

## Declaration of REACH Compliance

Dear Customer:

We affirm that all VENTEC products are all defined as “Article” under Article 3(3) of REACH, and there are no substances which are intended to be released during normal and reasonable foreseeable conditions of use in our products. Therefore, we do not have the obligation of registration under REACH. According to Article 7(2), there may be substances in our products that belong to SVHC (substances of very high concern), which result in notification and other relevant obligations.

None of the REACH SVHC substances are added in our production process. Therefore, we guarantee that our products conform to the limit of the REACH regulation, each SVHC is less than 0.1%.

More information about REACH and the SVHC list can be found on the ECHA website: <http://echa.europa.eu/>

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Title: Director of Technical Division

Signature: 

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No.	English	EC number	CAS number	Potential Uses
1	Anthracene	204-371-1	120-12-7	Corrosion inhibitors: intermediates for the productions of anthraquinone, blackcarbon and dyes
2	4,4'-methylenedianiline	202-974-4	101-77-9	processed to methylenediphenyl diisocyanate (MDI): hardener for epoxy resins, high-performance polymers, and polyurethane: Paints, laquers and varnishes: Adhesives, binding agents: Construction materials: Vulcanizing agents
3	Dibutyl phthalate(DBP)	201-557-4	84-74-2	Softener(plasticizer in PVC): Softeners: Adhesives, binding agents: Paints, laquers and varnishes: Colouring agents: Construction materials: Solvents(Odour agents): Curing agents: Polishing agents
4	Cobalt dichloride	231-589-4	7646-79-9	Colouring agents: Surface treatment: Process regulators: chemical removing of oxygen(metal industry, rubber manufacturing)
5	Diarsenic pentaoxide	215-116-9	1303-28-2	Impregnation materials: Wood preservative coatings: Fillers: harden copper, lead or gold in alloys: special glass
6	Diarsenic trioxide	215-481-4	1327-53-3	Intermediates(catalytic agents, Pigments, agricultural chemicals): Flame retardants and extinguishing agents: wood preservative
7	Sodium dichromate, dihydrate	234-190-3	7789-12-0	Surface treatment: Oxidizing agents: Electroplating agents: Metal surface coating agents: inorganic chromate pigments
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	Cleaning/washing agents: Absorbents and Adsorbents: Surface treatment: Odour agents
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	204-211-0	117-81-7	Plasticiser in polymers, mainly flexible PVC: Softeners: Construction materials: Fillers: Paints, laquers and varnishes: Colouring agents: Adhesives, binding agents
10	Hexabromocyclododecane (HBCDD)	247-148-4	25637-99-4	Flame retardant(electronic and electrical equipment, textiles): Stabilizer
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	287-476-5	85535-84-8	Cooling agents for metal processing: Sealants:Paints, laquers and varnishes: Fillers: Softeners: Fixing agents: Cutting fluids
12	Bis(tributyltin)oxide	200-268-0	56-35-9	Paints, laquers and varnishes: Impregnation materials: biocides(ship craft, cages, floats, fishing nets) : Non-agricultural pesticides and preservatives
13	Lead hydrogen arsenate	232-064-2	7784-40-9	Insecticide: Herbicide: Wood preservative
14	Triethyl arsenate	427-700-2	15606-95-8	Insecticide: Wood preservative
15	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	Motor vehicle painters: Paints, laquers and varnishes: Fillers: Adhesives, binding agents: Softeners: plasticizer (softener) of PVC: Construction materials: Sealants(polysulfide based, polyurethane based, acrylic-based)



16	Anthracene oil	292-602-7	90640-80-5	paint,preservative oil, corrosion inhibitor, wood protector, water barrier,insecticide
17	Anthracene oil,anthracene paste,distn.lights	295-278-5	91995-17-4	
18	Anthracene oil,anthracene paste,anthracene fraction	295-275-9	91995-15-2	
19	Anthracene oil,anthracene-low	292-604-8	90640-82-7	
20	Anthracene oil, anthracene paste	292-603-2	90640-81-6	
21	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	Plasticizer
22	2, 4-Dinitrotoluene	204-450-0	121-14-2	Photographic chemical, polyurethane plastics, organic synthesis, dye processes
23	Coal tar pitch,high temperature	266-028-2	65996-93-2	Paint, moisture seal, wood protector and so on
24	Tris(2-chloroethyl)phosphate (TCEP)	204-118-5	115-96-8	Flame retardant, plasticizer
25	Lead sulfochromate yellow(C.I.Pigment Yellow 34)	215-693-7	1344-37-2	Making paint and ink, coloring of rubber and plastic products
26	Lead chromate molybdate sulphate red(C.I.Pigment Red 104)	235-759-9	12656-85-8	
27	Lead chromate	231-846-0	7758-97-6	
28	Acrylamide	201-173-7	79-06-1	Flocculants, adhesives, soil conditioner, paper additives, fiber processing agents and resin modified
29	Trichloroethylene	201-167-4	79-01-6	Cleaning and degreasing of metal parts, Solvent in adhesives ,Intermediate in the manufacture of chlorinated and fluorinated organic compounds.
30	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1	In biocides and preservatives, personal care products, food additives, glass, ceramics, rubber, fertilisers, flame retardants, paints, industrial fluids, brake fluids, soldering products, film developers.
31	Disodiumtetraborate anhydrou	215-540-4	1303-96-4 1330-43-4 12179-04-3	In glass and glass fibres, ceramics,detergents and cleaners, personal care products, industrial fluids, metallurgy, adhesives, flame retardants, biocides, fertilizers.
32	tetraboron disodium heptaoxide hydrate	235-541-3	12267-73-1	
33	Sodium chromate	231-889-5	7775-11-3	Manufacture of other chromium compounds.

34	Potassium chromate	232-140-5	7789-00-6	Treatment and coating of metals, Manufacture of reagents and chemicals, Manufacture of textiles. Colouring agent in ceramics, Tanning and dressing of leather. Manufacture of pigments/inks, Pyrotechnics.
35	Ammonium dichromate	232-143-1	7789-09-5	Oxidising agent, Tanning of leather, Manufacture of textiles, Manufacture of photosensitive screens (cathode ray tubes), Metal treatment.
36	Potassium dichromate	231-906-6	7778-50-9	Chrome metal manufacturing, Treatment and coating of metals, Manufacture of reagents and chemicals, Cleaning of laboratory glassware, Tanning of leather, Manufacture of textiles, Photolithography, Wood treatment, Corrosion inhibitor in cooling systems.
37	Cobalt(II)sulfate	233-334-2	10124-43-3	Catalysing, drying, surface treatment(plating), antiseptising, industrial color, decoloring for glass or china, battery, animal feed, fertilizer.
38	Cobalt(II)dinitrate	233-402-1	10141-05-6	Chemical catalysing, surface treatment, battery.
39	Cobalt(II)carbonate	208-169-4	513-79-1	Mainly used in catalyzing, also can be used for feed additive, chemical, color and adhesive.
40	Cobalt(II)diacetate	200-755-8	71-48-7	Mainly used in catalyzing, also can be used for chemical, surface treatment, alloy, color, drying, rubber adhesive and feed additive.
41	2-Methoxyethanol	203-713-7	109-86-4	Mainly used for solvent, chemical intermedium, fuel additive, dyeing infiltration.
42	2-Ethoxyethanol	203-804-1	110-80-5	Mainly used in solvent, chemical intermedium, varnishing, cleaning, dyeing.
43	Chromium trioxide	215-607-8	1333-82-0	Mainly used in metal surface treatment and antiseptising of wood.
44	Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2	Solvent produced by chromic acid and water, it has the same function as chromic acid.
45	(2-ethoxyethyl acetate)	203-839-2	111-15-9	Chemical solvents for paints, coatings, varnishes, etc.; chemical synthesis of raw materials,
46	(strontium chromate)	232-142-6	7789-6-2	Metal surface rust paint; paints, varnishes, adhesives, sealants, thinner, paint ingredients etc.
47	(1,2-Benzenedicarboxylic di-C7-11-branched and linear alkyl esters) acid,	271-084-6	68515-42-4	Used in adhesives, paint, paint, varnish; widely used in building materials, softeners, PVC plastics, roof coatings, outdoor decoration, waterproof fabrics, cement, and wire insulation for electronic communications plasticizer.
48	(Hydrazine)	206-114-9	7803-57-8 302-01-2	Rust; pharmaceutical, pesticide, paint, ink, dyes and other synthetic organic materials, composite materials and polymer monomer
49	(1-methyl-2-pyrrolidone)	212-828-1	872-50-4	For high temperature paint, acrylic latex, styrene latex; for industrial and household cleaners such as paint remover, industrial degreasers, photoresist stripping solution
50	(1,2,3-trichloropropane)	202-486-1	96-18-4	For pesticides, chlorinated solvents, used as Thiokol, the crosslinking agent hexafluoropropylene



51	(1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,	276-158-1	71888-89-6	PVC plastics, sealants, printing inks, paints and other plasticizers
52	Dichromium tris(chromate)	246-356-2	24613-89-6	Dichromium tris(chromate) is mainly used in mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminium coating sectors.
53	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	Potassium hydroxyoctaoxodizincatedichromate is mainly used in coatings in the aeronautic/ aerospace, steel and aluminium coil coating and vehicle coating sectors.
54	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	Pentazinc chromate octahydroxide is mainly used in coatings in the vehicle coating and aeronautic / aerospace sectors.
55	Aluminosilicate Refractory Ceramic Fibres(RCF)	NA	NA	Refractory ceramic fibres are used for high-temperature insulation, almost exclusively in industrial applications (insulation of industrial furnaces and equipment, equipment for the automotive and aircraft/aerospace industry) and in fire protection (buildings and industrial process equipment).
56	Zirconia Aluminosilicate Refractory Ceramic Fibres(Zr-RCF)	NA	NA	
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	Technical MDA is mainly used for manufacture of other substances. Minor uses are as ion exchange resins in nuclear power plants, as hardener for epoxy resins, e.g. for the production of rolls, pipes and moulds, and as well for adhesives.
58	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	No registration for bis(2-methoxyethyl) phthalate has been submitted to ECHA. Hence, the substance seems not to be manufactured in or imported to the EU in quantities above 1 t/y. Main uses in the past were as plasticiser in polymeric materials and paints, lacquers and varnishes, including printing inks. Formaldehyde, oligomeric reaction products with aniline (technical MDA) 500-036-1 25214-70-4 Art. 57 (a), carcinogenic Technical MDA is mainly used
59	2-Methoxyaniline	201-963-1	90-04-0	2-Methoxyaniline is mainly used in the manufacture of dyes for tattooing and coloration of paper, polymers and aluminium foil.
60	4-tert-Octylphenol	205-426-2	140-66-9	4-(1,1,3,3-Tetramethylbutyl)phenol is mainly used in the manufacture of polymer preparations and of ethoxylate surfactants. It is further used as a component in adhesives,
61	1,2-Dichloroethane	203-458-1	107-06-2	1,2-Dichloroethane is mainly used for manufacture of other substances.Minor uses as solvent in the chemical and pharmaceutical industry, as well as in laboratories coatings, inks and rubber articles.
62	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	Bis(2-methoxyethyl) ether is used primarily as a reaction solvent or process chemical in a wide variety of applications. It is also used as solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products.

63	Arsenic acid	231-901-9	7778-39-4	Arsenic acid is mainly used to remove gas bubbles from ceramic glass melt (fining agent) and in the production of laminated printed circuit boards. To lesser extent the substance is also used in the manufacture of semiconductors and as laboratory agent.
64	Calcium arsenate	231-904-5	7778-44-1	Calcium arsenate is present in complex raw materials (which themselves are by-products from metallurgical processes) that are used mainly for copper and lead refining. The substance is used to precipitate nickel from the molten metal and to manufacture diarsenic trioxide. However, most of the substance seems to be disposed of as waste.
65	Trilead diarsenate	222-979-5	3687-31-8	Trilead diarsenate is present in complex raw materials for manufacture of copper, lead and a range of precious metals. The trilead diarsenate contained in the raw materials is in the metallurgical refinement process transformed to calcium arsenate and diarsenic trioxide. Whereas most of the calcium arsenate appears to be disposed of as waste the diarsenic trioxide is used further.
66	N,N-dimethylacetamide(DMAC)	204-826-4	127-19-5	N,N-dimethylacetamide is 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, insulation paper, polyimide films, paint strippers and ink removers.
67	Phenolphthalein	201-004-7	77-09-8	Phenolphthalein is mainly used as laboratory agent (pH indicator solutions). Minor uses are in pharmaceutical preparations and in some special applications (e.g. pH-indicator paper, disappearing inks).
68	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	2,2'-Dichloro-4,4'-methylenedianiline is 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.
69	Lead diazide	236-542-1	13424-46-9	Lead diazide is mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices.
70	Lead styphnate	239-290-0	15245-44-0	Lead styphnate is mainly used as a primer for small calibre and rifle ammunition. Other common uses are in ammunition pyrotechnics, powder actuated devices and detonators for civilian use.
71	Lead dipicrate	229-335-2	6477-64-1	No registration for lead dipicrate has been submitted to ECHA. The substance is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead compounds.
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Minor use in brake fluids and repair of motor vehicles.



73	2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	Mainly used as a solvent or as a processing aid in the manufacture and formulation Of industrial chemicals, including use as an electrolyte solvent in lithium batteries.
74	Diboron trioxide	215-125-8	1303-86-2	Used in a multitude of applications, e.g., in glass and glass fibres, frits, ceramics, flame retardants, catalysts, industrial fluids, metallurgy, adhesives, inks/paints, film developers solutions, detergents and cleaners, biocides and insecticides.
75	Formamide	200-842-0	75-12-7	Mainly used as an intermediate. Minor uses as solvent, as reagent chemical (in the pharmaceutical industry) and as laboratory chemical. The substance seems further to be used in the agrochemical industry and as a plasticiser.
76	Lead(II)bis(methanesulfonate)	401-750-5	17570-76-2	Mainly used in plating (both electrolytic and electroless) processes for electronic components (such as printed circuit boards).
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione)	219-514-3	2451-62-9	Mainly used as a hardener in resins and coatings; also used in inks for the printed circuit board industry, electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing coatings, tools, adhesives, lining materials and stabilisers for plastics.
78	$\beta$ -TGIC(1,3,5-tris[(2S and2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6	Mainly used as a hardener in resins and coatings; also used in inks for the printed circuit board industry, electrical insulation material, resin moulding systems, laminated sheeting, silk screen printing coatings, tools, adhesives, lining materials and stabilisers for plastics.
79	4,4'-bis(dimethylamino) benzophenone(Michler's ketone)	202-027-5	90-94-8	Intermediate in the manufacture of triphenylmethane dyes and other substances. Further potential uses include as additive (photosensitiser) in dyes and pigments, in dry film products, as a process chemical in the production of electronic circuit boards, in research and development applications.
80	N,N,N',N'-tetramethyl-4, 4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	Intermediate in the manufacture of dyes and other substances. Used also as chemical reagent in research and development.
81	4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9	Used mainly for paper colouring and inks supplied in printer cartridges and ball pens. Further uses include staining of dried plants, marker for increasing the visibility of liquids, staining in microbial and clinical laboratories.
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5	Used in the production of inks, cleaners, and coatings, as well as for dyeing of paper, packaging, textiles, plastic products, and other types of articles. It is also used in diagnostic and analytical applications.

83	$\alpha$ , $\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	Mainly used in the production of printing and writing inks, for dyeing of paper and in mixtures such as windscreen washing agents.
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1	Used in the production of writing inks and potentially in the production of other inks, as well as for dyeing of a variety of materials.
85	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	Paint, coating, glass ceramic products
86	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	Intermediates, dyestuffs synthesis
87	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	Paint, paper, textiles, leather and so on
88	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1 243-072-0 256-356-4 260-566-1	25550-51-0 19438-60-9 48122-14-1 57110-29-9	Production of resin, rubber, polymer
89	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9 236-086-3 238-009-9	85-42-7 13149-00-3 14166-21-3	Intermediates, resin modified agent and curing agent of epoxy resin
90	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	Textile and plastics, rubber products
91	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	Electroplating, welding, analytical reagent
92	Lead dinitrate	233-245-9	10099-74-8	Dye, leather, dye
93	Silicic acid, lead salt	234-363-3	11120-22-2	Vitreous enamel products
94	4-Aminoazobenzene	200-453-6	60-09-3	Dye intermediates
95	Lead titanium zirconium oxide	235-727-4	12626-81-2	Optical products, electronic products, electronic ceramic parts



96	Lead monoxide (lead oxide)	215-267-0	1317-36-8	Glass, ceramics, paint, and rubber
97	o-Toluidine	202-429-0	95-53-4	Dye intermediates
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	Rubber products
99	Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	272-271-5	68784-75-8	Glass products
100	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	Paints, coatings, printing ink, plastic products
101	Furan	203-727-3	110-00-9	Solvent and organic synthesis
102	N,N-dimethylformamide	200-679-5	68-12-2	Leather, printed circuit board
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	Paint, printing ink, paper, glue, textiles
104	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	Paint, printing ink, paper, glue, rubber products
105	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	Insulating material, polyurethane adhesive, curing agent for epoxy resin
106	Diethyl sulphate	200-589-6	64-67-5	Production of dyes and polymer
107	Dimethyl sulphate	201-058-1	77-78-1	Production of dyes and polymer
108	Lead oxide sulfate	234-853-7	12036-76-9	Plastic products
109	Lead titanium trioxide	235-038-9	12060-00-3	Semiconductor, coating, electronic ceramic filters
110	Acetic acid, lead salt, basic	257-175-3	51404-69-4	Paint, coating, paint agent, diluent

111	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	Plastic products
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	Flame retardant
113	N-methylacetamide	201-182-6	79-16-3	Intermediates
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	Plastic products
115	1,2-Diethoxyethane	211-076-1	629-14-1	Paint, printing ink, intermediates
116	Tetralead trioxide sulphate	235-380-9	12202-17-4	Pigment, plastic products, battery
117	N-pentyl-isopentylphthalate	-	776297-69-9	plasticizer
118	Dioxobis(stearato)trilead	235-702-8	12578-12-0	Plastic products
119	Tetraethyllead	201-075-4	78-00-2	The fuel additive
120	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	Plastic products, battery
121	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	Paint, paper, textiles, leather and so on
122	Tricosafuorododecanoic acid	206-203-2	307-55-1	Paint, paper, textiles, leather and so on
123	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	Paint, paper, textiles, leather and so on
124	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	Medicine, dyestuff, spices and intermediates
125	Methoxyacetic acid	210-894-6	625-45-6	Intermediates
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	Dye, pharmaceutical intermediates and other organic synthesis
127	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	Intermediates
128	Trilead dioxide phosphonate	235-252-2	12141-20-7	Plastic stabilizer
129	o-aminoazotoluene	202-591-2	97-56-3	Dye intermediates
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	plasticizer
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	Dye intermediates, resin synthesis



132	Orange lead (lead tetroxide)	215-235-6	1314-41-6	Glass, ceramics, paint, and rubber
133	Biphenyl-4-ylamine	202-177-1	92-67-1	Dyes and pesticide intermediates
134	Diisopentylphthalate	210-088-4	605-50-5	plasticizer
135	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	Plastic products
136	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	Polymer, glue, ink
137	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	Vitreous enamel products
138	Lead cyanamidate	244-073-9	20837-86-9	Rust
139	Cadmium	231-15-2	7440-43-9	battery electrodes;anti-corrosion coating;catalyst alloy and the solar cell; pigments; plastics and polymer stabilizer
140	Cadmium oxide	215-146-2	1306-19-0	Battery electrode;production of anti-corrosion coating;catalysts, pigments and ceramic glazes; glass,alloy and optoelectronic devices; reinforced polymer heat resistance
141	Dipentyl phthalate (DPP)	205-017-9	131-18-0	Plasticizers in PVC
142	4-Nonylphenol, branched and linear, ethoxylated[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-	Mining; detergent; paints,coatings and varnishes;leather and textile processing
143	Ammonium pentadecafluorooctanoate	223-320-4	3825-26-1	Fluoropolymer and a fluorine rubber production;non-stick cookware production emulsifier
144	Pentadecafluorooctanoic acid	206-397-9	335-67-1	Fluoropolymer and a fluorine rubber production; non-stick cookware production emulsifier
145	Cadmium sulphide	215-147-8	1306-23-6	Pigment, used as colorant for enamel,ceramics, glass, plastic and ink.
146	Dihexyl phthalate	201-559-5	84-75-3	Dihexyl phthalate Plasticizer
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]biDyes for viscose, cotton, linen, silk and(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28)other textile dyeing and paperproducts; and laboratory indicators

148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] Mainly used for cotton, linen, rayon-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) and other cellulose fiber dyeing and weaving and printing
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	202-506-9	96-45-7	Imidazolidine-2-thione; Accelerators for rubber synthetic
150	Lead di (acetate)	206-104-4	301-04-2	Preparation of various solvents lead salt, paint, water repellent, paint filler, paint desiccant, fiber stains and heavy metal cyanide process
151	Trixylyl phosphate	246-677-8	25155-23-1	Trixylyl phosphate Fire retardant and plasticizer
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	plasticizer
153	Cadmium chloride	233-296-7	10108-64-2	Used in the manufacture of photographic paper and carbon Pharmacy, cadmium batteries, but also can be used as a ceramic glaze, synthetic fibers and optical mirrors auxiliaries credit agent.
154	Sodium perborate; perboric acid, sodium salt	239-172-9 234-390-0	-	Used as the oxidant of Indanthrene chromogenic dye and the original fabric bleach. As a disinfectant and fungicide on medicine. Also used as mordant, detergent, deodorant additive plating solution, analytical reagents, organic synthesis and the production of polymeric agents such as toothpaste and other cosmetics
155	Sodium peroxometaborate	231-556-4	7632-04-4	Used as disinfectant, fungicide, mordant, detergents, etc
156	Cadmium fluoride	232-222-0	7790-79-6	Electrical and electronic equipment
157	Cadmium sulphate	233-331-6	10124-36-4; 31119-53-6	Battery, electroplating
158	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	UV stabilizer and coating materials for plastic, polyurethane and rubber
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	UV stabilizer and coating materials for plastic, polyurethane and rubber
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	PVC heat stabilizer
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-	-	-	PVC heat stabilizer



	stannatetradecanoate (reaction mass of DOTE and MOTE)			
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	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).
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	-	The main use of karanal is as a fragrance ingredient.
164	1,3-Propanesultone	214-317-9	1120-71-4	Carcinogenic(Article 57 a)
165	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	vPvB((Article 57 e)
166	2-(2H-Benzotriazol-2-yl)-4-(tertbutyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	vPvB((Article 57 e)
167	Nitrobenzene	202-716-0	98-95-3	Toxic for reproduction(Article 57 c)
168	Perfluorononan-1-oic acid(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Heptadecafluorononanoic acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	Toxic for reproduction(Article 57 c) PBT(Article 57 d)
169	Benzo[def]chrysene(Benzo[a]pyrene)	200-028-5	50-32-8	Normally not manufactured intentionally but may occur as a constituent or impurity in other substances.
170	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	1980-5-7	Manufacture of polycarbonate,epoxy resins and chemicals; hardener in epoxy resins.
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	--	Manufacture of polymers;formulation into lubricants.

172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	- 206-400-3 221-470-5	3108-42-7 335-76-2 3830-45-3	Lubricant, wetting agent, plasticiser and corrosion inhibitor.
173	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	Manufacture of chemicals and plastic products.
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	206-587-1	355-46-4	Plasticiser, lubricant, surfactant, wetting agent, corrosion inhibitor and in fire-fighting foams.
175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	13560-89-9; 135821-74-8; 135821-03-3 etc.	236-948-9 -- -- etc.	Used as a non-plasticising flame retardant, used in adhesives and sealants and in binding agents.
176	Benz[a]anthracene	200-280-6	56-55-3	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.
177	Cadmium nitrate	233-710-6	10325-94-7	Used for the manufacture of glass, porcelain and ceramic products and in laboratory chemicals.
178	Cadmium carbonate	208-168-9	513-78-0	Used as a pH regulator and in water treatment products, laboratory chemicals, cosmetics and personal care products.
179	Cadmium hydroxide	244-168-5	21041-95-2	Used for the manufacture of electrical, electronic and optical equipment and in laboratory chemicals.
180	Chrysene	205-923-4	218-01-9	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	—	—	Used as a lubricant additive in lubricants and greases.