong Kong Convention MEPC.269(68), 2015; 1%. Stockholm Convention		0.1%
1895	1691-99-2	n-Ethyl Perfluorooctane Sulfonamidoethanol	TECENT INSETTAS	EU) 2019/1021				0.1%
1896	1983-10-4	Tributyltin fluoride	Anti-fouling systems containing organotin compounds as a biocide, additive	EC Reg. 782/2003; REACH Annex XVII: 0.1%;		Hong Kong Convention MEPC.269(68),		0.1%
1897	2052-07-5	Biphenyl, 2-bromo-	Brominated flame retardant in electronic and electrical parts, in plastics and polymers etc.	(EU) No. 1257/2013 REACH Annex XVII: 0.1%; (EU) No. 1257/2013	RoHS: 0.1%	2015: 0.25% Stockholm Convention; Hong Kong Convention MEPC.269(68), 2015: 0.1%		0.1%
1898	2354-06-5	Pentachlorotrifluoropropan e (CFC-213)	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	1005/2009/EC; (EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
1899	24448-09-7	n-Methyl Perfluorooctane Sulfonamidoethanol		(EU) 2019/1021		2013		0.1%
1900	251099-16-8	Didecyldimethylammonium			(EU) 2019/1021			0.1%
1901	2536-05-2	perfluorooctane sulfonate Methylenediphenyl diisocyanate (MDI), 2,2'-	PU foam.	REACH Annex XVII: 0.1%			Danfoss decision. Prohibited in foam packaging systems, use allowed in embedding of	0.1%
1902	2795-39-3	Perfluorooctane sulfonate		(EU) 2019/1021			anowou iii omboudiiiq o	0.1%
1903	29081-56-9	Perfluorooctane Sulfonate Ammonium Salt		(EU) 2019/1021				0.1%
1904	29457-72-5	Perfluorooctane Sulfonate Lithium Salt		(EU) 2019/1021				0.1%
1905	307-35-7	rfluorooctane Sulfonyl Fluoride		(EU) 2019/1021				0.1%
1906	31506-32-8	n-Methyl Perfluorooctane Sulfonamide		(EU) 2019/1021				0.1%
1907	319-86-8	Delta-		(EU) 2019/1021				0.1%
1908	355-42-0	Tetradecafluorohexane (PFC-5- 1-14)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1909	359-35-3	Fluoromethane (HFC-134)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1910	4151-50-2	n-Ethyl Perfluorooctane Sulfonamide		(EU) 2019/1021				0.1%
1911	115-25-3	Octafluorocyclobutane (PFC-c- 318)	For PFC: also in fire extinguisher and equipment.	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1912	430-66-0		In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1913	431-63-0	Hexafluoropropane (HFC-236ea)	In heat pumps, refrigeration and air- conditioning and sprays	EU 517/2014		Kyoto Protocol	Danish Regulation 1013/2021	0.1%
1914	72101-30-5	Bromotrifluoropropane	In cleaning agents, refrigerants, propellants in aerosol spray, blowing agents for making foam and in air-condition system.	(EU) No. 1257/2013		Montreal Protocol, The Hong Kong Convention MEPC.269(68), 2015	EPA Ozone Layer protection Danish Regulation 1386/2015	0.1%
1915	56773-42-3	Tetraethylammonium			(EU) 2019/1021	ZU10		0.1%
1916	60-09-3	perfluorocctane sulfonate 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	REACH Candidate List: 0.1%, Annex XVII: 0,003% (30ppm)				0.1%



Effective Date: 3-Sep-2022
Other Comments limit (%)

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

KOHSEL TRANSFORMER SOLUTIONS			Kohsel's Negative list				Effective Date: 3-Sep-2022		
No.	CAS Number	Substance Identification	Occurence, Common use	EU Regulation	EU Directives	Convention Protocols	Other Comments	limit (%)	
1940	All		In packaging and printed materials distributed to the public	French law 2020-105 of 10. February 2020				0.1%	
1941	All		In packaging and printed materials distributed to the public	French law 2020-105 of 10. February 2020				0.1%	

KOHSEL A/S · SOENDERSKOVVEJ 1 · DK – 8362 HOERNING · PHONE: +45 87 68 08 08 · WEB: www.kohsel.dk · E-MAIL: kohsel@kohsel.dk