

# Atlas Copco Group Declarable List

Atlas Copco Group is committed to provide clean, safe and healthy environment for all employees.

Use of listed substances must be declared.

Atlas Copco  
Group





## Atlas Copco Group Declarable List

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### Scope

Certain substances may have an adverse effect on human health or the environment. The use of some of those substances are limited through legislation in many countries. Some substances are prohibited in products and processes, others need to be phased-out and declared. The Declarable list provides information about substances that should be limited in use. In addition, all Atlas Copco Group units as well as business partners, including suppliers, contractors, subcontractors, joint venture partners, and agents must declare any use of listed substances in items delivered by or to Atlas Copco Group. Compliance with Atlas Copco Group Declarable list is part of the 10-criteria letter for suppliers.

Information on prohibited substances can be found in the Atlas Copco Group Prohibited list.

If national rules are more restrictive and prohibits a substance in the Declarable list such national rules must be followed.

### Requirements

A substance can be both prohibited and declarable depending on the application of use. Each entry can cover one single substance or a group of substances; in that case this is indicated by "Several". The duty to declare content of a substance in the list refers to concentrations exceeding 0,1 percent by mass of any individual article assembled in any product delivered to the Atlas Copco Group.

### Conflict minerals

Conflict minerals are minerals whose trade, taxation or protection can directly or indirectly finance armed groups and further the conflict in regions as defined by UN. These minerals include columbite-tantalite (coltan), cassiterite, gold, wolframite or their derivatives. Common derivatives of these minerals are tantalum, tin, tungsten and gold and are included in this definition.

Upon request, suppliers must disclose the presence of conflict minerals and due-diligence progress, according to industry standard and report the results with reasonable certainty.

## Changes from previous version: New additions to the Declarable list

2 substances have been added resulting from an update of the EU Candidate list.

| # | Name (substance, family or group)                                          | CAS number | Reason for inclusion                        | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---|----------------------------------------------------------------------------|------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)                       | 84852-53-9 | Very persistent, very bioaccumulative, vPvB | DBDPE is a flame retardant and has been used as a substitute for decabrominated diphenyl ether (BDE-209) and therefore it is currently used in more or less the same applications as BDE-209, such as manufacture of plastics (including polyester and vinyl ester resins) and rubber products as well as in different applications related to manufacture of textiles and leather. The compound is also used in polymers used for electronic and electrical applications. DBDPE could also be used in adhesives and sealants. |
| 2 | 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts | several    | Toxic for reproduction                      | Used in the manufacture of high-performance plastics, polymers, coatings, elastomers, adhesives, lubricants, gaskets and seals.                                                                                                                                                                                                                                                                                                                                                                                                |

**Note!** Atlas Copco Group scope is not limited to EEE or EU.

## Annex A - Substances included in Atlas Copco Group Declarable List

| Name (substance, family or group)                                                                                                                                                                                                                                                                                                                              | CAS No. <sup>1</sup>                               | Example of known uses                                                                                | Exempted uses/<br>exemptions                                                                                                                  | Reason for inclusion<br>(or legal reference)                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acrylamide                                                                                                                                                                                                                                                                                                                                                     | 79-06-1                                            | Fillers                                                                                              |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid                                                                                                                                                                                                                                                                             | 2156592-54-8                                       | Lubricants, greases, release products and metal working fluids                                       |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| 4-Aminoazobenzene                                                                                                                                                                                                                                                                                                                                              | 60-09-3                                            | Dye                                                                                                  |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| o-Aminoazotoluene                                                                                                                                                                                                                                                                                                                                              | 97-56-3                                            | Dye, ink                                                                                             |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)                                                                                                                                                                                                                     | 2580-56-5                                          | Inks, dyes, paints, and pigments                                                                     |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| Arsenic and arsenic compounds, all                                                                                                                                                                                                                                                                                                                             | Several                                            | Paints, smelted materials, biocides (including wood treatment), glasses, metal finishes, electronics | Prohibited for use in treatment of industrial waters and use of wood treated by arsenic containing mixtures.<br><br>All other uses Declarable | Reach Annex XVII<br><br>Reach Candidate list (individual substances marked in extended list)<br><br>Reach Authorization list (individual substances marked in extended list) |
| Barium diboron tetraoxide                                                                                                                                                                                                                                                                                                                                      | 13701-59-2                                         | Paints and coatings                                                                                  |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| <b>Benzotriazoles, selected</b> <ul style="list-style-type: none"> <li>2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)</li> <li>2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)</li> <li>2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)</li> <li>2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)</li> </ul> | 3846-71-7<br>25973-55-1<br>36437-37-3<br>3864-99-1 | UV-absorber in plastic, rubber and polyurethanes                                                     |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| Benzene – 1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA)                                                                                                                                                                                                                                                                                  | 552-30-7                                           | Manufacture of polymers                                                                              |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| Benzo[ghi]perylene                                                                                                                                                                                                                                                                                                                                             | 191-24-2                                           | Impurity                                                                                             |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |
| Benzo[k]fluoranthene                                                                                                                                                                                                                                                                                                                                           | 207-08-9                                           | -                                                                                                    |                                                                                                                                               | Reach Candidate list                                                                                                                                                         |

<sup>1</sup>CAS is the abbreviation for Chemical Abstract Service registry number. This is an international numeric identifier which designates only one chemical substance.

| Name (substance, family or group)                                                                                                                                           | CAS No.                                                 | Example of known uses                                                                                                                                                                               | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------|
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                                         | 119313-12-1                                             | Used in polymer production. As a photoinitiator in UV curable inks, toners, adhesives, resins, paints and other coatings.                                                                           |                              | Reach Candidate list                                                        |
| 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | 3296-90-0 / 36483-57-5 / 1522-92-5 / 96-13-9 / 111-30-8 | Manufacture of polymer resins and in one component foam (OCPF) applications. Flame retardants. Processing aids, specific to petroleum production.                                                   |                              | Reach Candidate list                                                        |
| Bis(4-chlorophenyl) sulphone                                                                                                                                                | 80-07-9                                                 | Manufacture of chemicals, plastic products and rubber products.                                                                                                                                     |                              | Reach Candidate list                                                        |
| 4-[4,4'-Bis(di-metylamino)benzhydryliden] cyklohexa-2,5-dien-1-yliden dimethyl-ammoniumklorid (C.I. Basic Violet 3 )                                                        | 548-62-9                                                | Dye, ink                                                                                                                                                                                            |                              | Reach Candidate list                                                        |
| 4,4'-Bis(dimethylamino) benzophenone                                                                                                                                        | 90-94-8                                                 | Intermediate in manufacturing of paint and coloring agent                                                                                                                                           |                              | Reach Candidate list                                                        |
| 4,4'-Bis(dimethylamino)-4''-(methylamino)trityl alcohol                                                                                                                     | 561-41-1                                                | Dye, ink                                                                                                                                                                                            |                              | Reach Candidate list                                                        |
|                                                                                                                                                                             |                                                         |                                                                                                                                                                                                     |                              | Reach Annex XVII                                                            |
| $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4)                                                                  | 6786-83-0                                               | Dye, ink and in wind screen fluid                                                                                                                                                                   |                              | Reach Candidate list<br>(individual substances marked in extended list)     |
|                                                                                                                                                                             |                                                         |                                                                                                                                                                                                     |                              | Reach Authorization list<br>(individual substances marked in extended list) |
| Bis( $\alpha,\alpha$ -dimethylbenzyl) peroxide                                                                                                                              | 80-43-3                                                 | Used as vulcanizing agent for rubber, a crosslinking agent for polyethylene, a synergist for flame retardants in polystyrene foams, and a curing agent for silicone rubber.                         |                              | Reach Candidate list                                                        |
| Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof                                                                    | 26040-51-7                                              | As a flame retardant and as a plasticizer for flexible polyvinylchloride and for use in wire and cable insulation, film and sheeting, carpet backing, coated fabrics, wall coverings and adhesives. |                              | Reach Candidate list                                                        |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                   | 6807-17-6                                               |                                                                                                                                                                                                     |                              | Reach Candidate list                                                        |
| 1,2-Bis(2-methoxy)ethane (TEGDME; triglyme)                                                                                                                                 | 112-49-2                                                | Solvent                                                                                                                                                                                             |                              | Reach Candidate list                                                        |
| Bis(2-(2-methoxyethoxy)ethyl)ether                                                                                                                                          | 143-24-8                                                | Used in lubricants, fuels and solvents (fi in Li-ion batteries). Also used in inks and toners.                                                                                                      |                              | Reach Candidate list                                                        |
| Bis(2-methoxyethyl) ether (diglyme)                                                                                                                                         | 111-96-6                                                | Solvent, Production of rubber and plastics, In sealed batteries                                                                                                                                     |                              | Reach Candidate list                                                        |
| Bisphenol A, BPA (4,4'-isopropylidenediphenol)                                                                                                                              | 80-05-7                                                 | Manufacturer of polycarbonate (PC), hardener in epoxy resins                                                                                                                                        |                              | Reach Candidate list                                                        |

| Name (substance, family or group)                                | CAS No.    | Example of known uses                                                                                         | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)                                  |
|------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------|
| Boron compounds, selected                                        | Several    | Biocide in adhesives and cutting fluids, cleaning fluids, detergents etc., Flame retardants                   |                              | Reach Candidate list                                                          |
| 1-Bromopropane                                                   | 106-94-5   | Solvent for adhesives and degreasing products                                                                 |                              | Reach Candidate list                                                          |
| 2-bromo-3,3,3-trifluoroprop-1-en (2-BTP)                         | 1514-82-5  | Fire extinguishers within the aviation industry                                                               |                              | Regulation (EU) 2024/590 - substances that deplete the ozone layer (Annex II) |
| Bumetrizole                                                      | 3896-11-5  | Coating products, adhesives and sealants and washing and cleaning products.                                   |                              | Reach Candidate list                                                          |
| 1-Butyl glycidyl ether                                           | 2426-08-6  | Used as plasticizer. Paint and coating additive. Adhesive and sealant chemical.                               |                              | California Proposition 65                                                     |
| Butyl 4-hydroxybenzoate (Butylparaben)                           | 94-26-8    | Cosmetics, personal care products and pharmaceuticals. Also used as a food preservative and antifungal agent. |                              | Reach Candidate list                                                          |
| Cadmium and cadmium compounds                                    | Several    | Electrical contacts                                                                                           |                              | Reach Candidate list                                                          |
| Chloroprene                                                      | 126-99-8   |                                                                                                               |                              | California Proposition 65                                                     |
| Chromium, hexavalent (CrVI) compounds                            | Several    | Anti-corrosion of carbon steel for cooling systems in absorption refrigerators                                |                              | Reach Candidate list                                                          |
| CMNP (pyrazachlor)                                               | 6814-58-0  | Plant growth regulator                                                                                        |                              | California Proposition 65                                                     |
| Coal tar products, Selected - Pitch, coal tar, high-temp., Pitch | 65996-93-2 | Steel construction, rubber, electrodes                                                                        |                              | Reach Candidate list                                                          |
| Cobalt and cobalt compounds, selected                            | Several    | Lubricants, catalyst, pigments, surface treatments, batteries                                                 |                              | Reach Candidate list<br>California Proposition 65                             |
| Cobalt [II] oxide                                                | 1307-96-6  | Lubricants, catalyst, pigments, surface treatments, batteries                                                 |                              | California Proposition 65                                                     |
| Cobalt metal powder                                              | 7440-48-4  | Lubricants, catalyst, pigments, surface treatments, batteries                                                 |                              | California Proposition 65                                                     |
| Cobalt sulfate heptahydrate                                      | 10026-24-1 | Lubricants, catalyst, pigments, surface treatments, batteries                                                 |                              | California Proposition 65                                                     |
| Coconut oil diethanolamine condensate (cocamide diethanolamine)  | -          | Foaming agent, emulsifier                                                                                     |                              | California Proposition 65                                                     |
| Creosotes                                                        | -          | Preservatives, antiseptics                                                                                    |                              | California Proposition 65                                                     |
| Cumene                                                           | 98-82-8    | Industrial intermediate                                                                                       |                              | California Proposition 65                                                     |
| Cupferron                                                        | 135-20-6   | Analytical reagent                                                                                            |                              | California Proposition 65                                                     |

| Name (substance, family or group)                 | CAS No.    | Example of known uses                                                                                                                  | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)     |
|---------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| Cyanazine                                         | 21725-46-2 | Herbicide                                                                                                                              |                              | California Proposition 65                        |
| Cycloate                                          | 1134-23-2  | Pesticide                                                                                                                              |                              | California Proposition 65                        |
| Cycloheximide                                     | 66-81-9    | Fungicide                                                                                                                              |                              | California Proposition 65                        |
| Cyclopenta[cd]pyrene                              | 27208-37-3 | Laboratory chemical                                                                                                                    |                              | California Proposition 65                        |
| Cyhexatin                                         | 13121-70-5 | Acaricide                                                                                                                              |                              | California Proposition 65                        |
| D&C Orange No. 17                                 | 3468-63-1  | Color pigment                                                                                                                          |                              | California Proposition 65                        |
| D&C Red No. 19                                    | 81-88-9    | Color pigment                                                                                                                          |                              | California Proposition 65                        |
| D&C Red No. 8                                     | 2092-56-0  | Color pigment                                                                                                                          |                              | California Proposition 65                        |
| D&C Red No. 9                                     | 5160-02-1  | Color pigment                                                                                                                          |                              | California Proposition 65                        |
| Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)   | 117-10-2   | It is currently used as an antioxidant in synthetic lubricants, in the synthesis of experimental antitumor agents, and as a fungicide. |                              | California Proposition 65                        |
| DDD (Dichlorodiphenyl-dichloroethane)             | 72-54-8    | Insecticide                                                                                                                            |                              | California Proposition 65                        |
| DDE (Dichlorodiphenyl-dichloroethylene)           | 72-55-9    | DDT byproduct                                                                                                                          |                              | California Proposition 65                        |
| DDT (Dichlorodiphenyl-trichloroethane)            | 50-29-3    | Insecticide                                                                                                                            |                              | California Proposition 65                        |
| DDVP (Dichlorvos)                                 | 62-73-7    | Insecticide                                                                                                                            |                              | California Proposition 65                        |
| Decamethyltetrasiloxane                           | 141-62-8   | Used as foam suppressant in oils or as cleaning agent, solvent or diluent.                                                             |                              | Reach Candidate list                             |
| Des-ethyl atrazine (DEA)                          | 6190-65-4  | Pesticide                                                                                                                              |                              | California Proposition 65                        |
| Des-isopropyl atrazine (DIA)                      | 1007-28-9  | Pesticide                                                                                                                              |                              | California Proposition 65                        |
| 4,4'-Diaminodiphenylmethane (MDA)                 | 101-77-9   | Production of polyurethane (PUR)                                                                                                       |                              | Reach Candidate list<br>Reach Authorization list |
| Diazoaminobenzene                                 | 136-35-6   | Dye and pigment industry                                                                                                               |                              | California Proposition 65                        |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3   | Blowing agent in rubber and plastics production                                                                                        |                              | Reach Candidate list                             |
| Dibromoacetic acid                                | 631-64-1   | Water sanitation                                                                                                                       |                              | California Proposition 65                        |

| Name (substance, family or group)            | CAS No.                   | Example of known uses                                                                                                                                       | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)     |
|----------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| Dibromoacetonitrile                          | 3252-43-5                 | Manufacturing of metals and paper                                                                                                                           |                              | California Proposition 65                        |
| Dibutylbis(pentane-2,4-dionato-O,O')tin      | 22673-19-4                | Catalyst and an additive in the production of plastics. Also used in adhesives and sealants.                                                                |                              | Reach Candidate list                             |
| 1,2-Dichloroethane (EDC)                     | 107-06-2                  | Degreasing agent, additive for fuels                                                                                                                        |                              | Reach Candidate list<br>Reach Authorization list |
| 2,2'-Dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4                  | Production of polyurethane                                                                                                                                  |                              | Reach Candidate list<br>Reach Authorization list |
| Dichloroacetic acid                          | 79-43-6                   | Water sanitation                                                                                                                                            |                              | California Proposition 65                        |
| Dichlorophene                                | 97-23-4                   | Cleaning products, pesticide                                                                                                                                |                              | California Proposition 65                        |
| Diclofop-methyl                              | 51338-27-3                | Pesticide                                                                                                                                                   |                              | California Proposition 65                        |
| 1,2-Diethoxyethane                           | 629-14-1                  | Solvent                                                                                                                                                     |                              | Reach Candidate list                             |
| Diethanolamine                               | 111-42-2                  | Abrasive, absorbent, Adhesive, Anti freezing, anti-adhesive, belaching, binding, cleaning, cooling                                                          |                              | California Proposition 65                        |
| Diethyl sulphate                             | 64-67-5                   | Intermediate                                                                                                                                                |                              | Reach Candidate list                             |
| Diglycidyl resorcinol ether (DGRE)           | 101-90-6                  | Curing agent, epoxy resins                                                                                                                                  |                              | California Proposition 65                        |
| Dihydrosafrole                               | 94-58-6                   | Pesticides, soap, detergent                                                                                                                                 |                              | California Proposition 65                        |
| Di-isodecyl phthalate (DIDP)                 | 68515-49-1/<br>26761-40-0 | Plasticizer in rubber and plastics, paints                                                                                                                  |                              | California Proposition 65                        |
| Diisohexyl phthalate                         | 71850-09-4                | Plasticizer in plastics and rubber (flexible polymers, rubbers, inks, lacquers and sealants). Used in vehicle steering fluids and auto transmission fluids. |                              | Reach Candidate list                             |
| Diisononyl phthalate (DINP)                  | -                         | Plasticizer in rubber and plastics, paints                                                                                                                  |                              | California Proposition 65                        |
| Diisopropyl sulfate                          | 2973-10-6                 | Intermediate in propylene formation                                                                                                                         |                              | California Proposition 65                        |
| 1,2-Dimethoxyethane (EGDME)                  | 110-71-4                  | Electrolyte in lithium batteries                                                                                                                            |                              | Reach Candidate list                             |
| N,N-Dimethylacetamide                        | 127-19-5                  | Solvent in paint strippers and production of polyimide films                                                                                                |                              | Reach Candidate list                             |

| Name (substance, family or group)                                                    | CAS No.     | Example of known uses                                                                                                                                                                                                                                                   | Exempted uses/<br>exemptions                                | Reason for inclusion<br>(or legal reference) |
|--------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------|
| 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 119344-86-4 | Inks and toners, coating products.                                                                                                                                                                                                                                      |                                                             | Reach Candidate list                         |
| N,N-Dimethylformamide                                                                | 68-12-2     | Solvent mainly in paint and varnish                                                                                                                                                                                                                                     |                                                             | Reach Candidate list                         |
| Dimethyl hydrogen phosphite                                                          | 868-85-9    | Used to make insecticides and herbicides. Used as a lubricant additive, an adhesive, a flame retardant for fabrics, a stabilizer in oil and plaster, and as a steel corrosion inhibitor. Used to make water treatment chemicals, flame retardants, and pharmaceuticals. |                                                             | California Proposition 65                    |
| p- (1,1-dimethylpropyl) phenol                                                       | 80-46-6     | Manufacture of chemicals and plastic products                                                                                                                                                                                                                           |                                                             | Reach Candidate list                         |
| Dimethylcarbamoyl chloride                                                           | 79-44-7     | Used for pharmacological or pesticidal activities                                                                                                                                                                                                                       |                                                             | California Proposition 65                    |
| Dimethylvinylchloride                                                                | 513-37-1    | Used to produce the polymer PVC                                                                                                                                                                                                                                         |                                                             | California Proposition 65                    |
| Dimethyl sulphate                                                                    | 77-78-1     | Intermediate                                                                                                                                                                                                                                                            |                                                             | Reach Candidate list                         |
| Dinitrotoluene (technical grade)                                                     | -           | Precursor to trinitrotoluene (TNT) but is mainly produced as a precursor to toluene diisocyanate.                                                                                                                                                                       |                                                             | California Proposition 65                    |
| Dinitrotoluene mixture, 2,4-/2,6-                                                    | -           | Used in production of Poly Urethane (PU) foam                                                                                                                                                                                                                           |                                                             | California Proposition 65                    |
| Dinocap                                                                              | 39300-45-3  | Fungicide                                                                                                                                                                                                                                                               |                                                             | California Proposition 65                    |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol)                                              | 88-85-7     | Pesticide (plant protection)                                                                                                                                                                                                                                            |                                                             | Reach Candidate list                         |
| Di-n-propyl isocinchomeronate (MGK Repellent 326)                                    | 136-45-8    | Pesticide                                                                                                                                                                                                                                                               |                                                             | California Proposition 65                    |
| Diorganotin compounds, all                                                           | Several     | Plastics                                                                                                                                                                                                                                                                | Prohibited for use as biocide all other uses are Declarable | Reach Candidate list                         |
| 1,4-dioxane                                                                          | 123-91-1    | Dioxane is used as a solvent in the formulation of inks, coatings, and adhesives, and as solvent for extracting animal and vegetable oils. As a chemical intermediate, dioxane reaction products are useful as insecticides, herbicides, plasticizers, and monomers.    |                                                             | Reach Candidate list                         |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide                                      | 75980-60-8  | Inks and toners, coating products, photo-chemicals, polymers, adhesives and sealants and fillers, putties, plasters, modelling clay, pigments.                                                                                                                          |                                                             | Reach Candidate list                         |

| Name (substance, family or group)                                                                                                                                                                            | CAS No.                   | Example of known uses                                                                                                                                                                                                                               | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| Disodium octaborate                                                                                                                                                                                          | 12008-41-2                | Used in anti-freeze products, heat transfer fluids, lubricants and grease, washing and cleaning products                                                                                                                                            |                              | Reach Candidate list                             |
| Disodium cyanodithioimidocarbonate                                                                                                                                                                           | 138-93-2                  | Antimicrobial; in food packaging adhesives                                                                                                                                                                                                          |                              | California Proposition 65                        |
| Disperse Blue 1                                                                                                                                                                                              | 2475-45-8                 | Hair colour formulations, fabric dye                                                                                                                                                                                                                |                              | California Proposition 65                        |
| 2,4-Dinitrotoluene                                                                                                                                                                                           | 25321-14-6,<br>121-14-2   | Airbags, Explosives, polyurethane foam                                                                                                                                                                                                              |                              | Reach Candidate list<br>Reach Authorization list |
| 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 | Several                   | The mono-constituent form of the substance (dioctyltin dilaurate) is used as an additive in the production of plastics and rubber tyres. Dioctyltin dilaurate can also be found in adhesives, sealants and as binding agent in paints and coatings. |                              | Reach Candidate list                             |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol                                                                                                                                                                 | 119-47-1                  | Used as an antioxidant and stabilizer. Found in rubbers, lubricants, adhesives, sealants, inks, fuels.                                                                                                                                              |                              | Reach Candidate list                             |
| Diuron                                                                                                                                                                                                       | 330-54-1                  | Herbicide                                                                                                                                                                                                                                           |                              | California Proposition 65                        |
| 1,6,7,8,9,14,15,16,17,17,18,18- Doropentacyclo [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]           | -                         | Glue, sealants and electronics                                                                                                                                                                                                                      |                              | Reach Annex XVII<br>Reach Candidate list         |
| Epichlorohydrin                                                                                                                                                                                              | 106-89-8                  | Used in the production of glycerol, plastics, epoxy glues and resins, and elastomers                                                                                                                                                                |                              | California Proposition 65                        |
| Epoxiconazole                                                                                                                                                                                                | 135319-73-2               | Fungicide                                                                                                                                                                                                                                           |                              | California Proposition 65                        |
| Erionite                                                                                                                                                                                                     | 12510-42-8;<br>66733-21-9 | Mineral found in vulcanic ash                                                                                                                                                                                                                       |                              | California Proposition 65                        |

| Name (substance, family or group)                      | CAS No.    | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|--------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)   | 84852-53-9 | DBDPE is a flame retardant and has been used as a substitute for decabrominated diphenyl ether (BDE-209) and therefore it is currently used in more or less the same applications as BDE-209, such as manufacture of plastics (including polyester and vinyl ester resins) and rubber products as well as in different applications related to manufacture of textiles and leather. The compound is also used in polymers used for electronic and electrical applications. DBDPE could also be used in adhesives and sealants. |                              | Reach Candidate list                         |
| 1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene] | 37853-59-1 | Used as a flame retardant additive for thermoplastic and thermoset systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | Reach Candidate list                         |
| Ethoprop                                               | 13194-48-4 | Insecticide and nematicide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              | California Proposition 65                    |
| 2-Ethoxyethanol                                        | 110-80-5   | Solvent in paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              | Reach Candidate list                         |
| 2-Ethoxyethyl acetate                                  | 111-15-9   | Solvent mainly in paint and varnish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              | Reach Candidate list                         |
| Ethyl acrylate                                         | 140-88-5   | Used in the production of polymers including resins, plastics, rubber, and denture material                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | California Proposition 65                    |
| Ethyl dipropylthiocarbamate                            | 759-94-4   | Herbicide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              | California Proposition 65                    |
| Ethyl methanesulfonate                                 | 62-50-0    | Used as catalysts for esterification, polymerization, and alkylation                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              | California Proposition 65                    |
| Ethyl-4,4'-dichlorobenzilate                           | 510-15-6   | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              | California Proposition 65                    |
| Ethylbenzene                                           | 100-41-4   | Anti-knocking agent, precursor styrene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              | California Proposition 65                    |
| Ethylene dibromide                                     | 106-93-4   | Pesticide, chemical intermediate, solvent for resins, gums and waxes                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              | California Proposition 65                    |
| Ethylene glycol (ingested)                             | 107-21-1   | Antifreeze, coolant, polyester fibers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              | California Proposition 65                    |

| Name (substance, family or group)                                                                                       | CAS No.     | Example of known uses                                                                                                                                                                                                                                              | Exempted uses/ exemptions                                                                                                                                                    | Reason for inclusion (or legal reference) |
|-------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Ethylene oxide                                                                                                          | 75-21-8     | Creation of detergents, thickeners, solvents, plastics, and various organic chemicals. Disinfectant                                                                                                                                                                |                                                                                                                                                                              | California Proposition 65                 |
| Ethylene thiourea                                                                                                       | 96-45-7     | Used in vulcanization process of neoprene and rubber                                                                                                                                                                                                               |                                                                                                                                                                              | California Proposition 65                 |
| Ethyleneimine (Aziridine)                                                                                               | 151-56-4    | Polymerization products, paper and textile chemicals, adhesives, binders, petroleum refining chemicals, fuels and lubricants, coating resins, varnishes, lacquers, agricultural chemicals, cosmetics, ion exchange resins, photographic chemicals, and surfactants |                                                                                                                                                                              | California Proposition 65                 |
| Ethylenediamine (EDA)                                                                                                   | 107-15-3    | Adhesives, sealants, coatings, fillers, water treatment products etc.                                                                                                                                                                                              |                                                                                                                                                                              | Reach Candidate list                      |
| 2-Ethylhexyl acrylate                                                                                                   | 103-11-7    | Found in paints, coatings, adhesives and sealants.                                                                                                                                                                                                                 |                                                                                                                                                                              | California Proposition 65                 |
| 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                      | 143860-04-2 | -                                                                                                                                                                                                                                                                  |                                                                                                                                                                              | Reach Candidate list                      |
| Fenoxaprop ethyl                                                                                                        | 66441-23-4  | Herbicide                                                                                                                                                                                                                                                          |                                                                                                                                                                              | California Proposition 65                 |
| Fenoxycarb                                                                                                              | 72490-01-8  | Pesticide                                                                                                                                                                                                                                                          |                                                                                                                                                                              | California Proposition 65                 |
| Fluazifop butyl                                                                                                         | 69806-50-4  | Herbicide                                                                                                                                                                                                                                                          |                                                                                                                                                                              | California Proposition 65                 |
| Fluoranthene                                                                                                            | 206-44-0    | -                                                                                                                                                                                                                                                                  |                                                                                                                                                                              | Reach Candidate list                      |
| Fluorinated greenhouse gases, selected <ul style="list-style-type: none"> <li>Hydrofluorocarbons (HFCs), all</li> </ul> | Several     | Refrigerant                                                                                                                                                                                                                                                        | Gas mixtures with a (calculated) global warming potential above 2500 are prohibited.<br><br>Individual fluorinated greenhouse gases - regardless of GWP - remain declarable. | Kyoto Protocol                            |

| Name (substance, family or group)                      | CAS No.     | Example of known uses                                                                                                                                                                 | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)     |
|--------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| Fluoro-edenite fibrous amphibole                       | /           | Research mineral                                                                                                                                                                      |                              | California Proposition 65                        |
| Fluvalinate                                            | 69409-94-5  | Pesticide                                                                                                                                                                             |                              | California Proposition 65                        |
| Folpet                                                 | 133-07-3    | Fungicide                                                                                                                                                                             |                              | California Proposition 65                        |
| Formaldehyde (gas)                                     | 50-00-0     | Used in pressed-wood products, such as particleboard, plywood, and fiberboard; glues and adhesives; permanent-press fabrics; paper product coatings; and certain insulation materials |                              | California Proposition 65                        |
| Formaldehyde, oligomeric reaction product with aniline | 25214-70-4  | Polyurethanes, Thermoplastic resins, Coatings                                                                                                                                         |                              | Reach Candidate list<br>Reach Authorization list |
| Formamide                                              | 75-12-7     | Solvent, Plasticizer                                                                                                                                                                  |                              | Reach Candidate list                             |
| Fumonisin B1                                           | 116355-83-0 | Mycotoxin                                                                                                                                                                             |                              | California Proposition 65                        |
| Furfuryl alcohol                                       | 98-00-0     | Used in the synthesis of furan resins                                                                                                                                                 |                              | California Proposition 65                        |
| Furmecyclox                                            | 60568-05-0  | Fungicide, wood preservative                                                                                                                                                          |                              | California Proposition 65                        |
| Furan                                                  | 110-00-9    | Solvent                                                                                                                                                                               |                              | Reach Candidate list                             |
| Glass wool fibers (inhalable and bio persistent)       | -           | Thermal insulation                                                                                                                                                                    |                              | California Proposition 65                        |
| Glutaral                                               | 111-30-8    | Biocides, leather tanning, x-ray film processing, cosmetics, embalming fluid.                                                                                                         |                              | Reach Candidate list                             |
| Glycidaldehyde                                         | 765-34-4    | Used in cotton processing, leather tanning and protein coagulation                                                                                                                    |                              | California Proposition 65                        |
| Glycidyl methacrylate                                  | 106-91-2    | Intermediate for polymers and resins. Also used in emulsions for impregnating paper and textiles, in paint coatings, and adhesive applications.                                       |                              | California Proposition 65                        |
| Glycidol                                               | 556-52-5    | Used as a stabilizer for natural oils and vinyl polymers, as a demulsifier, surface coatings, pharmaceuticals, sanitary chemicals                                                     |                              | California Proposition 65                        |

| Name (substance, family or group)                                                                                                                                                             | CAS No.             | Example of known uses                                                                                                                                                                                                       | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Glyphosate                                                                                                                                                                                    | 1071-83-6           | Herbicide and crop desiccant                                                                                                                                                                                                |                              | California Proposition 65                    |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol                                                                                                                                   | 3147-75-9           | Air care products, coating products, adhesives and sealants, lubricants and greases, polishes and waxes and washing and cleaning products.                                                                                  |                              | Reach Candidate list                         |
| HC Blue 1                                                                                                                                                                                     | 2784-94-3           | Used in personal care products                                                                                                                                                                                              |                              | California Proposition 65                    |
| Heptachlor                                                                                                                                                                                    | 76-44-8             | Insecticide                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Heptachlor epoxide                                                                                                                                                                            | 1024-57-3           | Pesticide                                                                                                                                                                                                                   |                              | California Proposition 65                    |
| 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane                                                                                                                                  | 17928-28-8          | It is primarily used in the silicone industry as a silane coupling agent, a precursor for silicone polymers and coatings, and in sealants, adhesives, and surface treatments.                                               |                              | Reach Candidate list                         |
| 4-heptylphenol, branched and linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly Position 4 to phenol, covering also UVCB-and well-defined substances | -                   | Manufacture of polymers, lubricants                                                                                                                                                                                         |                              | Reach Candidate list                         |
| Hexachlorocyclohexane (technical grade)                                                                                                                                                       | 608-73-1            | Pesticide                                                                                                                                                                                                                   |                              | California Proposition 65                    |
| Hexachlorodibenzodioxin                                                                                                                                                                       | 34465-46-8          | Found as impurity in pesticides and pentachlorophenol (wood preservative)                                                                                                                                                   |                              | California Proposition 65                    |
| Hexafluoroacetone [Basis for listing changed effective June 6, 2014]                                                                                                                          | 684-16-2            | Organic chemical synthesis; chemical intermediate in production of hexa fluorosopropanol and textile coatings; solvent, polymer adhesive                                                                                    |                              | California Proposition 65                    |
| Hexamethylphosphoramide                                                                                                                                                                       | 680-31-9            | Specialty solvent                                                                                                                                                                                                           |                              | California Proposition 65                    |
| Hydramethylnon                                                                                                                                                                                | 67485-29-4          | Insecticide                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Hydrazine                                                                                                                                                                                     | 302-01-2, 7803-57-8 | Corrosion inhibitor                                                                                                                                                                                                         |                              | Reach Candidate list                         |
| Hydrazine sulfate                                                                                                                                                                             | 10034-93-2          | Fungicide, antiseptic, analytical and reducing reagent; production of rocket fuel, antioxidants, acetate fibers, and insecticides; chemical intermediate                                                                    |                              | California Proposition 65                    |
| Hydrazobenzene (1,2-Diphenylhydrazine)                                                                                                                                                        | 122-66-7            | Chemical intermediate in production of dyes and pharmaceuticals; production of hydrogen peroxide; used as antisludging additive in motor oil, de-suckering agent for tobacco plants, reductant in the reclamation of rubber |                              | California Proposition 65                    |

| Name (substance, family or group)                                                                                                                         | CAS No.                     | Example of known uses                                                                                                                                                                                                                                                                 | Exempted uses/ exemptions | Reason for inclusion (or legal reference) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------|
| Imazalil                                                                                                                                                  | 35554-44-0                  | Fungicide; veterinary medicine (topical antimycotic)                                                                                                                                                                                                                                  |                           | California Proposition 65                 |
| Imidazolidine-2-thione (2-imidazoline-2-thiol)                                                                                                            | 96-45-7                     | Used in rubber manufacturing                                                                                                                                                                                                                                                          |                           | Reach Candidate list                      |
| Indium phosphide                                                                                                                                          | 22398-80-7                  | Components in high-power and high frequency electronics, optoelectronics                                                                                                                                                                                                              |                           | California Proposition 65                 |
| Indium tin oxide                                                                                                                                          | 50926-11-9                  | Can be used in solar cells and to make transparent conductive coatings for displays such as liquid crystal displays, flat panel displays, plasma displays, touch panels, and electronic ink. It is also used in organic light-emitting diodes, antistatic coatings and EMI shielding. |                           | California Proposition 65                 |
| Iodine-131                                                                                                                                                | 10043-66-0                  | Nuclear energy, medical diagnostic and treatment procedures, natural gas production; nuclear fission product                                                                                                                                                                          |                           | California Proposition 65                 |
| Iprodione                                                                                                                                                 | 36734-19-7                  | Fungicide                                                                                                                                                                                                                                                                             |                           | California Proposition 65                 |
| Iprovalicarb                                                                                                                                              | 140923-17-7/<br>140923-25-7 | Agricultural fungicide                                                                                                                                                                                                                                                                |                           | California Proposition 65                 |
| Isobutyl 4-hydroxybenzoate                                                                                                                                | 4247-02-3                   | Coating products, fillers, putties, plasters, modelling clay and inks and toners.                                                                                                                                                                                                     |                           | Reach Candidate list                      |
| Isobutyl nitrite                                                                                                                                          | 542-56-3                    | Drug product. Limited use as an intermediate in synthesis of aliphatic nitrates                                                                                                                                                                                                       |                           | California Proposition 65                 |
| Isoprene                                                                                                                                                  | 78-79-5                     | It is used to make different types of rubber compounds and other chemicals                                                                                                                                                                                                            |                           | California Proposition 65                 |
| Isoprazam                                                                                                                                                 | 881685-58-1                 | Fungicide                                                                                                                                                                                                                                                                             |                           | California Proposition 65                 |
| Isoxaflutole                                                                                                                                              | 141112-29-0                 | Pesticide, herbicide                                                                                                                                                                                                                                                                  |                           | California Proposition 65                 |
| Karanal (5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1] and 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane) | -                           | Fragrance                                                                                                                                                                                                                                                                             |                           | Reach Candidate list                      |
| Kresoxim-methyl                                                                                                                                           | 143390-89-0                 | Fungicide                                                                                                                                                                                                                                                                             |                           | California Proposition 65                 |
| Lactofen                                                                                                                                                  | 77501-63-4                  | Herbicide                                                                                                                                                                                                                                                                             |                           | California Proposition 65                 |
| Lead and lead compounds                                                                                                                                   | Several                     | Bearing shells and bushes, high melting temperature solders, solders for servers and network equipment or electronic ceramic parts                                                                                                                                                    |                           | Reach Candidate list                      |

| Name (substance, family or group)                                                                                                                                                 | CAS No.     | Example of known uses                                                                                                                                                                                                                     | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Linuron                                                                                                                                                                           | 330-55-2    | Herbicide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Malathion                                                                                                                                                                         | 121-75-5    | Insecticide, de-lousing agent                                                                                                                                                                                                             |                              | California Proposition 65                    |
| Malonaldehyde, sodium salt                                                                                                                                                        | 24382-04-5  | Found in heated edible oils (sunflower, palm oil)                                                                                                                                                                                         |                              | California Proposition 65                    |
| Mancozeb                                                                                                                                                                          | 8018-01-7   | Fungicide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Maneb                                                                                                                                                                             | 12427-38-2  | Fungicide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| m-Dinitrobenzene                                                                                                                                                                  | 99-65-0     | Pesticide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17 | Several     | Metal cutting fluids                                                                                                                                                                                                                      |                              | Reach Candidate list                         |
| Melamine                                                                                                                                                                          | 108-78-1    | In polymers and resins, coating products, adhesives and sealants, leather treatment products, laboratory chemicals.                                                                                                                       |                              | Reach Candidate list                         |
| Mepanipyrim                                                                                                                                                                       | 110235-47-7 | Fungicide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Metam potassium                                                                                                                                                                   | 137-41-7    | Antimicrobial.<br>Used in feed and food additives                                                                                                                                                                                         |                              | California Proposition 65                    |
| Metham sodium                                                                                                                                                                     | 137-42-8    | Fungicide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Methanol                                                                                                                                                                          | 67-56-1     | Used as a solvent, fuel additive and antifreeze.<br>Also found in pesticides.                                                                                                                                                             |                              | California Proposition 65                    |
| Methazole                                                                                                                                                                         | 20354-26-1  | Pesticide                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Methimazole                                                                                                                                                                       | 60-56-0     | Used in drugs, cosmetics and pesticide                                                                                                                                                                                                    |                              | California Proposition 65                    |
| Methoxy acetic acid                                                                                                                                                               | 625-45-6    | Plasticizer, Coloring agent, Auxiliary agent in the textile industry                                                                                                                                                                      |                              | Reach Candidate list                         |
| 2-Methoxyaniline (o-anisidine)                                                                                                                                                    | 90-04-0     | Dye                                                                                                                                                                                                                                       |                              | Reach Candidate list                         |
| 2-Methoxyethanol                                                                                                                                                                  | 109-86-4    | Solvent for dyes, inks, stains, cleaning agents, Grease and paint removers, Antifreeze, Electrolyte, Electrodes, L-Mn battery, Starters, Sensors agents in polyester resins, PES-fibers, PES- and PU-enamels, Synthetic resins, Softening |                              | Reach Candidate list                         |
| 2-methoxyethyl acetate                                                                                                                                                            | 110-49-6    | Industrial solvent                                                                                                                                                                                                                        |                              | Reach Candidate list                         |

| Name (substance, family or group)                        | CAS No.    | Example of known uses                                                                                                                                              | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|----------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| 6-Methoxy-m-toluidine (p-cresidine)                      | 120-71-8   | Intermediate in production of dye and pigment                                                                                                                      |                              | Reach Candidate list                         |
| Methyl acrylate                                          | 96-33-3    | Found in adhesives, sealants, paints, coatings, plastics, rubber, fuel and fuel additives.                                                                         |                              | California Proposition 65                    |
| Methyl carbamate                                         | 598-55-0   | Used in adhesives, plastics and paints                                                                                                                             |                              | California Proposition 65                    |
| Methyl chloride                                          | 74-87-3    | Used as an industrial solvent. It has also been used as an aerosol propellant                                                                                      |                              | California Proposition 65                    |
| Methyl iodide                                            | 74-88-4    | Used as an industrial catalyst and pharmaceutical reagent                                                                                                          |                              | California Proposition 65                    |
| Methyl isobutyl ketone                                   | 108-10-1   | Used in adhesives and sealants, as paint additive and in solvents                                                                                                  |                              | California Proposition 65                    |
| Methyl isocyanate (MIC)                                  | 624-83-9   | Chemical intermediate                                                                                                                                              |                              | California Proposition 65                    |
| N-Methylacetamide                                        | 79-16-3    | Solvent                                                                                                                                                            |                              | Reach Candidate list                         |
| 4,4'-Methylenedi-o-toluidine                             | 838-88-0   | Intermediate for pigments, textiles                                                                                                                                |                              | Reach Candidate list                         |
| Methyleugenol                                            | 93-15-2    | Food additive, insect attractant                                                                                                                                   |                              | California Proposition 65                    |
| Methylhydrazine and its salts                            | -          | -                                                                                                                                                                  |                              | California Proposition 65                    |
| 2-methylimidazole                                        | 693-98-1   | Catalyst in the production of coating products. Dying auxiliary for acrylic fibers, plastic foams. Used in the production of dyes, pigments, rubber, epoxy resins. |                              | Reach Candidate list                         |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 71868-10-5 | Used in polymer production. Photoinitiator in UV curable inks, toners, adhesives and resins. Solder masks and fiber glass composites.                              |                              | Reach Candidate list                         |
| Methyl-n-butyl ketone                                    | 591-78-6   | In a wide variety of material (paints, lacquers, ink thinners, nitrocellulose, glues resins,oils, fats and waxes)                                                  |                              | California Proposition 65                    |

| Name (substance, family or group)                     | CAS No.     | Example of known uses                                                                                                                                                              | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)     |
|-------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| Methyloxiran (propylene oxide)                        | 75-56-9     | Monomer in production of polymers                                                                                                                                                  |                              | Reach Candidate list                             |
| 4-Methyl-m-phenylenediamine (toluene-2,4-diamine)     | 95-80-7     | Intermediate for production of pigments and toluene diisocyanate                                                                                                                   |                              | Reach Candidate list                             |
| 4,4'-(1-methylpropylidene) bisphenol                  | 77-40-7     | May be used in manufacture of phenolic and polycarbonate resin.                                                                                                                    |                              | Reach Candidate list                             |
| N-Methyl-pyrrolidone                                  | 872-50-4    | Solvent                                                                                                                                                                            |                              | Reach Candidate list                             |
| Metiram                                               | 9006-42-2   | Antifouling agent, pesticide.<br>Found in paint                                                                                                                                    |                              | California Proposition 65                        |
| Molinate                                              | 2212-67-1   | Pesticide                                                                                                                                                                          |                              | California Proposition 65                        |
| Molybdenum trioxide                                   | 1313-27-5   | Used in the manufacturing process of steel.<br>Used as a processing aids, specific to petroleum production. Used for manufacturing of catalysts.                                   |                              | California Proposition 65                        |
| MON 13900 (furilazole)                                | 121776-33-8 | Pesticide                                                                                                                                                                          |                              | California Proposition 65                        |
| MON 4660 (dichloroacetyl-1-oxa-4-azaspiro(4,5)-decane | 71526-07-3  | Pesticide                                                                                                                                                                          |                              | California Proposition 65                        |
| Musk xylene                                           | 81-15-2     | Mainly used as scent in cleaning products and metal polish                                                                                                                         |                              | Reach Candidate list<br>Reach Authorization list |
| Myclobutanil                                          | 88671-89-0  | Pesticide                                                                                                                                                                          |                              | California Proposition 65                        |
| N,N-Dimethyl-p-toluidine                              | 99-97-8     | Used to make acrylic resins, denture materials, dyes and pesticides, industrial glues, and artificial fingernail preparation                                                       |                              | California Proposition 65                        |
| Nabam                                                 | 142-59-6    | A fungicide, algicide and bactericide used on various crops                                                                                                                        |                              | California Proposition 65                        |
| Naphthalene                                           | 91-20-3     | The major commercial use of naphthalene is in the manufacture of chemicals that are used as softeners in polyvinyl chloride (PVC) plastics. It is also used as an insect repellent |                              | California Proposition 65                        |
| n-Hexane                                              | 110-54-3    | Used in adhesives. Also a solvent in oils, paints and coatings                                                                                                                     |                              | California Proposition 65                        |

| Name (substance, family or group)                                    | CAS No.                   | Example of known uses                                                                                                                                                                                                                                                                               | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|----------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Nickel (Metallic)                                                    | 7440-02-0                 | Electrical contacts and electrodes, spark plugs, machinery parts, alloys for electronic and space applications. Used in stainless steel and other corrosion resistant alloys. Component of ferrous and non-ferrous alloys, permanent magnets, ceramics, batteries, fuel cells, antistatic coatings. |                              | California Proposition 65                    |
| Nickel (soluble compounds)                                           | -                         | Electrical contacts and electrodes, spark plugs, machinery parts, alloys for electronic and space applications. Used in stainless steel and other corrosion resistant alloys. Component of ferrous and non-ferrous alloys, permanent magnets, ceramics, batteries, fuel cells, antistatic coatings  |                              | California Proposition 65                    |
| Nickel acetate                                                       | 373-02-4                  | Mordant in textile industry, used in electroplating                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Nickel carbonate                                                     | 3333-67-3                 | In electric components (fi vacuum tubes and transistor cans) and colored glass                                                                                                                                                                                                                      |                              | California Proposition 65                    |
| Nickel carbonyl                                                      | 13463-39-3                | Used glass plating, nickel coatings                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Nickel compounds                                                     | -                         | -                                                                                                                                                                                                                                                                                                   |                              | California Proposition 65                    |
| Nickel hydroxide                                                     | 12054-48-7;<br>12125-56-3 | Used in batteries                                                                                                                                                                                                                                                                                   |                              | California Proposition 65                    |
| Nickel oxide                                                         | 1313-99-1                 | Used in fuel cell electrodes, manufacturing of ferrites, catalysts, electroplating, coloring glass, thermistors, ceramic, air bags, batteries                                                                                                                                                       |                              | California Proposition 65                    |
| Nickel refinery dust from the pyrometallurgical process              | -                         | -                                                                                                                                                                                                                                                                                                   |                              | California Proposition 65                    |
| Nickel subsulfide                                                    | 12035-72-2                | In batteries and fuels and as catalyst                                                                                                                                                                                                                                                              |                              | California Proposition 65                    |
| Nickelocene                                                          | 1271-28-9                 | No known practical applications                                                                                                                                                                                                                                                                     |                              | California Proposition 65                    |
| Nitrapyrin [Basis for listing changed effective on November 4, 2015] | 1929-82-4                 | Used in fertilizers and pesticides                                                                                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Nitrilotriacetic acid                                                | 139-13-9                  | Used in adhesives and as chelating agent in cleaning of metals, textile processing, soaps, rubber and emulsion polymerization                                                                                                                                                                       |                              | California Proposition 65                    |
| Nitrilotriacetic acid, trisodium salt monohydrate                    | 18662-53-8                | Used in cleaning products, disinfectants and pesticides                                                                                                                                                                                                                                             |                              | California Proposition 65                    |
| Nitrobenzene                                                         | 98-95-3                   | Manufacture of aniline, a chemical used in the manufacture of polyurethane.                                                                                                                                                                                                                         |                              | Reach Candidate list                         |

| Name (substance, family or group)                                    | CAS No.                            | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|----------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Nitrofen (technical grade)                                           | 1836-75-5                          | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Nitromethane                                                         | 75-52-5                            | Used in coatings, racing fuel additive, solvents. Intermediate in the creation of biocides, adhesives and resins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              | California Proposition 65                    |
| N-Methylolacrylamide                                                 | 924-42-5                           | Used in adhesives, paints and sealants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | California Proposition 65                    |
| N-Nitrosodiethylamine                                                | 55-18-5                            | Formed as a byproduct in the rubber, dye and metal foundry industries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              | California Proposition 65                    |
| N-Nitrosodimethylamine                                               | 62-75-9                            | Industrial solvent, antioxidant; solvent in fiber and plastics industry; in lubricants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | California Proposition 65                    |
| N-Nitrosodi-n-butylamine                                             | 924-16-3                           | Primarily used as a research chemical, although it can form as a waste product at rubber manufacturing plants and factories that use metal working fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| N-Nitrosodiphenylamine                                               | 86-30-6                            | NDPhA is used as a rubber processing chemical and to make other chemicals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| N-Nitrosomethyl-n-decylamine                                         | 75881-22-0                         | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| N-Nitrosomethyl-n-dodecylamine                                       | 55090-44-3                         | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 335-76-2<br>3830-45-3<br>3108-42-7 | Lubricant, wetting agent, plasticizer and corrosion inhibitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              | Reach Candidate list                         |
| o,p'-DDT                                                             | 789-02-6                           | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | California Proposition 65                    |
| Octamethyltrisiloxane                                                | 107-51-7                           | Manufacture and/or formulation of: cosmetics, personal/health care products, pharmaceuticals, washing and cleaning products, coating and non-metal surface treatment and in sealants and adhesives. Used as a base for extreme temperature silicone oils/fluids and as a foam suppressant in petroleum lubricating oils; Used mainly to make polydimethylsiloxane (PDMS) polymers, oligomers, and mixtures; Also used to make basic chemicals, paints, coatings, adhesives, soaps, cleaning compounds, toiletries, plastics, semiconductors, and other electronic components, and in building construction, lubricants, diluents, solvents, and cosmetics |                              | Reach Candidate list                         |

| Name (substance, family or group)                                              | CAS No.    | Example of known uses                                                                                               | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|--------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| o-Dinitrobenzene                                                               | 528-29-0   | Used for the synthesis of dyes, explosives and celluloid                                                            |                              | California Proposition 65                    |
| Oil Orange SS                                                                  | 2646-17-5  | Dye for varnishes, oils, fats and waxes                                                                             |                              | California Proposition 65                    |
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | All        | Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, inks and toners and polymers. |                              | Reach Candidate list                         |
| o-Nitroanisole                                                                 | 91-23-6    | 2-Nitroanisole is used primarily as a precursor to o-anisidine, which is used for the synthesis of azo dyes         |                              | California Proposition 65                    |
| o-Nitrotoluene                                                                 | 88-72-2    | 2-Nitrotoluene derivatives are used principally as colorant intermediates                                           |                              | California Proposition 65                    |
| O,O,O-triphenyl phosphorothioate                                               | 597-82-0   | Lubricants and greases, hydraulic fluids.                                                                           |                              | Reach Candidate list                         |
| o-Phenylenediamine and its salts                                               | 95-54-5    | Manufacture of dyes and fungicides, photographic developing agent, organic synthesis, laboratory reagent            |                              | California Proposition 65                    |
| o-Phenylphenate, sodium                                                        | 132-27-4   | Used as fungicide and pesticide                                                                                     |                              | California Proposition 65                    |
| o-Phenylphenol                                                                 | 90-43-7    | Used as pesticide, fungicide, disinfectant and wood preservative                                                    |                              | California Proposition 65                    |
| Orthoboric acid, sodium salt                                                   | 13840-56-7 | May be used as solvent and corrosion inhibitor.                                                                     |                              | Reach Candidate list                         |
| o-Toluidine hydrochloride                                                      | 636-21-5   | Intermediate in the manufacturing of dyes                                                                           |                              | California Proposition 65                    |
| Oxadiazon                                                                      | 19666-30-9 | Herbicide, pesticide                                                                                                |                              | California Proposition 65                    |
| 4,4'-Oxydianiline and its salts                                                | 101-80-4   | Intermediate                                                                                                        |                              | Reach Candidate list                         |
| p-Chloroaniline                                                                | 106-47-8   | Intermediate in the manufacturing of dyes                                                                           |                              | California Proposition 65                    |
| p-Chloro-o-toluidine                                                           | 95-69-2    | Intermediate in the manufacturing of dyes and certain insecticides                                                  |                              | California Proposition 65                    |
| p-Chloro-o-toluidine, strong acid salts of                                     | -          | Intermediate in the manufacturing of dyes and certain insecticide                                                   |                              | California Proposition 65                    |
| p-Dinitrobenzene                                                               | 100-25-4   | Organic synthesis; dyes; camphor substitute in cellulose nitrate                                                    |                              | California Proposition 65                    |

| Name (substance, family or group)                                                                                                                                                               | CAS No.    | Example of known uses                                                                                                                                                                                                                                                                                      | Exempted uses/ exemptions | Reason for inclusion (or legal reference)           |
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| <b>PAHs (Polycyclic aromatic hydrocarbons), selected</b>                                                                                                                                        |            |                                                                                                                                                                                                                                                                                                            |                           |                                                     |
| • Anthracene                                                                                                                                                                                    | 120-12-7   | Manufacturing of anthracene and carbon black                                                                                                                                                                                                                                                               |                           | Reach Candidate list                                |
| • Anthracene oil                                                                                                                                                                                | 90640-80-5 |                                                                                                                                                                                                                                                                                                            |                           |                                                     |
| • Anthracene oil, anthracene paste                                                                                                                                                              | 90640-81-6 |                                                                                                                                                                                                                                                                                                            |                           |                                                     |
| • Anthracene oil, anthracene-low                                                                                                                                                                | 90640-82-7 |                                                                                                                                                                                                                                                                                                            |                           |                                                     |
| • Anthracene oil, anthracene paste, anthracene fraction                                                                                                                                         | 91995-15-2 |                                                                                                                                                                                                                                                                                                            |                           |                                                     |
| • Anthracene oil, anthracene paste, distn. lights                                                                                                                                               | 91995-17-4 |                                                                                                                                                                                                                                                                                                            |                           |                                                     |
| <b>Pentachlorophenol and by-products of its synthesis (complex mixture)</b>                                                                                                                     | -          | Pesticide, wood preservative, fungicide, molluscicide, defoliant                                                                                                                                                                                                                                           |                           | California Proposition 65                           |
| <b>Per- and poly-fluoroalkyl substances (PFAS)</b>                                                                                                                                              | All        | Found in filters, bearings, seals, o-rings, coatings, gaskets, plugs, isolation, cooling fluid, electrical contacts, lubricants, hoses, gears, membranes, cable insulation.                                                                                                                                |                           | USA Maine PFAS regulation (Chapter 447)             |
| <b>Perfluamine</b>                                                                                                                                                                              | 338-83-0   | Manufacture of electrical, electronic and optical equipment and machinery and vehicles. The electronics industry relies heavily on these fluids in reliability testing of electronic components, as direct-contact coolants for integrated circuits, and as heating media in vapor-phase reflow soldering. |                           | Reach Candidate list                                |
| <b>Perfluorobutane sulfonic acid (PFBS) and its salts</b>                                                                                                                                       | Several    | Used as a catalyst/additive/reactant in polymer manufacture and in chemical synthesis. Flame retardant.<br>Impurity in production of PFOS and PFOS alternatives. A surfactant which can be found in protective coatings and adhesives which are resistant to water, dirt, oils, etc.                       |                           | Reach Candidate list                                |
| <b>Perfluoroheptanoic acid and its salts</b>                                                                                                                                                    | Several    | Measure to avoid future regrettable substitution. Used as a stain or water repellent.                                                                                                                                                                                                                      |                           | Reach Candidate list                                |
| <b>Perfluorohexane-1-sulphonic acid (PFHxS ) and its salts</b>                                                                                                                                  | Several    | Lubricants, firefighting agents, surface treatment (corrosion inhibitor), plasticizer in plastic                                                                                                                                                                                                           |                           | Reach Candidate list                                |
| <b>Perfluorononanoic acid (PFNA) and its salts</b>                                                                                                                                              | All        | Lubricating oil additive, fire extinguishers, foaming agents, cleaning agent, in liquid crystal display panels                                                                                                                                                                                             |                           | Reach Candidate list +<br>California Proposition 65 |
| <b>Phenanthrene</b>                                                                                                                                                                             | 85-01-8    | Dyes, pharmaceuticals, explosives                                                                                                                                                                                                                                                                          |                           | Reach Candidate list                                |
| <b>Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP); all</b> | Several    | Fuels and fuel additives, lubricants and lubricant additives, paint additives and coating additives, processing aids specific to petroleum production. Surface active agents.                                                                                                                              |                           | Reach Candidate list                                |
| <b>Phenol, methylstyrenated</b>                                                                                                                                                                 | 68512-30-1 | Adhesives and sealants, coating products, fillers, putties, plasters, modelling clay, inks and toners and polymers.                                                                                                                                                                                        |                           | Reach Candidate list                                |

| Name (substance, family or group)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CAS No.                                                                                                                                                    | Example of known uses                                                                                                                                                                                              | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Phenolphthalein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 77-09-8                                                                                                                                                    | Laboratory chemical                                                                                                                                                                                                |                              | Reach Candidate list                         |
| Phenyl glycidyl ether                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 122-60-1                                                                                                                                                   | Chemical intermediate.<br>Component of epoxy resins                                                                                                                                                                |                              | California Proposition 65                    |
| <b>Phthalates, selected</b> <ul style="list-style-type: none"> <li>• Bis(2-methoxyethyl) phthalate</li> <li>• Dipentyl phthalate (DPP)</li> <li>• Diisopentylphthalate (DIPP)</li> <li>• 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkylesters</li> <li>• 1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear</li> <li>• 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich</li> <li>• N-Pentyl-isopentyl phthalate</li> <li>• Dihexyl phthalate</li> <li>• 1,2-benzendicarboxylic acid, dipentylester, branched and linear</li> <li>• 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters;</li> <li>• 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with <math>\geq 0.3\%</math> of dihexyl phthalate (EC No. 201-559-5) Dicyclohexyl phthalate (DCHP)</li> </ul> | 117-82-8<br>131-18-0<br>605-50-5<br>68515-42-4<br>68515-50-4<br>71888-89-6<br>776297-69-9<br>84-75-3<br>84777-06-0<br>68515-51-5,<br>68648-93-1<br>84-61-7 | Plasticizer in rubber and plastic, paints                                                                                                                                                                          |                              | Reach Candidate list                         |
| <b>Phthalic anhydrides, selected</b> <ul style="list-style-type: none"> <li>• Hexahydromethylphthalic anhydride</li> <li>• Cyclohexane-1,2-dicarboxylic anhydride</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Several                                                                                                                                                    | Manufacture of polyester, alkyd resins<br>Plasticizers for thermoplastic polymers                                                                                                                                  |                              | Reach Candidate list                         |
| Pirimicarb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 23103-98-2                                                                                                                                                 | Pesticide, insecticide                                                                                                                                                                                             |                              | California Proposition 65                    |
| Plicamycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 18378-89-7                                                                                                                                                 | Used as a drug but also in fluorescent dyes                                                                                                                                                                        |                              | California Proposition 65                    |
| p-Nitrosodiphenylamine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 156-10-5                                                                                                                                                   | Used as a chemical intermediate for dyes and pharmaceuticals. Also acts as a polymerization inhibitor during the manufacture of vinyl monomers such as styrene. Also used as accelerator for rubber vulcanization. |                              | California Proposition 65                    |
| Polybrominated biphenyls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                                                          | Fire retardant for ABS plastics, coatings, lacquers and polyurethane foams                                                                                                                                         |                              | California Proposition 65                    |
| Polychlorinated dibenzofurans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                                                                                                                                                          | Occupational exposure to dibenzofuran may occur through inhalation and contact with the skin, particularly at sites where coal tar, coal tar derivatives, and creosote are produced or used                        |                              | California Proposition 65                    |

| Name (substance, family or group)   | CAS No.    | Example of known uses                                                                                                                                                                                      | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|-------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Polychlorinated dibenzo-p-dioxins   | -          | Occupational exposure is an issue for some in the chemical industries, historically for those making chlorophenols or chlorophenoxy acid herbicides or in the application of chemicals, notably herbicides |                              | California Proposition 65                    |
| Ponceau 3R                          | 3564-09-8  | Dye formerly used in foods, drugs, cosmetics, textile                                                                                                                                                      |                              | California Proposition 65                    |
| Ponceau MX                          | 3761-53-3  | Dye used in textile, leather, ink, paper, wood, food and drugs                                                                                                                                             |                              | California Proposition 65                    |
| Potassium bromate                   | 7758-01-2  | It is being used as laboratory reagent, oxidizing agent, permanent-wave compounds, maturing agent in flour, dough conditioner, food additive and industrial cleaning agent                                 |                              | California Proposition 65                    |
| Potassium dimethyldithiocarbamate   | 128-03-0   | Fungicide, antimicrobial                                                                                                                                                                                   |                              | California Proposition 65                    |
| Procymidone                         | 32809-16-8 | Pesticide                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Pronamide                           | 23950-58-5 | Herbicide                                                                                                                                                                                                  |                              | California Proposition 65                    |
| 1,3-propanesultone                  | 1120-71-4  | Electrolyte fluid of lithium-ion batteries                                                                                                                                                                 |                              | Reach Candidate list                         |
| Propachlor                          | 1918-16-7  | Herbicide                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Propargite                          | 2312-35-8  | Acaricide/miticide                                                                                                                                                                                         |                              | California Proposition 65                    |
| Propazine                           | 139-40-2   | Herbicide                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Propoxur                            | 114-26-1   | Insecticide                                                                                                                                                                                                |                              | California Proposition 65                    |
| Propylene glycol mono-t-butyl ether | 57018-52-7 | Industrial solvent. Used in cleaners, inks, adhesives, paints, coatings                                                                                                                                    |                              | California Proposition 65                    |
| Pyrene                              | 129-00-0   | Intermediate for the manufacture of fine chemicals                                                                                                                                                         |                              | Reach Candidate list                         |

| Name (substance, family or group)                                                                                                                                         | CAS No.     | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
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| Pyridine                                                                                                                                                                  | 110-86-1    | Used in the manufacture of pharmaceuticals such as CNS stimulants, and local anesthetics. Used as a solvent in manufacture of polycarbonate resins used in hand tools, small appliances, camera parts, safety helmets, and electrical connectors. Used as a solvent reaction medium or catalyst in paint manufacture, carbohydrate treatment, ... used as a coupling /reagent/ in azo dye manufacture; used in purification of mercury fulminate in explosives manufacture, during thermal decomposition of flexible polyurethane foams; used as an inhibitor and for preparation of inhibitors; used in oil and gas well drilling. |                              | California Proposition 65                    |
| Quinoline and its strong acid salts                                                                                                                                       | -           | The main application of quinoline is the production of 8-quinolinol, which is obtained by alkali fusion of quinoline-8- sulfonic acid. Quinoline can be used to produce methine dyes and nicotinic acid. Quinoline alone, or as a mixture with isoquinoline and quinoline homologues, is an excellent solvent and extractor, especially for polycyclic aromatic compounds.                                                                                                                                                                                                                                                          |                              | California Proposition 65                    |
| Quizalofop-ethyl                                                                                                                                                          | 76578-14-8  | Herbicide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              | California Proposition 65                    |
| Radionuclides                                                                                                                                                             | -           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              | California Proposition 65                    |
| Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine             | -           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              | Reach Candidate list                         |
| Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives                                                                                        | 192268-65-8 | Lubricating agent, hydraulic fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | Reach Candidate list                         |
| 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 | -           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              | Reach Candidate list                         |

| Name (substance, family or group)                                                                                                                                                                            | CAS No.                          | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                            | Exempted uses/ exemptions | Reason for inclusion (or legal reference) |
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| <b>Refractory ceramic fibres (RCF), selected</b> <ul style="list-style-type: none"> <li>• Zirconia Aluminosilicate Refractory Ceramic Fibres</li> <li>• Aluminosilicate Refractory Ceramic Fibres</li> </ul> | -                                | Fire protection, High- temperature insulation                                                                                                                                                                                                                                                                                                                                                                    |                           | Reach Candidate list                      |
| <b>Residual (heavy) fuel oils</b>                                                                                                                                                                            | -                                | -                                                                                                                                                                                                                                                                                                                                                                                                                |                           | California Proposition 65                 |
| <b>Resmethrin</b>                                                                                                                                                                                            | 10453-86-8                       | Insecticide                                                                                                                                                                                                                                                                                                                                                                                                      |                           | California Proposition 65                 |
| <b>S,S,S-Tributyl phosphorotrithioate (Tribufos, DEF)</b>                                                                                                                                                    | 78-48-8                          | Used as insecticide, herbicide and defoliant                                                                                                                                                                                                                                                                                                                                                                     |                           | California Proposition 65                 |
| <b>Sedaxane</b>                                                                                                                                                                                              | 874967-67-6                      | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                        |                           | California Proposition 65                 |
| <b>Shale-oils</b>                                                                                                                                                                                            | 68308-34-9                       | It is primarily used as a heating oil and marine fuel, and to a lesser extent in the production of various chemicals                                                                                                                                                                                                                                                                                             |                           | California Proposition 65                 |
| <b>Silica, crystalline (airborne particles of respirable size)</b>                                                                                                                                           | -                                | Silica is used as fillers in the rubber industry, in tire compounds, as free-flow and anti-caking agents in powder materials, and as liquid carriers, particularly in the manufacture of animal feed and agrochemicals; other uses are found in toothpaste additives, paints, silicon rubber, insulation material, liquid systems in coatings, adhesives, printing inks, plastisol car undercoats, and cosmetics |                           | California Proposition 65                 |
| <b>Silicon carbide whiskers</b>                                                                                                                                                                              | /                                | Reinforcement materials for ceramics (turbines and jet engines, industrial heating) and plastics.                                                                                                                                                                                                                                                                                                                |                           | California Proposition 65                 |
| <b>Siloxanes, selected</b> <ul style="list-style-type: none"> <li>• Octamethylcyclotetrasiloxane (D4)</li> <li>• Decamethylcyclopentasiloxane (D5)</li> <li>• Dodecamethylcyclohexasiloxane (D6)</li> </ul>  | 556-67-2<br>541-02-6<br>540-97-6 | Washing and cleaning products, waxes and polishes                                                                                                                                                                                                                                                                                                                                                                |                           | Reach Candidate list                      |
| <b>Simazine</b>                                                                                                                                                                                              | 122-34-9                         | Herbicide                                                                                                                                                                                                                                                                                                                                                                                                        |                           | California Proposition 65                 |
| <b>Sodium dimethyldithiocarbamate</b>                                                                                                                                                                        | 128-04-1                         | Disinfectant. Corrosion inhibitor. Coagulant. Vulcanizing agent in rubber. Chelating agent. Fungicide. Antimicrobial in paints                                                                                                                                                                                                                                                                                   |                           | California Proposition 65                 |

| Name (substance, family or group)                                                                                                                               | CAS No.     | Example of known uses                                                                                                                                                                                                                                                                                                                                      | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
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| Soots, tars, and mineral oils<br>(untreated and mildly treated oils and used engine oils)                                                                       | -           | Untreated and mildly treated oils and used engine oils                                                                                                                                                                                                                                                                                                     |                              | California Proposition 65                    |
| Spirodiclofen                                                                                                                                                   | 148477-71-8 | Insecticide                                                                                                                                                                                                                                                                                                                                                |                              | California Proposition 65                    |
| S-(tricyclo(5.2.1.0 <sup>2,6</sup> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | Lubricants, greases                                                                                                                                                                                                                                                                                                                                        |                              | Reach Candidate list                         |
| Styrene                                                                                                                                                         | 100-42-5    | Styrene is an important commercial chemical. It is used to make synthetic rubber, plastics, resins, latex paints, coatings, polyesters and in agricultural products. It has been approved for food use in the making of food containers and disposable cups                                                                                                |                              | California Proposition 65                    |
| Styrene oxide                                                                                                                                                   | 96-09-3     | Used as a chemical intermediate in the production of styrene glycol, epoxy resins, surface coatings. Used for the treatment of fibers and textiles                                                                                                                                                                                                         |                              | California Proposition 65                    |
| Sulfallate                                                                                                                                                      | 95-06-7     | Herbicide                                                                                                                                                                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Sulfur dioxide                                                                                                                                                  | 7446-09-5   | Sulfur dioxide is an important commercial chemical. It is used to make sulfuric acid and in industries such as paper production, food and farming, waste water treatment and metal and oil refining. It was used as a refrigerant and is formed when materials containing sulfur are burned. Sulfur dioxide is used as a fungicide and acaricide on grapes |                              | California Proposition 65                    |
| 4,4'-sulphonyldiphenol                                                                                                                                          | 80-09-1     | Manufacture of: pulp, paper and paper products, textile, leather or fur and chemicals.                                                                                                                                                                                                                                                                     |                              | Reach Candidate list                         |
| Talc containing asbestiform fibers                                                                                                                              | -           | Talc                                                                                                                                                                                                                                                                                                                                                       |                              | California Proposition 65                    |
| Terbacil                                                                                                                                                        | 5902-51-2   | Herbicide                                                                                                                                                                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Terphenyl hydrogenated                                                                                                                                          | 61788-32-7  | Plastic additive, solvent, adhesives, heat transfer fluids etc.                                                                                                                                                                                                                                                                                            |                              | Reach Candidate list                         |

| Name (substance, family or group)                                                | CAS No.   | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
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| 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers; selected | Several   | Cleaning agents, cosmetics, in scented articles, polishes and wax blends. Plastic material and resin manufacturing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              | Reach Candidate list                         |
| 4-tert-butylphenol                                                               | 98-54-4   | Coatings, polymers, adhesives, sealants and for the synthesis of other substances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              | Reach Candidate list                         |
| 4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated                                 | Several   | Used as detergents, emulsifiers, wetting agents, defoaming agents, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | Reach Candidate list                         |
| Terrazole                                                                        | 2593-15-9 | Fungicide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Tetrabromobisphenol A                                                            | 79-94-7   | <p>Primarily used as a reactive flame retardant in epoxy resin circuit boards and more recently in electronic enclosures made of polycarbonate-acrylonitrile- butadiene-styrene (PC-ABS); approximately 90% is used in the manufacture of the resins. In encapsulations for integrated circuit chips, 2,2',6,6'-tetrabromobisphenol A (TBBPA) is incorporated into the epoxy polymer structure after curing, resulting in no free TBBPA in the finished product.</p> <p>In addition to its use in polymers, general applications include its use as a flame retardant for plastics, paper, and textiles; as a plasticizer; in adhesives and coatings; and as a chemical intermediate for the synthesis of other flame retardants. It has also been used as a fire-retardant additive and as a fire-retardant polycarbonate comonomer. Additionally, TBBPA is applied to carpeting and office furniture</p> |                              | California Proposition 65                    |
| Tetrachloroethylene (Perchloroethylene)                                          | 127-18-4  | It is used as a solvent in dry cleaning, metal degreasing and as a chemical intermediate. It is present in house hold products, such as arts and crafts adhesives, auto cleaning and degreasing products, and stain removers. Minor uses include transformer insulating fluid and desulfurization of coal. Perc was formerly used as a pesticide and to treat hookworm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | California Proposition 65                    |

| Name (substance, family or group)                                                                                                                                                                                                                                                                                                                                                                                | CAS No.    | Example of known uses                                                                                                                                                                                                                    | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Tetrachlorvinphos                                                                                                                                                                                                                                                                                                                                                                                                | 22248-79-9 | Insecticide                                                                                                                                                                                                                              |                              | California Proposition 65                    |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)                                                                                                                                                                                                                                                    | -          | Processing aid in the production of fluorinated polymers.                                                                                                                                                                                |                              | Reach Candidate list                         |
| Tetrafluoroethylene                                                                                                                                                                                                                                                                                                                                                                                              | 116-14-3   | Mainly used for preparation of polytetrafluoroethylene (Teflon (R)) Resins and copolymers                                                                                                                                                |                              | California Proposition 65                    |
| Tetrahydrofuran                                                                                                                                                                                                                                                                                                                                                                                                  | 109-99-9   | Used as solvent. Found in adhesives, sealants, paints, coatings, plastics and rubbers.                                                                                                                                                   |                              | California Proposition 65                    |
| 4-(1,1,3,3-Tetramethylbutyl) phenol                                                                                                                                                                                                                                                                                                                                                                              | 140-66-9   | Adhesive, Coatings, Ink                                                                                                                                                                                                                  |                              | Reach Candidate list                         |
| 4-(1,1,3,3-Tetramethylbutyl) phenol, ethoxylated                                                                                                                                                                                                                                                                                                                                                                 | -          | Paint, coating products                                                                                                                                                                                                                  |                              | Reach Candidate list                         |
| N,N,N',N'-Tetramethyl-4,4'-methylenedianiline                                                                                                                                                                                                                                                                                                                                                                    | 101-61-1   | Dye, Electric and electronic equipment, Pigment                                                                                                                                                                                          |                              | Reach Candidate list                         |
| Tetranitromethane                                                                                                                                                                                                                                                                                                                                                                                                | 509-14-8   | It has been used as an oxidizing agent in rocket propellants.<br><br>It has also been used as an explosive, as an additive in diesel fuel to increase octane rating, and as a reagent for nitration of tyrosine in proteins and peptides |                              | California Proposition 65                    |
| Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-[[4-chloro-6-({2-[(4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino)-1,3,5-triazine-2-yl]amino]propyl]amino)-1,3,5-triazine-2-yl]amino)-5-sulfonato-1-naphthyl]diazenyl]-5-methoxyphenyl]diazenyl]-1,3,6-naphthalenetrisulfonate (Reactive Brown 51) substance having a complex composition with <80% of the above constituents and other reaction side products | 466-490-7  | Reactive Brown 51 is used in textile treatment products and dyes, and is also found in some cosmetics and personal care products.                                                                                                        |                              | Reach Candidate list                         |
| Thioacetamide                                                                                                                                                                                                                                                                                                                                                                                                    | 62-55-5    | Stabilizer of motor fuel containing tetraethyl lead                                                                                                                                                                                      |                              | California Proposition 65                    |
| Thiodicarb                                                                                                                                                                                                                                                                                                                                                                                                       | 59669-26-0 | Thiodicarb is an agricultural insecticide. It is also used on ornamentals                                                                                                                                                                |                              | California Proposition 65                    |

| Name (substance, family or group)                                 | CAS No.    | Example of known uses                                                                                                                                                                                                                                                                                                                                                      | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference) |
|-------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------|
| Thiophanate methyl                                                | 23564-05-8 | Fungicide                                                                                                                                                                                                                                                                                                                                                                  |                              | California Proposition 65                    |
| Thiourea                                                          | 62-56-6    | Mainly used to make other chemicals used in textile and wool processing and mineral ore processing. Thiourea is also used during the production of blueprint and photocopy paper, resins, dyes, drugs, cleaners, and other chemicals. Thiourea is an ingredient in some film development chemicals and silver polishes. It can also be found in hydraulic fracturing fluid |                              | California Proposition 65                    |
| Thorium dioxide                                                   | 1314-20-1  | Thorium dioxide was mainly used in gas mantles because of its long life incandescent properties. The chemical was also used in the development of nuclear reactors, and in electrodes for arc welding                                                                                                                                                                      |                              | California Proposition 65                    |
| Titanium dioxide (airborne, unbound particles of respirable size) | 13463-67-7 | -                                                                                                                                                                                                                                                                                                                                                                          |                              | California Proposition 65                    |
| Toluene                                                           | 108-88-3   | It is used as a gasoline additive and to make other chemicals, nylon and plastics, explosives, as a solvent for paints , coatings, gums, resins, most oils, rubber, vinyl organosols and as a thinner for inks, dyes and perfumes. Used in cements, solvents, spot removers, cosmetics, antifreezes, and inks                                                              |                              | California Proposition 65                    |
| Toluene diisocyanate                                              | 26471-62-5 | Used as a monomer in the preparation of polyurethane foams, elastomers and coatings, as a cross-linking agent for nylon-6, and as a hardener in polyurethane adhesives and finishes                                                                                                                                                                                        |                              | California Proposition 65                    |
| o-Toluidine                                                       | 95-53-4    | Intermediate for dyes                                                                                                                                                                                                                                                                                                                                                      |                              | Reach Candidate list                         |
| Triadimefon                                                       | 43121-43-3 | Systemic fungicide active against mildews and rusts of grains, fruits, vegetables and ornamentals                                                                                                                                                                                                                                                                          |                              | California Proposition 65                    |

| Name (substance, family or group)                                                                                                                                                                         | CAS No.                 | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------|
| Trichloroacetic acid                                                                                                                                                                                      | 76-03-9                 | Primarily for the production of its sodium salt, which is used as a selective herbicide /Former use/. Also as an etching or pickling agent in the surface treatment of metals, as a swelling agent and solvent in the plastics industry, as an albumin precipitating agent in medicine, as an auxiliary in textile finishing, as an additive to improve high-pressure properties in mineral lubricating oils, to remove warts and hard skin, and as starting material in organic synthesis. |                              | California Proposition 65                                                     |
| Trichloroethylene (TCE)                                                                                                                                                                                   | 79-01-6                 | Degreasing agent, Adhesives                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | Reach Candidate list<br>Reach Authorization list                              |
| 1,2,3-Trichloropropane                                                                                                                                                                                    | 96-18-4                 | Synthesis chemical                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              | Reach Candidate list                                                          |
| Trifluoroiodomethane (trifluoromethyl iodide)                                                                                                                                                             | 2314-97-8               | Used as a trifluoromethylating agent, etchant gas, and alternative to chlorofluorocarbons (fire extinguishers and refrigeration).                                                                                                                                                                                                                                                                                                                                                           |                              | Regulation (EU) 2024/590 - substances that deplete the ozone layer (Annex II) |
| 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts                                                                                                                                | Several                 | Used in the manufacture of high-performance plastics, polymers, coatings, elastomers, adhesives, lubricants, gaskets and seals.                                                                                                                                                                                                                                                                                                                                                             |                              | Reach Candidate list                                                          |
| Triforine                                                                                                                                                                                                 | 26644-46-2              | Pesticide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              | California Proposition 65                                                     |
| Triglycidylisocyanurate (TGIC)<br>• 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)<br>• 1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) | 2451-62-9<br>59653-74-6 | Goods of metal like tools, plastic goods (softener), Curing agent, coating and laminating, printing ink, screen print                                                                                                                                                                                                                                                                                                                                                                       |                              | Reach Candidate list                                                          |
| TRIM® VX                                                                                                                                                                                                  | -                       | TRIM® VX is a metalworking fluid used as a lubricant and coolant liquid for cleaning tools and parts during cutting, drilling, milling and grinding                                                                                                                                                                                                                                                                                                                                         |                              | California Proposition 65                                                     |
| (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)                                                    | Several                 | Cosmetics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              | Reach Candidate list                                                          |
| Trimethylolpropane triacrylate                                                                                                                                                                            | 15625-89-5              | Found in adhesives, sealants, paints and coatings.                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              | California Proposition 65                                                     |
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one                                                                                                                                             | 15087-24-8              | Cosmetic ingredient (UV-B filter)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              | Reach Candidate list                                                          |

| Name (substance, family or group)                                                                                            | CAS No.    | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                       | Exempted uses/<br>exemptions | Reason for inclusion<br>(or legal reference)     |
|------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
| Trimethyl phosphate                                                                                                          | 512-56-1   | Trimethyl phosphate is used as a gasoline additive to prevent spark plug fouling and engine rumble. It is also used as a flame retardant for paints and polymers. Trimethyl phosphate is a raw material for making insecticides                                                                                                                                                                                                             |                              | California Proposition 65                        |
| Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)                                                                                | 13674-87-8 | Flame-retardant in plastics and as a secondary plasticizer                                                                                                                                                                                                                                                                                                                                                                                  |                              | California Proposition 65                        |
| Tris(2-chloroethyl) phosphate (TCEP)                                                                                         | 115-96-8   | Flame retardant in plastic and textile                                                                                                                                                                                                                                                                                                                                                                                                      |                              | Reach Candidate list<br>Reach Authorization list |
| Tris(2,3-dibromopropyl)phosphate                                                                                             | 126-72-7   | It has been used as a flame retardant in polyurethane foams for cushioning, insulation, furniture, and automobile and aircraft interior parts, as well as in polystyrene foam, acrylic carpets and sheets, water flotation devices, polyvinyl and phenolic resins, paints, lacquers, paper coatings, styrene-butadiene rubber, and latexes. It could also be used in polyester and cellulosic acetate fabrics, but also in acrylic fabrics. |                              | California Proposition 65                        |
| Tris(2-methoxyethoxy)vinylsilane                                                                                             | 1067-53-4  | Found in rubbers, plastics, sealants, plating agents and surface treating agents.                                                                                                                                                                                                                                                                                                                                                           |                              | Reach Candidate list                             |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) | -          | Antioxidant to stabilize polymers                                                                                                                                                                                                                                                                                                                                                                                                           |                              | Reach Candidate list                             |
| 2,4,6-tri-tert-butylphenol                                                                                                   | 732-26-3   | Manufacture of another substance; formulation of mixtures and in fuel products.                                                                                                                                                                                                                                                                                                                                                             |                              | Reach Candidate list                             |
| Trixylyl phosphate                                                                                                           | 25155-23-1 | Can occur in lubricants and transmission medium                                                                                                                                                                                                                                                                                                                                                                                             |                              | Reach Candidate list                             |
| Unleaded gasoline (wholly vaporized)                                                                                         | -          | -                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              | California Proposition 65                        |
| Urethane (Ethyl carbamate)                                                                                                   | 51-79-6    | Intermediate in the production of pharmaceuticals, as an antineoplastic agent, and as a reagent in biochemical research. Solubilizer and cosolvent for pesticides, fumigants                                                                                                                                                                                                                                                                |                              | California Proposition 65                        |

| Name (substance, family or group)                                                       | CAS No.    | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Exempted uses/ exemptions | Reason for inclusion (or legal reference) |
|-----------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------|
| Vanadium pentoxide (orthorhombic crystalline form)                                      | 1314-62-1  | <p>Mainly used in the steel industry. It is used in ceramics and in the production of superconductive magnets. It is used as a catalyst in dye, paint and varnish drying, glass and ink manufacture, pesticides, and photographic chemicals.</p> <p>Vanadium pentoxide is naturally occurring, and it is the most recovered form of vanadium that is found in about 80 different mineral ores. It is present in coal, crude oil, and residual fuel oil. It is released naturally to air, water, and soil.</p> |                           | California Proposition 65                 |
| Vinclozolin                                                                             | 50471-44-8 | Fungicide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                           | California Proposition 65                 |
| Vinyl acetate                                                                           | 108-05-4   | <p>Its main use is as a monomer for making poly(vinyl acetate) and vinyl acetate copolymers, which are used as components in coatings, paints, and sealants, binders (adhesives, nonwovens, construction products, and carpet-backing) and in miscellaneous uses such as chewing gum and tablet coatings. Vinyl acetate is also copolymerized as the minor constituent with vinyl chloride and with ethylene to form commercial polymers and with acrylonitrile to form acrylic fibers.</p>                   |                           | California Proposition 65                 |
| Vinyl bromide                                                                           | 593-60-2   | Vinyl bromide is used as an intermediate in organic synthesis and for the preparation of plastics by polymerization and copolymerization. Also used as flame-retarding agent for acrylic fibers                                                                                                                                                                                                                                                                                                               |                           | California Proposition 65                 |
| Vinyl fluoride                                                                          | 75-02-5    | The main use of monofluoroethylene is in the production of poly (vinyl fluoride), plastic                                                                                                                                                                                                                                                                                                                                                                                                                     |                           | California Proposition 65                 |
| 1-vinylimidazole                                                                        | 1072-63-5  | <p>Monomer in the production of polymers.</p> <p>Used in paints, grease, oils, plastics, metal treatments.</p>                                                                                                                                                                                                                                                                                                                                                                                                |                           | Reach Candidate list                      |
| $\alpha$ -Methyl styrene (alpha-Methylstyrene)                                          | 98-83-9    | Polymerization monomer, especially for polyesters and resins                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           | California Proposition 65                 |
| Nitrous oxide                                                                           | 10024-97-2 | It used for leak detection and to make other chemicals, in rocket fuels, and human and veterinary anesthetic agents. An approved food quality form is used as a foaming agent for whipping cream                                                                                                                                                                                                                                                                                                              |                           | California Proposition 65                 |
| p-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (para-Chlorobenzotrifluoride, PCBTF) | 98-56-6    | Can be used in dyes, paints, plasticizers, solvents, lubricants, cleaning products, adhesives and as processing aid                                                                                                                                                                                                                                                                                                                                                                                           |                           | California Proposition 65                 |

## Annex B - Phase-out list – Substances to be included in Prohibited List

| Name (substance, family or group)       | CAS No.  | Example of known uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | When prohibited                                                                                                                                                                                                                                 | Reason for inclusion                                                                                                                                         | Legal scoop                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2,4-dinitrotoluene                      | 121-14-2 | <p>The predominant use of 2,4-dinitrotoluene is as an intermediate in the manufacture of polyurethanes. 2,4-Dinitrotoluene is also used by the munitions industry, automotive safety systems or similar application. Examples include but are not limited to the following:</p> <p>Airbags;</p> <p>Seat belt pre-tensioners;</p> <p>Pyrotechnic actuators; or</p> <p>Gas generators/inflators and pyrotechnic initiators for any of the above-mentioned products</p> <p>Propellants/smokeless powders as an integral part of an article. Examples include but are not limited to the following:</p> <p>Ammunition</p> <p>Any other application where the production of energy/gas is used to create movement/generate propulsion of object(s)</p> <p>Refractory articles or similar application</p> <p>In plastic articles. Examples include but are not limited to containers, bottles.</p> | To be defined                                                                                                                                                                                                                                   | Carcinogenic properties                                                                                                                                      | Europe is planning a restriction on placing on the market, or use, as a substance in articles for supply to the general public or to professional workers in concentrations above 0.1%.                                                                                                                                                    |
| HFC's and fluorinated greenhouse gasses |          | Both commercial (HVAC systems) and industrial (chillers, dryers, ...) applications are targeted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Certain applications have already been banned. For other applications the deadline varies per application, regulation and the GWP. (Jan 2025, Jan 2026, Jan 2027, Jan 2028, Jan 2029, 2030, Jan 2032)                                           | Global Warming Potential                                                                                                                                     | <ul style="list-style-type: none"> <li>– EU F-gas Regulation (2024-573)</li> <li>– USA EPA Restrictions on the Use of Certain HFCs under the AIM ACT (40CFR84, §84.54)</li> <li>– Washington WAC Chapter 173-443</li> <li>– California Code of Regulations, Title 17, Div 3, Chapter 1, Subchapter 10 Climate Change, Article 4</li> </ul> |
| Perchloroethylene (PCE)                 | 127-18-4 | Can be found in degreasers, paint strippers, adhesives and cleaning products. PCE is also used during the production of refrigerants and at petroleum refineries as a processing aid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>Various deadlines apply:</p> <ul style="list-style-type: none"> <li>– Distribution: March 8, 2027</li> <li>– Industrial use: June 7, 2027</li> </ul> <p>After these deadlines usage is still allowed under strict controlled conditions.</p> | Health risks such as damage to the kidney, liver, and immune system, neurotoxicity and reproductive toxicity, and cancer from inhalation or dermal exposures | TSCA 40 CFR Part 751                                                                                                                                                                                                                                                                                                                       |

## Annex C - Clarification of legal references and scope

Use of substances in Atlas Copco Group Declarable list shall be limited. Regardless if the scope of the legal reference is limited to a product type or a region, the Atlas Copco Group has decided that presence of any listed substance must be declared for all products delivered to the Atlas Copco Group unless else is clearly exempted in Atlas Copco Declarable list. The duty to declare applies to any individual article assembled in any product.

**Note** that a substance can be included in many different legislations. The strictest requirement is then applied.

**Phase-out list:** contains substances that we want to highlight since they will soon be added to the Prohibited list. Information about when the substances will be added to Prohibited list, in what regulation the substances are included, and in what products/materials the substance is known to be found in is given in this section. This list is short and meant as a priority list for substitution.

**California Proposition 65:** This regulation is applicable for all items sold in the State of California. The law requires businesses to provide proper warnings about exposures if the product contains substances known to cause cancer, birth defects or other reproductive harm to protect the general public from being exposed.

**REACH<sup>2</sup> (abbreviation for Restriction, Evaluation, Authorisation and restriction of Chemicals):** is the name of EU's chemicals legislation. As chemicals are components in products and processes used in our industry, some parts of REACH apply to the Atlas Copco Group. By REACH compliance Atlas Copco Group means that content above 0,1 % of any substance included in the Candidate list is declared and no substance is used in contradiction to the restrictions in Annex XVII.

**REACH Candidate list:** is a list of substances identified to have long term negative effects on health and environment (e.g. carcinogenic, mutagenic or reprotoxic (CMR), endocrine disruptors or persistent, bioaccumulative and toxic for the environment (PBT and vPvB)). These substances are also known as Substances of Very High Concern and the list as SVHC-list.

Information about content of any substance included in the REACH Candidate list of Substances of Very High Concern in concentrations above 0,1 % must be provided to the Atlas Copco Group. The information must be provided for all individual articles assembled in any product delivered to the Atlas Copco Group.

If any individual article contains substances included in the Candidate list the Atlas Copco Group must actively provide such information to our customers. This requirement is stated in Article 33 of REACH. New substances are added to the Candidate list twice annually with instant duty to inform customers.

All substances in the Candidate listed are included in the Declarable list unless they are also regulated by a stricter legislation. If regulated by a stricter regulation the substance is included in the Prohibited list.

**REACH Authorization list (REACH Annex XIV):** Some of the substances in the Candidate list are also included in REACH Authorization list, meaning they cannot be used without a permit within EU. Atlas Copco Group does not differentiate between substances in the Authorization list or the Candidate list – but note that substances included in Authorization list cannot be used within EU without a permit from the EU Commission.

**Reach Annex XVII:** contains a list of substances (on its own, in mixtures or in an article) for which the manufacturing, placing on the market or use is limited or banned in European Union. The list contains substances that pose an unacceptable risk to human health or to the environment. To ensure compliance for Atlas Copco Group products, all relevant substances/entries in Reach Annex XVII are included in the Atlas Copco Group Prohibited list or Declarable list.

**Kyoto Protocol (Greenhouse gases):** is an international agreement to fight global warming by reducing greenhouse gas concentrations in the atmosphere. Atlas Copco Group follows EU's interpretation and prohibits any products to contain substances with a global warming potential (GWP) above 2500. Content of greenhouse gases identified to have a GWP below 2500 in concentrations above 0,1% should be declared.

**RoHS<sup>3</sup> (abbreviation of Restriction of Hazardous Substances):** is a legislation banning use of hazardous substances in electric and electronic equipment to facilitate recycling. RoHS bans the use of lead, mercury, hexavalent chromium, cadmium, the brominated flame retardants PBDE and PBB and the plasticizers DEHP<sup>4</sup>, DIBP, BBP and DBP in electric and electronic equipment (EEE), including cables and spare parts. Many components and spare parts incorporated in or used with Atlas Copco Group equipment are covered by this legislation when sold as individual parts.

To ensure compliance with this regulation Atlas Copco Group bans the use of these substances in concentrations above 0.1 % (0.01% for cadmium) in processes and any item delivered to the Group. For electric and electronic equipment (EEE), including cables and spare parts, the prohibition is valid for any homogeneous material. For non-EEE the prohibition is valid for any individual article assembled in a product delivered to Atlas Copco Group.

**TSCA (abbreviation of Toxic Substance Control Act):** TSCA regulates the manufacture, import, distribution, use, release, and disposal of new and existing chemicals in U.S. Commerce. Through TSCA the Environmental Protection Agency (EPA) can impose restrictions or bans of hazardous substances.

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<sup>2</sup>REACH – Registration, Evaluation, Authorization and restriction of Chemicals (EC 1907/2006)

<sup>3</sup>RoHS – Restriction of Hazardous Substances in electric and electronic equipment (2011/65/EU).

<sup>4</sup>The plasticizers di(2-ethylhexyl)phthalate (DEHP), buthylbenzylphthalate (BBP), dibutylphthalate (DBP) and diisobutylphthalate (DIBP) (0,1 %) are banned in EEE put on the market after July 22, 2019

**Japan CSCL:** Under the Chemical Substance Control Law class I substances are prohibited to be manufactured or imported into Japan for certain products and mixtures. These class I substances are considered to be persistent, highly bio-accumulative, and have a risk of long-term toxicity to humans.

**PFAS Reporting and Restrictions in Minnesota, Maine and the U.S.:** In Minnesota, House File 2310 requires manufacturers to report the presence of intentionally added PFAS in products to the Minnesota Pollution Control Agency (MPCA) starting in 2026. The law also prohibits the sale of certain PFAS-containing products beginning in 2025, with a full ban on all PFAS-containing products by 2032, unless designated as a currently unavoidable use.

Starting January 1, 2032, no product containing intentionally added PFAS may be sold in Maine unless the use is specifically classified as currently unavoidable.

At the federal level, the U.S. Environmental Protection Agency (EPA) enforces PFAS reporting under the Toxic Substances Control Act (TSCA). This rule mandates that manufacturers and importers disclose extensive data on PFAS use, production, and potential exposure risks.

**Global HFC & F-Gas Regulations Overview (EU & U.S.)** Regulatory efforts in both the EU and the U.S. are accelerating the phase-down of hydrofluorocarbons (HFCs) and fluorinated gases (F-gases) to combat climate change. The EU F-Gas Regulation (2024/573) imposes strict bans on high-GWP refrigerants, reduces HFC quotas, and promotes natural alternatives. In the U.S., the EPA's AIM Act (40 CFR 84, §84.54) enforces a nationwide HFC phase-down with restrictions on certain applications. States like Washington (WAC 173-443) and California (Title 17, Article 4) implement even stricter bans, reporting requirements, and recycling mandates. These combined regulations are intended to drive industries toward low-GWP alternatives, stricter compliance rules, and sustainable refrigerant solutions worldwide.



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