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## List of ECHA Candidates

No.	Substance Name	EC Number	CAS Number	Application
1	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	Raw material to produce methylenediphenyl diisocyanate for PUR (main application). Hardener in epoxy resins, adhesives.
2	Bis(tributyltin) oxide (TBTO)	200-268-0	56-35-9	Biocide in anti-fouling paint and other biocide uses, also for industrial use.
3	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	Plasticizer (mainly for PVC), adhesives, inks, lacquers, small use in package, cosmetics.
4	Anthracene	204-371-1	120-12-7	From coal tar distillation. Raw material for other synthesis.
5	Triethyl arsenate	427-700-2	15606-95-8	Wood preservation (phased out), pesticide, glass goods, E&E products, PVC.
6	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4; 221-695-9	25637-99-4; 3194-55-6  (134237-50-6) (134237-51-7) (134237-52-8)	Flame retardant (mainly in PS). In constructions, buildings also in flame-retard textiles and E&E products.
7	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	Cosmetics
8	Alkanes, C10-13, Chloro (Short chain chlorinated paraffins)	287-476-5	85535-84-8	Metal working lubricants, fat liquoring of leather. Flame retardant in textiles, rubber, paint, sealants, adhesives.
9	Cobalt dichloride	231-589-4	7646-79-9	Absorber for gases, humidity indicator (e.g., silica gels), to produce vitamin B12, dye mordant for glass industry, solid lubricant, catalyst, invisible inks, drying agent, production of non-ferrous metals, electroplating, additive in rubber production.
10	Sodium dichromate	234-190-3	7789-12-0; 10588-01-9	Production of other Cr-product as chromate pigments, use for paints and plastic coloration, corrosive protection for metals, in vitamin K production, preparation of colored glass and ceramic glazes, in wood preparation, in production of essential oils and perfumes.
11	Bis(2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	Plasticizer in resins and polymers (mainly PVC).
12	Lead hydrogen arsenate	232-064-2	7784-40-9	Wood preservation (phased out), pesticide, glass goods, E&E products, PVC.
13	Diarsenic pentoxide	215-116-9	1303-28-2	Dying industry, metallurgy (harden copper, lead, gold), special glasses, wood preservation.
14	Diarsenic trioxide	215-481-4	1327-53-3	Decolorizing agent for glass and enamels, application in glass and lead glass industry, wood preservation, to produce other As chemicals.



No.	Substance Name	EC Number	CAS Number	Application
15	Dibutyl phthalate (DBP)	201-557-4	84-74-2	Plasticizer in resins and polymers (mainly PVC). Also used in printing inks, adhesives (e.g. paper, package), sealant/grouting agents, nitrocellulose paints, film coatings, glass fibers, and consumer products.
16	2,4-Dinitrotoluene	204-450-0	121-14-2	Used as intermediate in the production of TDI, which is used to produce Polyurethane. Gelatinizing-plasticizing agent. Automotive airbags. Intermediate for Azo dyes.
17	Anthracene oil	292-602-7	90640-80-5	These Anthracene oils consist of PAH. It is mainly used as an intermediate to produce pure Anthracene which is used to produce dyes. Also used in carbon black, pharmaceuticals, wood preservative, waterproof membranes for roofing, asphalt, industrial viscosity modifiers.
18	Anthracene oil, anthracene paste, distn. Lights	295-278-5	91995-17-4	
19	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	
20	Anthracene oil, anthracene-low	292-604-8	90640-82-7	
21	Anthracene oil, anthracene paste	292-603-2	90640-81-6	
22	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	Plasticizer in several consumer products (e.g. crayons, bar ends of run bikes, erasers, toys, perfumes).
23	<b>Aluminosilicate, Refractory Ceramic Fibres</b>  <i>fulfil the three following conditions:  a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges  b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)  c) alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content less or equal to 18% by weight</i>	650-017-00-8*	-	Aluminosilicate Refractory Ceramic Fibres are a special category of synthetic vitreous fibers, commonly known as man-made vitreous fibers. May be used in electrical and domestic appliances, like glass ceramic hobs, electric ovens and grills, microwaves, gas-fired apparatus. Also in fire protection windows and doors, motor construction.

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No.	Substance Name	EC Number	CAS Number	Application
24	<p><b>Zirconia Aluminosilicate, Refractory Ceramic Fibres</b></p> <p><i>fulfil the three following conditions:</i>  <i>a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content less or equal to 18% by weight</i></p>	650-017-00-8*	-	<p>Zirconia Aluminosilicate Refractory Ceramic Fibers are a special category of synthetic vitreous fibers, commonly known as man-made vitreous fibers.</p> <p>May be used in electrical and domestic appliances, like glass ceramic hobs, electric ovens and grills, microwaves, gas-fired apparatus. Also in fire protection windows and doors, motor construction.</p>
25	<b>Lead chromate</b>	231-846-0	7758-97-6	<p>Basis for lead chromate pigments (e.g. C.I. Pigment Red 104 and C.I. Pigment Yellow 34). Lead chromate based paints are used in paints for their corrosive protections properties and bright colors.</p>
26	<b>Lead chromate molybdate sulfate red (C.I. Pigment Red 104)</b>	235-759-9	12656-85-8	<p>C.I. Pigment Red 104 is a colorant based on lead chromate and used i.e. as pigment in plastic coloring, as well as industrial paint. Also reported are textile printing, leather finishing, some printing inks.</p>
27	<b>Lead sulfochromate yellow (C.I. Pigment Yellow 34)</b>	215-693-7	1344-37-2	<p>C.I. Pigment Yellow 34 is a colorant based on lead chromate and used i.e. as pigment in plastic coloring, as well as industrial paint.</p>
28	<b>Tris(2-chloroethyl)phosphate</b>	204-118-5	115-96-8	<p>Used as flame retardant. (Historical use in Polyurethane foam in EU).</p>
29	<b>Coal tar pitch, high temperature</b>	266-028-2	65996-93-2	<p>Coal tar pitch is a residue from distillation of coal tar containing various aromatic compounds. Used as coal substitute in steel industry, coke making process, production of carbon black.</p>
30	<b>Acrylamide</b>	201-173-7	79-06-1	<p>Intermediate in polyacrylamide production.</p>
31	<b>Trichloroethylene</b>	201-167-4	79-01-6	<p>Cleaning and degreasing of metal parts, used in adhesives, chemical intermediates, in leather and textile processing industries and in paints, lacquers and varnishes industry.</p>

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No.	Substance Name	EC Number	CAS Number	Application
32	Boric acid	233-139-2; 234-343-4	10043-35-3; 11113-50-1	In biocides and preservatives, personal care products, disinfectants, preservatives in wood, textile, paper, leather, rubber, polymers, additives in several products like dental products, food, glass, ceramics, rubber, fertilizers, flame retardants, paints, industrial fluids, brake fluids, soldering products, film developers.
33	Disodium tetraborate, anhydrous	215-540-4	1330-43-4; 12179-04-3; 1303-96-4	In glass and glass fibers, ceramics, detergents and cleaners, metallurgy, flame retardants.
34	Tetraboron disodium heptaoxide, Hydrate	235-541-3	12267-73-1	In glass and glass fibers, ceramics, detergents and cleaners, personal care products, industrial fluids, metallurgy, adhesives, flame retardants, biocides, fertilizers.
35	Sodium chromate	231-889-5	7775-11-3	Steel and alloy industry, leather and textile industry, laboratory (analytical agent), Manufacture of other chromium compounds.
36	Potassium chromate	232-140-5	7789-00-6	Treatment and coating of metals, manufacture of reagents and chemicals, manufacture of textiles, coloring agent in ceramics, tanning and dressing of leather, manufacture of pigments/inks, laboratory (analytical reagent), pyrotechnics.
37	Ammonium dichromate	232-143-1	7789-09-5	Oxidizing agent, laboratory (analytical agent), tanning of leather, manufacture of textiles, manufacture of photosensitive screens (cathode ray tubes), metal treatment.
38	Potassium dichromate	231-906-6	7778-50-9	Chrome metal manufacturing, treatment and coating of metals, manufacture of reagents and chemicals, laboratory (analytical agent), cleaning of laboratory glassware, tanning of leather, manufacture of textiles, photolithography, wood treatment, corrosion inhibitor in cooling systems.
39	Cobalt(II) sulphate	233-334-2	10124-43-3	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, decolourisation (in glass, pottery), in batteries, animal food supplements and soil fertilisers.
40	Cobalt(II) dinitrate	233-402-1	10141-05-6	Cobalt(II) dinitrate is mainly used in the manufacture of other chemicals including catalysts. Further applications may include surface treatment and in batteries.

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No.	Substance Name	EC Number	CAS Number	Application
41	Cobalt(II) carbonate	208-169-4	513-79-1	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.
42	Cobalt(II) diacetate	200-755-8	71-48-7	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.
43	2-Methoxyethanol	203-713-7	109-86-4	2-methoxyethanol is mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical.
44	2-Ethoxyethanol	203-804-1	110-80-5	2-ethoxyethanol is mainly used as a chemical intermediate. Further minor uses are as a solvent or a laboratory chemical.
45	Chromium trioxide	215-607-8	1333-82-0	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 manufacture of pigments and paints, in catalyst and detergent manufacture, and as an oxidising agent.
46	Acids generated from chromium trioxide and their oligomers  Group containing: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5 not yet assigned	7738-94-5 13530-68-2 not yet assigned	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 preservatives. Minor uses are e.g. in the manufacture of pigments and paints, in catalyst and detergent manufacture, and as an oxidising agent.
47	2-ethoxyethyl acetate	203-839-2	111-15-9	In paints, adhesives, glues, cosmetics, leather, wood stains, semi-conductors, photographic and photolithographic.
48	Strontium chromate	232-142-6	7789-06-2	In paints, varnishes and oil colors, metal conditioners or in aluminium flake coatings
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	271-084-6	68515-42-4	Plasticizer in PVC, electrical cables & adhesives
50	Hydrazine	206-114-9	302-01-2; 7803-57-8	In metal coatings on glass & plastics, in plastics, rubber, PU & dyes

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No.	Substance Name	EC Number	CAS Number	Application
51	1-methyl-2-pyrrolidone	212-828-1	872-50-4	Solvent in coating, surface treatment of textiles & resins and metal coated plastics
52	1,2,3-trichloropropane	202-486-1	96-18-4	Solvent in degreasers, cleaning solutions, paint thinners, pesticides, resins & glues
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	276-158-1	71888-89-6	Plasticizer in PVC, sealants & printing inks
54	Dichromium tris(chromate)	246-356-2	24613-89-6	Main use in mixtures for metal surface treatment in aeronautic/ aerospace, steel and aluminum coating sectors.
55	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	Main use in coatings in aeronautic/ aerospace, steel and aluminum coil coating and vehicle coating sectors.
56	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	Main use in coatings in vehicle coating and aeronautic / aerospace sectors.
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	Raw material for production of other substances. Minor use as hardener for epoxy resins, e.g. in rolls, pipes and moulds, and adhesives.
58	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	Main uses in the past were as plasticiser in polymeric materials and paints, lacquers and varnishes, including printing inks.
59	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	Main use in production of dyes for tattooing and coloration of paper, polymers and aluminum foil.
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	Main use in production of polymer preparations and ethoxylates. Further use as a component in adhesives, coatings, inks and rubber articles.
61	1,2-Dichloroethane	203-458-1	107-06-2	Main use in production of other substances. Minor use as solvent in the chemical and pharmaceutical industry.
62	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	Used as solvent or process chemical in various applications. Used also as solvent for battery electrolytes and in other products (sealants, adhesives, fuels and automotive care products).
63	Arsenic acid	231-901-9	7778-39-4	Used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards.
64	Calcium arsenate	231-904-5	7778-44-1	Present in complex raw materials imported for manufacture of copper, lead and other precious metals. Main use as precipitating agent in copper smelting and to manufacture diarsenic trioxide.

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No.	Substance Name	EC Number	CAS Number	Application
65	Trilead diarsenate	222-979-5	3687-31-8	Used in complex raw materials imported for production of copper, lead and other precious metals. During metallurgical refinement process, it is transformed to calcium arsenate and diarsenic trioxide.
66	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	Used as solvent in production of other substances and fibres for clothing and other applications. Also used as reagent, and in products (industrial coatings, polyimide films, paint strippers and ink removers).
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	Used as curing agent in resins and in the production of polymer articles and production of other substances. Further use in construction and arts.
68	Phenolphthalein	201-004-7	77-09-8	Main use as pH indicator (laboratory), for the production of pH-indicator paper and in medicinal products.
69	Lead azide, Lead diazide	236-542-1	13424-46-9	Use as initiator or booster in detonators (civilian and military) and as initiator in pyrotechnics
70	Lead styphnate	239-290-0	15245-44-0	Use as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, powder actuated devices and detonators for civilian use.
71	Lead dipicrate	229-335-2	6477-64-1	Explosive compound like lead diazide and lead styphnate and may be used 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	1,2-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.

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No.	Substance Name	EC Number	CAS Number	Application
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 and 2R)-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 (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.

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No.	Substance Name	EC Number	CAS Number	Application
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	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	Used as flame retardant in plastics, binders, paints, varnishes, floor covering materials, manufacture of printed circuit boards, home electronics coatings (e.g. television cabinets), office electronics, including mobile telephone equipment, within textile applications, upholstery, cables and insulation materials.
86	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	Used as non-stick water and stain-repellent in food wrappers, kitchen pans, clothing and food packaging. Also used as fire extinguisher foam.
87	Tricosafuorododecanoic acid	206-203-2	307-55-1	Used as non-stick water and stain-repellent in food wrappers, kitchen pans, clothing and food packaging. Also used as fire extinguisher foam.
88	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	Used as non-stick water and stain-repellent in food wrappers, kitchen pans, clothing and food packaging. Also used as fire extinguisher foam.
89	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	Used as non-stick water and stain-repellent in food wrappers, kitchen pans, clothing and food packaging. Also used as fire extinguisher foam.
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	Used in the production of plastics, foams and coatings as blowing agent, aging and bleaching ingredient, foaming agent or catalyst. Main areas are insulating material, construction material and cement filler. Also used in adhesive, coatings or inks.
91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	Intermediate of alkyd resins, plasticizers, insect repellents and rust inhibitors. Also used as hardener in epoxy resins.

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No.	Substance Name	EC Number	CAS Number	Application
92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Widely used in the manufacture of polyester and alkyd resins and as plasticizers for thermoplastic polymers. Also used as hardeners for epoxy resins and chain cross-linkers for thermoplastic polymers.
93	4-Nonylphenol, branched and linear	-	-	In textile production, paper production as a component of phenolic resins used in coatings, e.g. for carbonless copy paper, and other NP-resins used for printing inks. It is also used as raw material in the production of ethoxylated Nolyphenols.
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	-	Part of polymer dispersions in the production of paints, paper, inks, adhesives and carpet backings. Emulsifier in finishing agents for covering leather and textiles with a thin polymer film.
95	Methoxyacetic acid	210-894-6	625-45-6	As an intermediate for the manufacture of chemical products, and as cleaning/washing agent in the buildings sector.
96	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	Solvent for the production of polymers used e.g. in plastics, artificial leathers, coatings, resin. Formulation of mixtures e.g. paints, adhesives, coatings, pesticides and medicines. Furthermore used in acetylene bottles.
97	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	As stabilizer in plastics. Catalyst in the production of polyurethanes and silicones used for insulation and coatings.
98	Lead oxide (lead monoxide)	215-267-0	1317-36-8	Additive in PVC- and rubber products. It is also used in lead battery production, in crystal glass production and in the production of ceramic ware. Historically also used as pigments.
99	Lead tetroxide (orange lead)	215-235-6	1314-41-6	Additive in PVC- and rubber products. It is also used in lead battery production, in crystal glass production, in the production of ceramic ware, in manufacture of rubber protection, in lead oxide and stabilizer production. Historically also used as pigments.
100	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	Used in electroplating & laboratory use.

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No.	Substance Name	EC Number	CAS Number	Application
101	Trilead bis(carbonate)dihydroxide (basic lead carbonate)	215-290-6	1319-46-6	Raw material of PTC ceramics and semiconductors. Historically also used in pigments.
102	Lead titanium trioxide	235-038-9	12060-00-3	Used in the manufacture of semiconductors for computers, electronic and optical products.
103	Lead titanium zirconium oxide	235-727-4	12626-81-2	Used in the manufacture of semiconductors for computers, electronic and optical products.
104	Silicic acid, lead salt	234-363-3	11120-22-2	Found in lead crystal ware
105	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	272-271-5	68784-75-8	Especially used in coatings of light bulbs.
106	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	Mostly used as solvent for fats, waxes or resins, in some spray adhesives and as cleaner in the metal and electronics industries.
107	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	Used as intermediate in the polymer and chemicals production, could also be used as fumigation agent
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	Could be used as plasticizer in plastics or coatings
109	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	As plasticizer for nitrocellulose propellants, possibly also in plastic materials
110	N-pentyl-isopentylphthalate (iPnPP)	-	776297-69-9	Could be used as plasticizer in plastics or coatings.
111	1,2-Diethoxyethane	211-076-1	629-14-1	As inert solvent in the production of ester gum, shellac and some resins and oils. Also used as solvent for detergents and dyes in non-grain raising stains.

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No.	Substance Name	EC Number	CAS Number	Application
112	Acetic acid, lead salt, basic	257-175-3	51404-69-4	Used in few hair cosmetics and as intermediate in the production of lead compounds
113	Lead oxide sulphate	234-853-7	12036-76-9	Could be used as stabilizer in PVC products.
114	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)	273-688-5	69011-06-9	Could be used as additive in PVC products.
115	Dioxobis(stearato)trilead	235-702-8	12578-12-0	Could be used as stabilizer in PVC products, medical applications and lubricants.
116	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	Could be used as stabilizer in PVC products and as intermediate in the lead battery production.
117	Lead cyanamidate	244-073-9	20837-86-9	As anti-corrosion agent in paint
118	Lead dinitrate	233-245-9	10099-74-8	Compound in Pigment production and in the production of explosives and matches. Also used as textile etchant
119	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	Could be used as stabilizer in PVC products and as intermediate in the lead battery production.
120	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	As pigment in lead glazes for ceramic articles. Also used in historical pigments
121	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	Could be used as stabilizer in PVC products and as intermediate in the lead battery production.
122	Tetraethyllead	201-075-4	78-00-2	Historical use as fuel additive.

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No.	Substance Name	EC Number	CAS Number	Application
123	Tetralead trioxide sulphate	235-380-9	12202-17-4	Could be used as stabilizer in PVC products and as intermediate in the lead battery production.
124	Trilead dioxide phosphonate	235-252-2	12141-20-7	Could be used as stabilizer in PVC products and as intermediate in the lead battery production.
125	Furan	203-727-3	110-00-9	Intermediate in the production of THF and for special resins for mold castings.
126	Diethyl sulphate	200-589-6	64-67-5	Intermediate in the synthesis of polymers and fine chemicals.
127	Dimethyl sulphate	201-058-1	77-78-1	Used as raw material for various chemicals, cosmetics, paints and medical products.
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	In paints for polyurethane, in polyurethane finishings and sealants as moisture scavenger or reactant diluent.
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	Possibly additive in styrene production, has also been used as pesticide.
130	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	As intermediate for laboratory use, monomer in high performance polyimide products. It's also a component in the production of certain azo dyes.
131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	As monomer in high performance polyimide products. It's also a component in the production of certain azo dyes.
132	4-aminoazobenzene	200-453-6	60-09-3	Used as intermediate for the production of certain azo dyes.
133	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	202-453-1	95-80-7	In the production of sulfur dyes, and as intermediate in the production of PU-Plastics. It's also a component in the production of certain azo dyes.

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No.	Substance Name	EC Number	CAS Number	Application
134	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	Intermediate in the production of PU-Plastics and certain azo dyes.
135	Biphenyl-4-ylamine	202-177-1	92-67-1	Intermediate for the production of certain azo dyes.
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	202-591-2	97-56-3	Intermediate for the production of certain azo dyes.
137	o-toluidine	202-429-0	95-53-4	Intermediate for the production of certain azo dyes.
138	N-methylacetamide	201-182-6	79-16-3	Used as laboratory chemical.
139	Cadmium	231-152-8	7440-43-9	For production of battery electrodes, alloys, pigments, as stabilizer in PVC and metal coatings.
140	Cadmium oxide	215-146-2	1306-19-0	As a raw material for batteries & solar cells. Also used in pigments, catalysts, metal coating to increase heat resistance of polymers (e.g. Teflon). Other uses of the oxide are in ceramic glaze, photo-electronics and as a veterinary biocide.
141	Dipentyl phthalate (DPP)	205-017-9	131-18-0	Could be used as plasticizer in plastics or coatings.
142	4-Nonylphenol, branched and linear, ethoxylated	-	-	Widely used in paints, cleaning products, adhesives, sealants & lubricants, as well as metal finishing
143	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	Mostly used in the production of Fluoropolymers that are then used as dirt or water repellent finishes in textiles, carpets, upholstery, paper, leather, toner, cleaning agents and carpet care solutions, sealants, floor waxes, paints, impregnating agents.
144	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	

\* Index number in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures.

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