

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
Oct. 2008	1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	Carcinogenic (Article 57a)	Polyurethane production. Hardener for epoxy resins. Hardener in adhesives. Intermediate in manufacture of high-performance polymers.
	2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	vPvB (Article 57e)	Fragrance material.
	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	PBT (Article 57d); vPvB (Article 57e)	Metal working lubricants. Fat liquoring of leather. Flame retardant in textiles and rubber, in paint and in sealants and adhesives.
	4	Anthracene	120-12-7	PBT (Article 57d)	Present in coal tar, coal tar distillation products, coal tar-containing products (paints, waterproof membranes, etc.) and creosote.
	5	Diarsenic pentoxide	1303-28-2	Carcinogenic (Article 57a)	Used in the dyeing industry. Used in metallurgy (to harden copper, lead or gold in alloys). Manufacturing special glass. Wood preservatives.
	6	Diarsenic trioxide	1327-53-3	Carcinogenic (Article 57a)	Decolorizing agent for glass and enamels. Refining and oxidizing agent for manufacturing special glass and lead crystal formulations. Wood preservative. Hydrogen recombination poison for metallurgical studies. Preparation of elemental arsenic, arsenic alloys and arsenide semiconductors. Cytostatic in treatment of refractory promyelocytic (M3) subtype of acute myeloid leukemia.
	7	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - environment); Endocrine disrupting properties (Article 57(f) - human health)	Plasticiser in polymers, such as PVC.
	8	Bis(tributyltin) oxide (TBTO)	56-35-9	PBT (Article 57d)	Biocides in antifouling paints and coatings and for other biocidal uses.
	9	Benzyl butyl phthalate (BBP)	85-68-7	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - human health)	Adhesives, sealants and coating products.
	10	Cobalt dichloride	7646-79-9	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Intermediate in the manufacture of other cobalt compounds, in tyre adhesion additives, organic textile dyes, and drying agents for paints. Surface treatment processes, as water treatment / corrosion inhibition chemical, as colourant or for discolouring in the production of inorganic pigments & frits, glass, and ceramic ware, in varistors and magnets, as well as in humidity indicators.
	11	Dibutyl phthalate (DBP)	84-74-2	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - human health)	Plasticizer in resins and polymers such as polyvinyl chloride. Used in printing inks, adhesives, sealants/grouting agents, nitrocellulose paints, film coatings and glass fibers. Used in cosmetics, as perfume solvent and fixative, suspension agent for solids in aerosols, lubricant for aerosol valves, antifoamer, skin emollient, plasticizer in nail polish and fingernail elongators.
	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	PBT (Article 57d)	Flame retardant in polystyrene (PS). Used to flame-retard textiles (for furniture, automobile interiors etc). Used in high impact PS (HIPS).
	13	Lead hydrogen arsenate	7784-40-9	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Pesticide.
	14	Sodium dichromate	10588-01-9, 7789-12-0	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c)	Manufacture of other chromium compounds as chromium sulfate. Manufacture of inorganic chromate pigments. Metal finishing, aiding corrosion resistance. Vitamin K manufactures. Preparation of coloured glass and ceramic glazes. Mordant in dyeing. Manufacture of essential oil and perfumes.
	15	Triethyl arsenate	15606-95-8	Carcinogenic (Article 57a)	Potentially used in fabrication of integrated circuits.
Jan. & Mar. 2010	16	Anthracene oil	90640-80-5	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	Manufacture of other substances such as anthracene and carbon black. Reducing agents in blast furnaces, as components in bunker fuel, for impregnating, sealing and corrosion protection.
	17	Anthracene oil, anthracene paste, distn. lights	91995-17-4	Carcinogenic (Article 57a); Mutagenic (Article 57b); PBT (Article 57d); vPvB (Article 57e)	Manufacture of other substances such as anthracene and carbon black. Reducing agents in blast furnaces, as components in bunker fuel, for impregnating, sealing and corrosion protection.
	18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	Carcinogenic (Article 57a); Mutagenic (Article 57b); PBT (Article 57d); vPvB (Article 57e)	Manufacture of other substances such as anthracene and carbon black. Reducing agents in blast furnaces, as components in bunker fuel, for impregnating, sealing and corrosion protection.
	19	Anthracene oil, anthracene-low	90640-82-7	Carcinogenic (Article 57a); Mutagenic (Article 57b); PBT (Article 57d); vPvB (Article 57e)	Manufacture of other substances such as anthracene and carbon black. Reducing agents in blast furnaces, as components in bunker fuel, for impregnating, sealing and corrosion protection.
	20	Anthracene oil, anthracene paste	90640-81-6	Carcinogenic (Article 57a); Mutagenic (Article 57b); PBT (Article 57d); vPvB (Article 57e)	Manufacture of other substances such as anthracene and carbon black. Reducing agents in blast furnaces, as components in bunker fuel, for impregnating, sealing and corrosion protection.
	21	Pitch, coal tar, high-temp.	65996-93-2	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	Production of electrodes for industrial applications. Heavy duty corrosion protection, special purpose paving, manufacture of other substances and the production of clay targets.
	22	tris(2-chloroethyl)phosphate (TCEP)	115-96-8	Toxic for reproduction (Article 57c)	Additive plasticiser and viscosity regulator with flame-retarding properties for acrylic resins, polyurethane, polyvinyl chloride and other polymers. Adhesives, coatings, flame resistant paints and varnishes. Furniture, the textile and the building industry.
	23	2,4-dinitrotoluene	121-14-2	Carcinogenic (Article 57a)	Production of toluene diisocyanate, which is used for the manufacture of flexible polyurethane foams. Gelatinizing-plasticizing agent for the manufacture of explosives.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
	24	Diisobutyl phthalate (DIBP)	84-69-5	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - human health)	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 material and nail polish.
	25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Production of agricultural equipment, vehicles and aircraft as well as road and airstrip painting.
	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Colouring, painting and coating agent in sectors such as the rubber, plastic and paints, coatings and varnishes industries. Production of agricultural equipment, vehicles and aircraft as well as road and airstrip painting. Camouflage or ammunition marking in the defence area.
	27	Lead chromate	7758-97-6	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Manufacturing pigments and dyes. Pigment or coating agent in industrial and maritime paint products or varnishes. Formulation of detergents and bleaches, photosensitive materials, the manufacture of pyrotechnic powder or the embalming / restoring of art products.
	28	Acrylamide	79-06-1	Carcinogenic (Article 57a); Mutagenic (Article 57b)	Synthesis of polyacrylamides. Preparation of polyacrylamide gels for research purposes. Grouting agent in civil engineering.
	--	Aluminosilicate-, Refractory Ceramic-Fibres			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)
	--	Zirconia-Aluminosilicate-, Refractory Ceramic-Fibres			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).
Jun. 2010	29	Trichloroethylene	79-01-6	Carcinogenic (Article 57a)	Intermediate in the manufacture of chlorinated and fluorinated organic compounds. Cleaning and degreasing of metal parts. Solvent in adhesives.
	30	Boric acid	10043-35-3 11113-50-1	Toxic for reproduction (Article 57c)	Component of detergents and cleaners, adhesives, toys, industrial fluids, brake fluids, glass, ceramics, flame retardants, paints, disinfectants, cosmetics, food additives, fertilisers, insecticides and other products.
	31	Disodium tetraborate, anhydrous	12179-04-3, 1303-96-4, 1330-43-4	Toxic for reproduction (Article 57c)	Detergents and cleaners, in glass and glass fibres, ceramics, industrial fluids, metallurgy, adhesives, flame retardants, personal care products, biocides, fertilisers.
	32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	Toxic for reproduction (Article 57c)	Detergents and cleaners, in glass and glass fibres, ceramics, industrial fluids, metallurgy, adhesives, flame retardants, personal care products, biocides, fertilisers.
	33	Sodium chromate	7775-11-3	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c)	Intermediate in the manufacture of other chromium compounds. Laboratory analytical agent.
	34	Potassium chromate	7789-00-6	Carcinogenic (Article 57a); Mutagenic (Article 57b)	Corrosion inhibitor for treatment and coating of metals. Manufacture of reagents, chemicals and textiles. Colouring agent in ceramics. Manufacture of pigments/inks. Analytical agent in the laboratory.
	35	Ammonium dichromate	7789-09-5	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c)	Oxidising agent. Manufacture of photosensitive screens. Mordant in the manufacture of textiles. Metal treatment and laboratory analytical agent.
	36	Potassium dichromate	7778-50-9	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c)	Chrome metal manufacturing and as corrosion inhibitor for treatment and coating of metals. Textile mordant. Laboratory analytical agent, for cleaning of laboratory glassware. Manufacture of other reagents. Oxidising agent in photolithography.
Dec. 2010	37	Cobalt(II) sulphate	10124-43-3	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Manufacture of other chemicals including pigments and possibly catalysts, driers. Surface treatments (such as electroplating), corrosion prevention, decolourisation (in glass, pottery). Batteries, animal food supplements and soil fertilisers.
	38	Cobalt(II) dinitrate	10141-05-6	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Manufacture of other chemicals including catalysts. Surface treatment. Batteries.
	39	Cobalt(II) carbonate	513-79-1	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Manufacture of catalysts. Feed additive. Manufacture of other chemicals including pigments. Adhesive in ground coat frit.
	40	Cobalt(II) diacetate	71-48-7	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Manufacture of catalysts or as a catalyst. Manufacture of other chemicals including pigments, surface treatments, in alloys, dyes, rubber adhesion, and as a feed additive.
	41	2-methoxyethanol	109-86-4	Toxic for reproduction (Article 57c)	Chemical intermediate. Solvent or a laboratory chemical.
	42	2-ethoxyethanol	110-80-5	Toxic for reproduction (Article 57c)	Chemical intermediate. Solvent or a laboratory chemical.
	43	Chromium trioxide	1333-82-0	Carcinogenic (Article 57a); Mutagenic (Article 57b)	Metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. Fixing agent in waterborne wood preservatives. Manufacture of pigments and paints. Catalyst and detergent manufacture. Oxidising agent.
	44	Acids generated from chromium trioxide and their oligomers	7738-94-5 13530-68-2	Carcinogenic (Article 57a)	Metal finishing, such as electroplating (e.g. hard chrome and decorative plating), conversion coatings and brightening. Fixing agent in waterborne wood preservatives. Manufacture of pigments and paints. Catalyst and detergent manufacture. Oxidising agent.
	45	2-ethoxyethyl acetate (2-EEA)	111-15-9	Toxic for reproduction (Article 57c)	Solvent in coatings and in the chemical industry. Intermediate in the manufacture of cyanoacrylate adhesives.
	46	Strontium chromate	7789-06-2	Carcinogenic (Article 57a)	Corrosion inhibitor in coating mixtures used in the aeronautic/aerospace sector, in the coil coating sector of steel and aluminium and in the vehicle coating sector.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
Jun. 2011	47	1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUF)	68515-42-4	Toxic for reproduction (Article 57c)	Plasticiser in PVC, foam, adhesives and coatings.
	48	Hydrazine	302-01-2, 7803-57-8	Carcinogenic (Article 57a)	Manufacture of hydrazine derivatives. Monomer in polymerisations. Corrosion inhibitor in water treatment and for metal reduction and refining of chemicals. Propellant for aerospace vehicles. Fuel in military (emergency) power units.
	49	1-Methyl-2-pyrrolidone (NMP)	872-50-4	Toxic for reproduction (Article 57c)	Solvent in coatings, cleaning products, for electronic equipment manufacture, as well as in semiconductor industry, petrochemical processing, pharmaceuticals and agrochemicals.
	50	1,2,3-trichloropropane	96-18-4	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	Intermediate in the manufacture of chlorinated solvents and agricultural products. Monomer. Solvent, paint and varnish remover and as degreasing agent.
	51	1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C7-rich (DIHP)	71888-89-6	Toxic for reproduction (Article 57c)	Plasticiser in PVC and in sealants, coatings and potentially printing inks.
Dec. 2011	52	Dichromium tris(chromate)	24613-89-6	Carcinogenic (Article 57a)	Mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminium coating sectors.
	53	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	Carcinogenic (Article 57a)	Coatings in the aeronautic/ aerospace, steel and aluminium coil coating and vehicle coating sectors.
	54	Pentazinc chromate octahydroxide	49663-84-5	Carcinogenic (Article 57a)	Coatings in the vehicle coating and aeronautic / aerospace sectors.
	55	Aluminosilicate Refractory Ceramic Fibres (Al-RCF)	-	Carcinogenic (Article 57a)	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	Ziconia Aluminosilicate, Refractory Ceramic Fibres (ZrAl-RCF)	-	Carcinogenic (Article 57a)	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).
	57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	Carcinogenic (Article 57a)	Manufacture of other substances. 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 (DMEP)	117-82-8	Toxic for reproduction (Article 57c)	Plasticiser in polymeric materials and paints, lacquers and varnishes, including printing inks.
	59	2-Methoxyaniline, o-Anisidine	90-04-0	Carcinogenic (Article 57a)	Manufacture of dyes for tattooing and coloration of paper, polymers and aluminium foil.
	60	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	Endocrine disrupting properties (Article 57(f) - environment)	Manufacture of polymer preparations and of ethoxylate surfactants. Component in adhesives, coatings, inks and rubber articles.
	61	1,2-dichloroethane	107-06-2	Carcinogenic (Article 57a)	Manufacture of other substances. Solvent in the chemical and pharmaceutical industry, as well as in laboratories.
	62	Bis(2-methoxyethyl) ether	111-96-6	Toxic for reproduction (Article 57c)	Reaction solvent or process chemical in a wide variety of applications. Solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products.
	63	Arsenic acid	7778-39-4	Carcinogenic (Article 57a)	Remove gas bubbles from ceramic glass melt (fining agent) and in the production of laminated printed circuit boards. Manufacture of semiconductors. Laboratory agent.
	64	Calcium arsenate	7778-44-1	Carcinogenic (Article 57a)	Present in complex raw materials (which themselves are by-products from metallurgical processes) that are used mainly for copper and lead refining. Used to precipitate nickel from the molten metal and to manufacture diarsenic trioxide.
	65	Trilead diarsenate	3687-31-8	Carcinogenic (Article 57a); Toxic for reproduction (Article 57c)	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.
	66	N,N-dimethylacetamide	127-19-5	Toxic for reproduction (Article 57c)	Solvent, mainly in the manufacture of various substances and in the production of fibres for clothing. Rereagent, and in products such as industrial coatings, insulation paper, polyimide films, paint strippers and ink removers.
	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	Carcinogenic (Article 57a)	Curing agent in resins and in the production of polymer articles and also for manufacture of other substances. Construction and arts.
	68	Phenolphthalein	77-09-8	Carcinogenic (Article 57a)	Laboratory agent (pH indicator solutions). Pharmaceutical preparations. Special applications (e.g. pH-indicator paper, disappearing inks).
	69	Lead diazide, Lead azide	13424-46-9	Toxic for reproduction (Article 57c)	Initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices.
	70	Lead styphnate	15245-44-0	Toxic for reproduction (Article 57c)	Primer for small calibre and rifle ammunition. Ammunition pyrotechnics, powder actuated devices and detonators for civilian use.
	71	Lead dipicrate	6477-64-1	Toxic for reproduction (Article 57c)	Explosive, used in low amounts in detonator mixtures together with the two other mentioned lead compounds.
	72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	Toxic for reproduction (Article 57c)	Solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Brake fluids and repair of motor vehicles.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
Jun. 2012	73	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	Toxic for reproduction (Article 57c)	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	1303-86-2	Toxic for reproduction (Article 57c)	Glass and glass fibres, frits, ceramics, flame retardants, catalysts, industrial fluids, metallurgy, nuclear, electrical equipment, adhesives, inks/paints, film developing solutions, detergents and cleaners, reagent chemicals, biocides and insecticides.
	75	Formamide	75-12-7	Toxic for reproduction (Article 57c)	Intermediate in the manufacture of agrochemicals, pharmaceuticals and industrial chemicals. Solvent, laboratory reagent for quality control purposes in forensic laboratories, hospitals, pharmaceutical companies, food and drinks manufacturers and research laboratories. Plasticiser.
	76	Lead(II) bis(methanesulfonate)	17570-76-2	Toxic for reproduction (Article 57c)	Plating processes (both electrolytic and electroless) for electronic components (such as printed circuit boards). Batteries in special applications.
	77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	Mutagenic (Article 57b)	Hardener in resins and coatings. 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	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	Mutagenic (Article 57b)	Solder mask ink. 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)	90-94-8	Carcinogenic (Article 57a)	Intermediate in the manufacture of triphenylmethane dyes and other substances. Additive (photosensitiser) in dyes and pigments, in dry film products and as a process chemical in the production of electronic circuit boards.
	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	Carcinogenic (Article 57a)	Intermediate in the manufacture of dyes and other substances.
	81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	Carcinogenic (Article 57a)	Formulation of inks, cleaners, and coatings, as well as for dyeing paper, packaging, textiles, plastic products, and other types of articles. Diagnostic and analytical applications.
	82	[4-[[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	Carcinogenic (Article 57a)	Paper colouring and inks supplied in printer cartridges and ball pens. Staining of dried plants, use as a marker for increasing the visibility of liquids, staining in microbial and clinical laboratories.
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	Carcinogenic (Article 57a)	Formulation of writing inks and potentially other inks, as well as for dyeing a variety of materials.	
84	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	Carcinogenic (Article 57a)	Formulation of printing and writing inks, for dyeing paper and in mixtures such as windscreen washing agents.	
	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	PBT (Article 57d); vPvB (Article 57e)	Additive flame retardant in plastics/polymers and textiles.
	86	Pentacosafuorotridecanoic acid	72629-94-8	vPvB (Article 57e)	Production of fluoropolymers and fluorotelomers and as additives and components in consumer and industrial products.
	87	Tricosafuorododecanoic acid	307-55-1	vPvB (Article 57e)	Production of fluoropolymers and fluorotelomers and as additives and components in consumer and industrial products.
	88	Henicosafuoroundecanoic acid	2058-94-8	vPvB (Article 57e)	Production of fluoropolymers and fluorotelomers and as additives and components in consumer and industrial products.
	89	Heptacosafuorotetradecanoic acid	376-06-7	vPvB (Article 57e)	Production of fluoropolymers and fluorotelomers and as additives and components in consumer and industrial products.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
Dec. 2012	90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	123-77-3	Respiratory sensitising properties (Article 57(f) - human health)	Blowing agent in the rubber and plastics industry. Blowing agent, aging and bleaching ingredient, foaming agent, catalyst, insulating material, construction material, cement filler, colouring agent, additive. Bleaching agent in photography.
	91	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	Respiratory sensitising properties (Article 57(f) - human health)	Manufacture of alkyd resins, plasticizers, insect repellents, rust inhibitors and as hardener in epoxy resins.
	92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	Respiratory sensitising properties (Article 57(f) - human health)	Manufacture of polyester and alkyd resins and plasticizers for thermoplastic polymers. Hardeners for epoxy resins and chain cross-linkers for thermoplastic polymers.
	93	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	-	Endocrine disrupting properties (Article 57(f) - environment)	Formulation of paints. Industrial end-use of paints. Consumer and professional end-use of products (e.g. paints). Use of ethoxylates in emulsion polymerisation.
	94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	Endocrine disrupting properties (Article 57(f) - environment)	Formulation of paints. Industrial end-use of paints. Use of ethoxylates in emulsion polymerisation. Used as intermediate for production of ether sulphates. Consumer and professional end-use of products (e.g. paints).
	95	Methoxyacetic acid	625-45-6	Toxic for reproduction (Article 57c)	Intermediate, for use in industrial settings.
	96	N,N-dimethylformamide; dimethyl formamide	68-12-2	Toxic for reproduction (Article 57c)	Production of synthetic/artificial leather of polyurethane. Manufacture of printed circuit boards. Reagent and catalyst for syntheses in organic chemistry. Solvent in syntheses and for crystallizing.
	97	Dibutyltin dichloride (DBTC)	683-18-1	Toxic for reproduction (Article 57c)	Additive in rubber, stabiliser in PVC plastics, catalyser in the production of polyurethanes and silicones. Insulations and coatings.
	98	Lead monoxide (lead oxide)	1317-36-8	Toxic for reproduction (Article 57c)	Laboratory chemicals, adsorbents and coating products. Explosives and polymers.
	99	Orange lead (lead tetroxide)	1314-41-6	Toxic for reproduction (Article 57c)	Coating products and fillers, putties, plasters, modelling clay. Laboratory chemicals and adsorbents. Explosives and polymers.
	100	Lead bis(tetrafluoroborate)	13814-96-5	Toxic for reproduction (Article 57c)	Metal surface treatment products, non-metal-surface treatment products and laboratory chemicals.
	101	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	Toxic for reproduction (Article 57c)	Semiconductors. Intermediates Mineral products (e.g. plasters, cement).
	102	Lead titanium trioxide	12060-00-3	Toxic for reproduction (Article 57c)	Semiconductors. Electrical, electronic and optical equipment.
	103	Lead titanium zirconium oxide	12626-81-2	Toxic for reproduction (Article 57c)	Scientific research and development. Electrical, electronic and optical equipment, machinery and vehicles and mineral products (e.g. plasters, cement).
	104	Silicic acid, lead salt	11120-22-2	Toxic for reproduction (Article 57c)	Potentially closed industrial processing with minerals/metals at elevated temperature (e.g. smelters, furnaces, refineries, coke ovens).
	105	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	68784-75-8	Toxic for reproduction (Article 57c)	Coating products.
	106	1-bromopropane (n-propyl bromide)	106-94-5	Toxic for reproduction (Article 57c)	Washing & cleaning products, extraction agents and metal surface treatment products. Chemicals, plastic products, fabricated metal products, electrical, electronic and optical equipment and machinery and vehicles. Intermediates.
	107	Methyloxirane (Propylene oxide)	75-56-9	Carcinogenic (Article 57a); Mutagenic (Article 57b)	Polymers, coating products, metal surface treatment products and lubricants and greases. Intermediates Chemicals. Scientific research and development. Machine wash liquids/detergents, automotive care products, paints and coating or adhesives, fragrances and air fresheners.
	108	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	Toxic for reproduction (Article 57c)	Plasticisers in plastic material.
	109	Diisopentylphthalate (DIPP)	605-50-5	Toxic for reproduction (Article 57c)	Propellants and explosives. Plasticiser for PVC products and other polymers.
110	n-pentyl-isopentylphthalate	776297-69-9	Toxic for reproduction (Article 57c)	Plasticisers in plastic material.	

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
	111	1,2-diethoxyethane	629-14-1	Toxic for reproduction (Article 57c)	Solvent in paints, inks and cleaning fluids. Hydraulic and brake fluids, anti-icing agents and chemical intermediates.
	112	Acetic acid, lead salt, basic	51404-69-4	Toxic for reproduction (Article 57c)	Laboratory chemicals, coating products, fillers, putties, plasters, modelling clay and pH regulators and water treatment products. Intermediates. Chemicals and electrical, electronic and optical equipment.
	113	Lead oxide sulfate(basic lead sulfate)	12036-76-9	Toxic for reproduction (Article 57c)	Coating products and polymers. Chemicals.
	114	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	Toxic for reproduction (Article 57c)	Polymers. Plastic products.
	115	Dioxobis(stearato)trilead	12578-12-0	Toxic for reproduction (Article 57c)	Polymers. Plastic products.
	116	Fatty acids, C16-18, lead salts	91031-62-8	Toxic for reproduction (Article 57c)	polymers. Plastic products.
	117	Lead cyanamidate	20837-86-9	Toxic for reproduction (Article 57c)	Pigment.
	118	Lead dinitrate	10099-74-8	Toxic for reproduction (Article 57c)	Explosives, coating products, fillers, putties, plasters, modelling clay, laboratory chemicals and finger paints. Chemicals and machinery and vehicles. Intermediates.
	119	Pentalead tetraoxide sulphate	12065-90-6	Toxic for reproduction (Article 57c)	Polymers. Electrical, electronic and optical equipment, machinery and vehicles, plastic products and chemicals. Intermediates.
	120	Pyrochlore, antimony lead yellow	8012-00-8	Toxic for reproduction (Article 57c)	Coating products and inks and toners. Mineral products (e.g. plasters, cement).
	121	Sulfurous acid, lead salt, dibasic	62229-08-7	Toxic for reproduction (Article 57c)	Polymers and coating products. Plastic products and machinery and vehicles.
	122	Tetraethyllead	78-00-2	Toxic for reproduction (Article 57c)	Fuels.
	123	Tetralead trioxide sulphate	12202-17-4	Toxic for reproduction (Article 57c)	Polymers and coating products. Plastic products, machinery and vehicles, electrical, electronic and optical equipment, chemicals and metals.
	124	Trilead dioxide phosphonate	12141-20-7	Toxic for reproduction (Article 57c)	Polymers, coating products and adhesives and sealants. Plastic products, chemicals and rubber products.
	125	Furan	110-00-9	Carcinogenic (Article 57a)	Intermediates.
	126	Diethyl sulphate	64-67-5	Carcinogenic (Article 57a); Mutagenic (Article 57b)	Polymers. Intermediates Chemicals.
	127	Dimethyl sulphate	77-78-1	Carcinogenic (Article 57a)	Polymers. Intermediates Chemicals.
	128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Toxic for reproduction (Article 57c)	Moisture scavenger for use in urethane coatings, sealants and elastomers.
	129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	Toxic for reproduction (Article 57c)	Polymers. Chemicals and plastic products.
	130	4,4'-methylenedi-otoluidine	838-88-0	Carcinogenic (Article 57a)	Intermediates.
	131	4,4'-oxydianiline and its salts	101-80-4	Carcinogenic (Article 57a); Mutagenic (Article 57b)	Polymers, metal surface treatment products, photo-chemicals and semiconductors. Plastic products, fabricated metal products and electrical, electronic and optical equipment.
	132	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	Carcinogenic (Article 57a)	Intermediates.
	133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	Carcinogenic (Article 57a)	Chemicals. Intermediates.
	134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	Carcinogenic (Article 57a)	Chemicals. Intermediates.
	135	Biphenyl-4-ylamine	92-67-1	Carcinogenic (Article 57a)	Laboratory research. Rubber antioxidant Dye intermediate. Detection of sulfates.
	136	o-aminoazotoluene	97-56-3	Carcinogenic (Article 57a)	Coloring oils, fats and waxes. Manufacture of pigments. Chemical intermediate for the production of dyes.
	137	o-Toluidine; 2-Aminotoluene	95-53-4	Carcinogenic (Article 57a)	Laboratory chemicals. Intermediates. Scientific research and development.
	138	N-methylacetamide	79-16-3	Toxic for reproduction (Article 57c)	Laboratory chemicals and pharmaceuticals.
	139	Cadmium	7440-43-9	Carcinogenic (Article 57a); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	Battery electrodes, alloys and metal coatings.
	140	Cadmium oxide	1306-19-0	Carcinogenic (Article 57a); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	Electrodes, metal coating, metal cadmium, alloy production. Batteries. Increase heat resistance of polymers. Ceramic glaze, catalysts, photo-electronics and as a veterinary biocide. Pigments, metal coatings, stabilizers, alloys and solar cells.
	141	Dipentyl phthalate (DPP)	131-18-0	Toxic for reproduction (Article 57c)	Plasticizer in polyvinyl chloride.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
Jun. 2013	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]	-	Endocrine disrupting properties (Article 57(f) - environment)	Mining purposes (e.g. floating agents for ore extraction). Formulation of paints. Emulsion polymerisation.
	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Toxic for reproduction (Article 57c); PBT (Article 57d)	Processing aid in the production of Fluoropolymers and fluoroelastomers.
	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	Toxic for reproduction (Article 57c); PBT (Article 57d)	Processing aid of fluoropolymers like polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF).
Dec. 2013	145	Cadmium sulphide	1306-23-6	Carcinogenic (Article 57a); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	Pigment in polymers (plastic, rubber, coating, printing ink) and ceramic glazes. Semiconductors (Solar cell).
	146	Dihexyl phthalate(DHP)	84-75-3	Toxic for reproduction (Article 57c)	Plasticizer for cellulose & vinyl plastics. Making of plastisols that are subsequently used in the manufacture of automobile parts (air filters, battery covers) and dip-moulded products (tool handles, dishwasher baskets).
	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Carcinogenic (Article 57a)	Dye for e.g. textile and paper. pH indicator, as an addition to culture media and for biological staining, e.g. in histology. Gelling agent for poly(vinyl alcohol).
	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)	1937-37-7	Carcinogenic (Article 57a)	Dyeing of textiles, leather and paper.
	149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	Toxic for reproduction (Article 57c)	Accelerator for vulcanizing polychloroprene (neoprene) and polyacrylate rubbers. Electroplating baths, as an intermediate in antioxidant production, and in dyes, pharmaceuticals, and synthetic resins.
	150	Lead di(acetate)	301-04-2	Toxic for reproduction (Article 57c)	Manufacture of fine chemicals. Manufacture of computer, electronic and optical products, electrical equipment. Metallic dryer.
	151	Trixylyl phosphate	25155-23-1	Toxic for reproduction (Article 57c)	Functional fluid (fire resistant fluids, hydraulic fluids, lubricants, lubricant additives, grease products, metal working fluid). Flame retardant in the production of plastics. Plasticiser.
Jun. 2014	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (diisohexyl phthalate (DIHP))	68515-50-4	Toxic for reproduction (Article 57c)	Sealant/jointing agents. Engine oil stabilizer. Automotive gear lubricant. Plasticiser in polymers.
	153	Cadmium chloride	10108-64-2	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Specific target organ toxicity after repeated exposure (Article 57(f) human health)	Raw material for synthesis of other cadmium compounds, in electroplating and electrogalvanizing. Manufacturing of solar cells. Laboratory reagent.
	154	Sodium perborate, perboric acid, sodium salt	-	Toxic for reproduction (Article 57c)	Bleaching agent in laundry detergents and machine dishwashing products. Cleaning products and in cosmetic preparation.
	155	Sodium peroxometaborate	7632-04-4	Toxic for reproduction (Article 57c)	Bleaching agent in laundry detergents and machine dishwashing products. Cleaning products and in cosmetic preparation.
Dec. 2014	156	Cadmium fluoride	7790-79-6	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Specific target organ toxicity after repeated exposure (Article 57(f) human health)	Research chemical. Photoelectronic devices.
	157	Cadmium sulphate	10124-36-4, 31119-53-6	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Specific target organ toxicity after repeated exposure (Article 57(f) human health)	Intermediate for industrial production of inorganic cadmium compounds. Laboratory reagent. Raw material for metal surface coating. Restoring of lead acid batteries.
	158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	PBT (Article 57d); vPvB (Article 57e)	Adsorbents used for the manufacture of rubber and plastic products.
	159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	PBT (Article 57d); vPvB (Article 57e)	Light stabilizing in coatings, ABS resin, epoxy resin, fiber resin, propylene and polyvinyl chloride. Light stabilization of unsaturated polyester, polyacrylate and polycarbonate.
	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	Toxic for reproduction (Article 57c)	Heat stabiliser in the production of PVC to prevent the elimination of HCl. Production of un-plasticised PVC. Packaging material (food and pharmaceutical packaging) and credit cards. Window profiles, pipes (e.g. drinking pipes) and bottles used to keep shampoos, shower gels and detergents.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
	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-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	Toxic for reproduction (Article 57c)	Heat stabiliser in the production of PVC to prevent the elimination of HCl. Production of un-plasticised PVC. Packaging material (food and pharmaceutical packaging) and credit cards. Window profiles, pipes (e.g. drinking pipes) and bottles used to keep shampoos, shower gels and detergents.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
Jun. 2015	162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	Toxic for reproduction (Article 57c)	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 stereoisomers of [1] and [2] or any combination thereof]	-	vPvB (Article 57e)	Fragrance ingredient.
Dec. 2015	164	Perfluorononan-1-oi-c acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	Toxic for reproduction (Article 57c); PBT (Article 57d)	Processing aid for fluoropolymer manufacture/lubricating oil additive/surfactant for fire extinguishers/cleaning agent/textile antifouling finishing agent/polishing surfactant/waterproofing agents and in liquid crystal display pane.
	165	Nitrobenzene	98-95-3	Toxic for reproduction (Article 57c)	Manufacture of other substances.
	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	vPvB (Article 57e)	UV-protection agents in coatings, plastics, rubber and cosmetics.
	167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	vPvB (Article 57e)	UV-protection agents in coatings, plastics, rubber and cosmetics.
	168	1,3-propanesultone	1120-71-4	Carcinogenic (Article 57a)	Electrolyte fluid of lithium ion batteries.
Jun. 2016	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); PBT (Article 57d); vPvB (Article 57e)	Normally not manufactured intentionally but may occur as a constituent or impurity in other substances.
Jan. 2017	170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - environment); Endocrine disrupting properties (Article 57(f) - human health)	Manufacture of polycarbonate. Hardener for epoxy resins. Anti-oxidant for processing PVC and in thermal paper production.
	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	Toxic for reproduction (Article 57c); PBT (Article 57d)	Lubricant, wetting agent, plasticiser and corrosion inhibitor.
	172	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]	-	Endocrine disrupting properties (Article 57(f) - environment)	Manufacture of polymers. Formulation into lubricants.
	173	p-(1,1-dimethylpropyl)phenol	80-46-6	Endocrine disrupting properties (Article 57(f) - environment)	Manufacture of chemicals and plastic products.
Jul. 2017	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	vPvB (Article 57e)	Plasticiser, lubricant, surfactant, wetting agent, corrosion inhibitor and in fire-fighting foams.
Jan. 2018	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	vPvB (Article 57e)	Non-plasticising flame retardant, used in adhesives and sealants and in binding agents.
	176	Benz[a]anthracene	56-55-3	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	Normally not produced intentionally but rather occurs as a constituent or impurity in other substances.
	177	Cadmium nitrate	10325-94-7	Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	Manufacture of glass, porcelain and ceramic products and in laboratory chemicals.
	178	Cadmium carbonate	513-78-0	Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	pH regulator and in water treatment products, laboratory chemicals, cosmetics and personal care products.

Published date	No	Substance name	CAS No.	Reason for inclusion	Possible Application
	179	Cadmium hydroxide	21041-95-2	Carcinogenic (Article 57a); Mutagenic (Article 57b); Specific target organ toxicity after repeated exposure (Article 57(f) - human health)	Manufacture of electrical, electronic and optical equipment and in laboratory chemicals.
	180	Chrysene	218-01-9	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	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]	-	Endocrine disrupting properties (Article 57(f) - environment)	Lubricant additive in lubricants and greases.
Jun. 2018	182	Octamethylcyclotetra siloxane (D4)	556-67-2	PBT (Article 57d); vPvB (Article 57e)	Washing and cleaning products, polishes and waxes and cosmetics and personal care products.
	183	Decamethylcyclopentasiloxane (D5)	541-02-6	PBT (Article 57d); vPvB (Article 57e)	Washing and cleaning products, polishes and waxes, cosmetics and personal care products, textile treatment products and dyes.
	184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	PBT (Article 57d); vPvB (Article 57e)	Washing and cleaning products, polishes and waxes, cosmetics and personal care products.
	185	Lead	7439-92-1	Toxic for reproduction (Article 57c)	Metals, welding and soldering products, metal surface treatment products, and polymers.
	186	Disodium octaborate	12008-41-2	Toxic for reproduction (Article 57c)	Anti-freeze products, heat transfer fluids, lubricants and greases, and washing and cleaning products.
	187	Benzo[ghi]perylene	191-24-2	PBT (Article 57d); vPvB (Article 57e)	Research chemical.
	188	Terphenyl, hydrogenated	61788-32-7	vPvB (Article 57e)	Plastic additive, solvent, in coatings/inks, in adhesives and sealants, and heat transfer fluids.
	189	Ethylenediamine (EDA)	107-15-3	Respiratory sensitising properties (Article 57(f) - human health)	Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, pH regulators and water treatment products.
	190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	Respiratory sensitising properties (Article 57(f) - human health)	Manufacture of esters and polymers.
	191	Dicyclohexyl phthalate (DCHP)	84-61-7	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) - human health)	Plastisol, PVC, rubber and plastic articles. Phlegmatizer and dispersing agent for formulations of organic peroxides.
Jan. 2019	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	Toxic for reproduction (Article 57c)	Materials for polycarbonate resins.
	193	Benzo[k]fluoranthene	207-08-9	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)	Optical sensor for nitro-aromatic compounds.
	194	Fluoranthene	206-44-0	PBT (Article 57d); vPvB (Article 57e)	Intermediate for dyes (fluorescent), pharmaceuticals and agrochemicals.
	195	Phenanthrene	85-01-8	vPvB (Article 57e)	Manufacture of pesticides and dyes. Stabilizer of pesticides and smokeless powder explosives.
	196	Pyrene	129-00-0	PBT (Article 57d); vPvB (Article 57e)	Transported intermediate for the manufacture of fine chemicals.
	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one	15087-24-8	Endocrine disrupting properties (Article 57(f) - environment)	Sunscreen chemical.
Jul. 2019	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)	Processing aid in the production of fluorinated polymers.
	199	4-tert-butylphenol	98-54-4	Endocrine disrupting properties (Article 57(f) - environment)	Coating products, polymers, adhesives, sealants and for the synthesis of other substances.
	200	2-methoxyethyl acetate	110-49-6	Toxic for reproduction (Article 57c)	Industrial solvent.
	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	Endocrine disrupting properties (Article 57(f) - environment)	Antioxidant to stabilise polymers.
Jan. 2020	202	Diisohexyl phthalate	71850-09-4	Toxic for reproduction (Article 57 (c))	Plasticizer.
	203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophe none	119313-12-1	Toxic for reproduction (Article 57 (c))	Polymer production.
	204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Toxic for reproduction (Article 57 (c))	Polymer production.
	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment); Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)	Catalyst/ additive/reactant in polymer manufacture and in chemical synthesis. Flame retardant in polycarbonate (for electronic equipment).