



旭日實業有限公司
Early Light Industrial Co., Ltd.

REACH Requirement for Early Light
(SVHC as listed below)

File name: REACH (rev R)

Update on Feb. 24, 2021

No.	Chemical Name	CAS No.	Possible Application
1	4,4'-Diaminodiphenylmethane	101-77-9	Curing agent for epoxy resin in PCB, preparation of PU, azo dyes in
2	5-tert-butyl-2,4,6-trinitro-m-xylene	81-15-2	Cosmetics and soap perfumes
3	Alkanes, C10-13 chloro (short chain chlorinated paraffins)	85535-84-8	Leather coating, plasticizer in PVC and chlorinated rubber, flame retardant in plastic & textiles
4	Anthracene	120-12-7	Source of dyestuff
5	Diarsenic pentaoxide	1303-28-2	Insecticides, weed killer, wood preservatives, coloured glass, dyeing and printing
6	Diarsenic trioxide	1327-53-3	Weed killers, timber preservatives, manufacture of special glass
7	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	Plasticizer for resin, PVC, blister
8	Bis(tributyltin)oxide (TBTO)	56-35-9	Pesticide, fungicide in paint
9	Benzyl butyl phthalate (BBP)	85-68-7	Plasticizer for resin, PVC, acrylics
10	Cobalt dichloride	7646-79-9	Mainly used as intermediate in the manufacture of other cobalt compounds, in tyre adhesion additives, organic textile dyes, and drying agents for paints. Furthermore it is used in surface treatment processes, as water treatment / corrosion inhibition chem
11	Dibutyl phthalate (DBP)	84-74-2	Plasticizer, in adhesives and paper coatings; insect repellent for textiles
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4; 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	Flame retardant used in HIPS and textiles
13	Lead hydrogen arsenate	7784-40-9	Insecticides
14	Sodium dichromate	7789-12-0; 10588-01-9	Chrome-tanning of leather, corrosion inhibitor in paints, mordant in textile dyeing process
15	Triethyl arsenate	15606-95-8	Intermediates for semi-conductor
16	Anthracene oil	90640-80-5	Mainly in the manufacture of other substances, such as refined anthracene, carbon black, restore promoter, part of the fuel and marine fishing, anti-corrosion
17	Anthracene oil, anthracene paste, distn.	91995-17-4	
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	
19	Anthracene oil, anthracene-low	90640-82-7	
20	Anthracene oil, anthracene paste	90640-81-6	
21	Pitch, coal tar, high temperature	65996-93-2	Paint, moisture seal



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22	tris(2-chloroethyl)phosphate (TCEP)	115-96-8	Flame retardant, plasticizer
23	2,4-Dinitrotoluene	121-14-2	Manufacture of explosives, polyurethane plastics, organic
24	Diisobutyl phthalate (DIBP)	84-69-5	Plasticizer
25	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	Used as additives for painting and coatings, printing inks and in plastics
26	Lead sulfochromate yellow(C.I. Pigment Yellow 34)	1344-37-2	Used as colorant in painting, printing inks and plastic
27	Lead chromate	7758-97-6	Used as colorant in painting, printing inks, rubber and plastic
28	Acrylamide	79-06-1	Synthesis of Polyacrylamide: for waste water treatment and paper processing, as a filling agent for textile processing.
29	Trichloroethylene	79-01-6	Metal parts cleaning and degreasing; binder in the solvent; production of chlorinated and fluorinated organic compounds Media.
30	Boric acid	10043-35-3 11113-50-1	For pesticides, preservatives, personal care products, food additives, glass, ceramics, rubber, fertilizer, flame retardants, paints, industrial fluids, brake fluids, welding products, printing agent.
31	Disodium tetraborate, anhydrous	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	12267-73-1	
33	Sodium chromate	7775-11-3	Manufacture of other chromium compounds
34	Potassium chromate	7789-00-6	Used as a corrosion inhibitor for treatment and coating of metals, for manufacture of reagents, chemicals and textiles, as a colouring agent in ceramics, in the manufacture of pigments/inks and in the laboratory as analytical agent.
35	Ammonium dichromate	7789-09-5	Mainly used as an oxidising agent. Other known uses are in the manufacture of photosensitive screens and as mordant in the manufacture of textiles. Minor uses seem to comprise metal treatment



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36	Potassium dichromate	7778-50-9	Used for chrome metal manufacturing and as corrosion inhibitor for treatment and coating of metals. It is further used as textile mordant, as laboratory analytical agent, for cleaning of laboratory glassware, in the manufacture of other reagents and as ox
37	Cobalt(II) sulphate	10124-43-3	Used in ceramic glazes and paint driers, also used in electroplating, alkaline batteries, the production of chromium chromium pigments and other products, but also for catalysts, reagents, feed additives, adhesives tires.
38	Cobalt(II) dinitrate	10141-05-6	Mainly used in the manufacture of other chemicals including catalysts. Further applications may include surface treatment and in batteries.
39	Cobalt(II) carbonate	513-79-1	Mainly used for magnetic materials, electronic components materials, carbide materials, ceramic, enamel, ceramic, glaze, glass, cobalt catalyst.
40	Cobalt(II) diacetate	71-48-7	Manufacture of catalysts, production of other chemicals, surface treatment, alloys, production of pigments, dyes, rubber adhesion, and feed additive.
41	2- Methoxyethanol	109-86-4	Solvents, varnish thinners, printing and dyeing industry as a penetrant and leveling agent, used as an additive fuel industry, the textile industry for dyeing auxiliaries.
42	2-Ethoxyethanol	110-80-5	Used as solvent, and the leather coloring agents, emulsifiers, stabilizers, paint thinner, paint remover, organic intermediates.
43	Chromium trioxide	1333-82-0	Used in electroplating, production of high purity chromium, dyes, synthetic rubber and oil refining, water, wood preservatives fixative.



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44	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	For metal surface treatment, such as electroplating, softening film, brightening agent. Wood preservatives as a fixing agent. May also be used as paints, pigments, catalysts, detergent production, as well as oxidants.
45	2-ethoxyethyl acetate (2-EEA)	111-15-9	Paint, paint solvents; chemical intermediates; plastics and rubber coatings.
46	Strontium chromate	7789/6/2	Chrome plating; pigments and metal corrosion inhibitor; PVC colorants, automotive coatings.
47	1,2-Benzenedicarboxylic acid, di-C ₇₋₁₁ -branched and linear alkyl esters (DHNUP)	68515-42-4	Plastics, sealants and adhesives plasticizer.
48	Hydrazine	7803-57-8 302-01-2	For the manufacture of isoniazid, photographic developing agents, jet fuel, rocket fuel, antioxidants, reducing agents, high-pressure boiler feed water deoxidation agent. also used as intermediate for synthesis in pharmaceuticals, agrochemicals, paints, inks and organic dyes,
49	1-methyl-2-pyrrolidone	872-50-4	For senior oil refining, synthetic polymers, insulation materials, pesticides, paints and cleaning agents.
50	1,2,3-trichloropropane	96-18-4	Intermediate production of organic chlorine solvents; polymer and crosslinking agent in rubber production; for removal of paint, varnish, grease removal.
51	1,2-Benzenedicarboxylic acid, di-C ₆₋₈ -branched alkyl esters, C ₇ -rich (DIHP)	71888-89-6	PVC, coatings, printing inks plasticizer.
52	Dichromium tris(chromate)	24613-89-6	Mainly used in mixtures for metal surface treatment in the aeronautic/aerospace, steel and aluminium coating
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	Mainly used in coatings in the aeronautic / aerospace, steel and aluminium coil coating and vehicle coating sectors.
54	Pentazinc chromate octahydroxide	49663-84-5	Mainly used in coatings in the vehicle coating and aeronautic / aerospace sectors.



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No.	Chemical Name	CAS No.	Possible Application
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	Index number 650-017-00-8	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)
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	Index number 650-017-00-8	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)
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	Mainly used for manufacture of other substances. Minor uses are 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	Cellulose acetate is mainly used as plasticizers, are also used as gas chromatography stationary phase, triacetate film base sensitizers and solvents.
59	2-Methoxyaniline; o-Anisidine	90-04-0	Used as dyes, perfumes and pharmaceutical intermediates.
60	4-(1,1,3,3-tetramethylbuty) phenol, (4-tert-Octylphenol)	140-66-9	Widely used in the manufacture of oil-soluble phenolic resin, a surfactant, and adhesives.
61	1,2-Dichloroethane	107-06-2	Mainly used for manufacture of other substances. Minor uses as solvent in the chemical and pharmaceutical
62	Bis(2-methoxyethyl) ether	111-96-6	Used primarily as a reaction solvent or process chemical in a wide variety of applications. Used also as solvent for battery electrolytes, and possibly in other products such as sealants, adhesives, fuels and automotive care products.
63	Arsenic acid	7778-39-4	Mainly used to remove gas bubbles from ceramic glass melt and in the production of laminated printed circuit boards
64	Calcium arsenate	7778-44-1	



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No.	Chemical Name	CAS No.	Possible Application
65	Trilead diarsenate	3687-31-8	Preparation for a large number of other arsenic compounds.
66	N,N-dimethylacetamide	127-19-5	For synthetic materials and fine organic synthesis polar solvent.
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	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.
68	Phenolphthalein	77-09-8	Mainly used as laboratory agent (in pH indicator solutions), for the production of pH-indicator paper and in medicinal products.
69	Lead azide Lead diazide	13424-46-9	Mainly used as initiator or booster in detonators for both civilian and military uses and as initiator in pyrotechnic devices.
70	Lead styphnate	15245-44-0	Mainly used as a primer for small calibre and rifle ammunition. Other common uses are in munition pyrotechnics, power actuated devices and detonators for civilian use.
71	Lead dipicrate	6477-64-1	Lead dipicrate is an explosive like lead diazide and lead styphnate. It may be used in low amounts in detonator mixtures together with the two other mentioned lead compounds.
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	Mainly used as a solvent or as a processing aid in the manufacture and formulation of industrial chemicals. Minor uses in brake fluids and repair of motor vehicles.
73	1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	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.



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74	Diboron trioxide	1303-86-2	Used in a multitude of applications, e.g. in glass and glass fibres, frits, ceramics, flame retardants, catalysts, industrial fluids, metallurgy, nuclear, electrical equipment, adhesives, inks/paints, film developing solutions, detergents and cleaners, re
75	Formamide	75-12-7	Mainly used as an intermediate in the manufacture of agrochemicals, pharmaceuticals and industrial chemicals. Minor uses as a solvent, as a laboratory reagent for quality control purposes in forensic laboratories, hospitals, pharmaceutical companies, food
76	Lead(II)bis (methanesulfonate)	17570-76-2	Mainly used in plating processes (both electrolytic and electroless) for electronic components (such as printed circuit boards). The substance seems to also be used for batteries in special applications.
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	Mainly used for coating resins and curing agents, inks printed circuit board industry, electrical insulation materials.
78	β -TGIC(1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	Mainly used as a solder mask ink in the EU. Also used in 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	Used as an intermediate in the manufacture of triphenylmethane dyes and other substances. Further potential uses include use as an additive (photosensitiser) in dyes and pigments, in dry film products and as a process chemical in the production of electro



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80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	Used as an 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 $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	Used in the formulation of inks, cleaners, and coatings, as well as for dyeing paper, packaging, textiles, plastic products, and other types of articles. It is also used in 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 $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	Used mainly for paper colouring and inks supplied in printer cartridges and ball pens. Further uses include 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 $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	Used in the 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 $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	Mainly used in the 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	flame retardants
86	Pentacosafuorotridecanoic acid	72629-94-8	paints, paper, textiles, leather
87	Tricosafuorododecanoic acid	307-55-1	paints, paper, textiles, leather
88	Henicosafuoroundecanoic acid	2058-94-8	paints, paper, textiles, leather
89	Heptacosafuorotetradecanoic acid	376-06-7	paints, paper, textiles, leather
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	polymer, glue, inks
91	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7, 13149-00-3, 14166-21-3,	intermediates, resin modifier and epoxy resin curing agent
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	synthesis manufacture, rubbers, 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 c	-	paints, inks, papers, glue, rubbers



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94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances,	-	paints, inks, papers, glue and textiles
95	Methoxy acetic acid	625-45-6	intermediates
96	N,N-dimethylformamide; dimethyl	68-12-2	leather, PCB
97	Dibutyltin dichloride (DBT)	683-18-1	textiles, plastic, rubbers
98	Lead monoxide (Lead oxide)	1317-36-8	glass products, ceramics, pigments, rubbers
99	Lead tetroxide (orange lead)	1314-41-6	glass products, ceramics, pigments, rubbers
100	Lead bis (tetrafluoroborate)	13814-96-5	electro-plating, welding, analytical reagent
101	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	paints, coatings, inks, and plastic
102	Lead titanium trioxide	12060-00-3	Semiconductors, coatings, electronic ceramic filter
103	Lead Titanium Zirconium Oxide	12626-81-2	Optical products, electronic products, electronic ceramic parts
104	Silicic acid, lead salt	11120-22-2	glass and enamel
105	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compound	68784-75-8	glass products
106	1-bromopropane; n-propyl bromide	106-94-5	medication, dyes, aromatizer, intermediate
107	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	intermediates
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	plasticizer
109	Diisopentylphthalate (DIPP)	605-50-5	plasticizer
110	N-pentyl-isopentylphthalate	776297-69-9	plasticizer
111	1,2-Diethoxyethane	629-14-1	paint, inks, intermediate
112	Acetic acid, lead salt, basic	51404-69-4	paints, coatings, paint strippers, thinners
113	Lead oxide sulfate (basic lead sulfate)	12036-76-9	plastic
114	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	plastic
115	Dioxobis(stearato)trilead	12578-12-0	plastic
116	Fatty acids, C16-18, lead salts	91031-62-8	plastic
117	Lead cyanamate	20837-86-9	antirust
118	Lead dinitrate	10099-74-8	dyes, leather, pigments
119	Pentalead tetraoxide sulphate	12065-90-6	plastic, battery



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120	Pyrochlore, antimony lead yellow	8012-00-8	paints, coatings, glass , ceramics
121	Sulfurous acid, lead salt, dibasic	62229-08-7	glass and enamel
122	Tetraethyllead	78-00-2	fuel additive
123	Tetralead trioxide sulphate	12202-17-4	pigments, plastic, battery
124	Trilead dioxide phosphonate	12141-20-7	stabilizer for plastic
125	Furan	110-00-9	solvents, organic synthesis
126	Diethyl sulphate	64-67-5	for manufacture of dyes and polymer
127	Dimethyl sulphate	77-78-1	for manufacture of dyes and polymer
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	rubber
129	Dinoseb	88-85-7	Inhibitor of styrene and intermediate of pesticide.
130	4,4'-methylenedi-o-toluidine	838-88-0	Insulating material, a polyurethane adhesive, an epoxy curing agent
131	4,4'-oxydianiline and its salts	101-80-4	an intermediate of dyes, resin synthesis
132	4-Aminoazobenzene; 4-Phenylazoaniline	60-9-3	an intermediate of dyes
133	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	dyes, intermediates for pharmacy and other organic synthesis
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	intermediates, dyes synthesis
135	Biphenyl-4-ylamine	92-67-1	intermediates for dyes and
136	o-aminoazotoluene	97-56-3	intermediates for dyes
137	o-Toluidine; 2-Aminotoluene	95-53-4	intermediates for dyes
138	N-methylacetamide	79-16-3	intermediates
139	Cadmium	7440-43-9	battery electrodes; anti-corrosion coating; catalyst alloy and the solar cell; pigments; plastics and polymer stabilizer
140	Cadmium oxide	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	Ammonium pentadecafluorooctanoate (AP)	3825-26-1	Fluoropolymer and a fluorine rubber production; non-stick cookware production emulsifier
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	Fluoropolymer and a fluorine rubber production; non-stick cookware production emulsifier
143	Dipentyl phthalate(DPP)	131-18-0	Plasticizers in PVC



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144	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 in	-	Mining; detergent; paints, coatings and varnishes; leather and textile processing
145	Cadmium sulphide	1306-23-6	Pigment, used as colorant for enamel, ceramics, glass, plastic and
146	Diethyl phthalate	84-75-3	Plasticizer
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Dyes for viscose, cotton, linen, silk and other textile dyeing and paper products; 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	1937-37-7	Mainly used for cotton, linen, rayon and other cellulose fiber dyeing and weaving and printing.
149	Imidazolidine-2-thione; 2-imidazoline-2-	96-45-7	Accelerators for rubber synthetic.
150	Lead di (acetate)	301-04-2	Preparation of various solvents lead salt, paint, water repellent, paint filler, paint desiccant, fiber stains and heavy metals cyanide process.
151	Triethyl phosphate	25155-23-1	Fire retardant and plasticizer
152	Cadmium chloride	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
153	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear (diisobutyl phthalate (DIHP))	68515-50-4	plasticizer
154	Sodium peroxometaborate	7632-04-4	Used as disinfectant, fungicide, mordant, detergents, etc
155	Sodium perborate; perboric acid, sodium salt		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



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156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	Efficient light stabilizer, which are widely used in plastics and other organic compounds.
157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Efficient light stabilizer, which are widely used in plastics and other organic compounds.
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	PVC stabilizer
159	Cadmium fluoride	7790-79-6	For making fluorescent powder, glass, cathode ray tube and laser
160	Cadmium sulphate	10124-36-4 31119-53-6	colorant
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)	15571-58-1; 27107-89-7	Heat stabiliser
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)	68515-51-5 68648-93-1	Plasticizer
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]	-	Spice
164	1,3-propanesultone	1120-71-4	Used in leather, printing ink and dye.
165	(UV-327) 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	3864-99-1	Efficient light stabilizer, which are widely used in plastics and other organic compounds.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	Efficient light stabilizer, which are widely used in plastics and other organic compounds.
167	Nitrobenzene	98-95-3	used in the manufacture of dyes, spices, explosive, etc.
168	(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorooctanoic acid and its sodium and ammonium salts	375-95-1, 21049-39-8 4149-60-4	Chemical reagent, fine chemicals, pharmaceutical intermediates, materials intermediates.



旭日實業有限公司 Early Light Industrial Co., Ltd.

REACH Requirement for Early Light (SVHC as listed below)

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No.	Chemical Name	CAS No.	Possible Application
169	Bisphenol A (BPA)	80-05-7	Manufacture of others substance, epoxy resins, polycarbonate, coating materials, epoxy resin hardeners, thermal paper, and use as antioxidant for processing PVC.
170	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7	Found in various water and stain resistant textiles. Present in nanosprays and impregnation sprays, outdoor textiles, carpets, gloves, leather, paper-based food contact materials and ski waxes.
172	p-(1,1-dimethylpropyl) phenol	80-46-6	4-tert-pentylphenol is used at industrial sites for the production of perfumes and fragrances and as a monomer in the production of polymers (phenolic resins). Formulation of adhesives, coatings,
173	4-Heptylphenol, branched and linear	--	Might be used to produce detergents. Used as monomer in polymers which are usually used in lubricant additives. The residual content of unreacted monomer (phenol, heptyl derivates) in the polymer material is assumed to be
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	
175	Chrysene	218-01-9	
176	Benz[a]anthracene	56-55-3	
177	Cadmium nitrate	10325-94-7	
178	Cadmium hydroxide	21041-95-2	
179	Cadmium carbonate	513-78-0	
180	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 " TM) [covering any of its individual anti- and syn-isomers or any combination thereof]		
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,		
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	
183	Decamethylcyclopentasiloxane (D5)	541-02-6	



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No.	Chemical Name	CAS No.	Possible Application
184	Dodecamethylcyclotetrasiloxane (D6)	540-97-6	
185	Lead	7439-92-1	
186	Disodium octaborate	12008-41-2	
187	Benzo[ghi]perylene	191-24-2	
188	Terphenyl hydrogenated	61788-32-7	
189	Ethylenediamine (EDA)	107-15-3	
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	
191	Dicyclohexyl phthalate (DCHP)	84-61-7	
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane (Bisphenol P)	6807-17-6	
194	Benzo[k]fluoranthene	207-08-9	
195	Fluoranthene	206-44-0, 93951-69-0	
196	Phenanthrene	85-01-8	
197	Pyrene	129-00-0, 1718-52-1	
198	2-methoxyethyl acetate	110-49-6	
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations)	-	
201	4-tert-butylphenol	98-54-4	
202	2-Benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	
203	Diisohexyl phthalate	71850-09-4	
204	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	
205	Perfluorobutanesulfonic acid (PFBS) and its salts	-	
206	Butyl 4-hydroxybenzoate (Butylparaben)	94-26-8	
207	2-methylimidazole	693-98-1	
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	
209	1-vinylimidazole	1072-63-5	
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	



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211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	
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Requirement

- do not contain any SVHC which is shown in above list, or
- anyone SVHC is less than 1000ppm,