



## ***Atlas Copco Group prohibited list***

Atlas Copco is committed to provide clean, safe and healthy environment for all employees. Use of listed substances is prohibited in products and internal and outsourced processes.



***Atlas Copco***

## Scope

The Prohibited list provides information about Atlas Copco's prohibitions on the use of listed substances in products and processes. All substances included in Atlas Copco Prohibited list are prohibited to be used in any article delivered to Atlas Copco if not exclusively exempted. Regardless if the scope of the legal reference is limited to a product type or a region Atlas Copco has decided that all listed substances are prohibited in all products delivered to and sold by the Group unless else is clearly exempted in the list. All Atlas Copco units as well as business partners, including suppliers, contractors, subcontractors, joint venture partners, and agents must comply with these prohibitions. Compliance with Atlas Copco Prohibited list is part of the 10-Criteria letter for suppliers.

If national rules are more restrictive in the individual case such national rules must be followed.

## Requirements

A prohibition may cover a single substance, a family or a group of substances. In the list the word "several" indicates that there are more substances that are prohibited within the entry.

All intended use of any substance, family or group of substances listed in Annex A is prohibited<sup>1</sup> unless an exemption is given in the Prohibited list. A short version of the Prohibited list is shown in Annex A, not displaying all individual substances included in a family or group of substances. All individual substances, including CAS-nr, family and/or group and legal references is found in the separate document **"Atlas Copco Prohibited and Declarable list – full version"**.

Where threshold values are given, the use of the substances above this threshold is prohibited. Substances that will soon be included in Atlas Copco Prohibited list are listed in Phase-Out list in Annex B. Clarifications of the legal references are given in Annex C.

The prohibition does not apply for substances purchased to be handled in small quantities by qualified staff at laboratories in research and development.

## Radioactive substances (including scrap metal contaminants)

Atlas Copco Group does not accept radiating materials, such as Cobalt 60. Materials must not be radiating, not contain any radiating sources, irrespective if they are encapsulated or not, and not otherwise be contaminated by radiating material.

Radiating materials may be used in applications where they are used intentionally, for example in measuring equipment, and then only to the extent required to achieve the intended purpose.

## Changes from previous version:

The plasticizers di(2-ethylhexyl)phthalate (DEHP), buthylbenzylphthalate (BBP), dibutylphthalate (DBP) and diisobutyl-phthalat (DIBP) has been added to the Prohibited list due to the inclusion in EU RoHS directive.

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

Perfluorinated alkylcarboxylic acid (PFOA) and its salt has been added to the Phase-out list due to the upcoming ban in EU Reach (Annex XVII).

Any item containing lead, cadmium or hexavalent chromium compound (concentration > 0.1%) that is included in EU Candidate list must be declared even if the use is exempted.

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<sup>1</sup> The Prohibited substance may not occur in concentrations higher than 0,1 per cent by mass in any article or ingredient included in a product delivered to or sold by Atlas Copco unless stricter legal requirements apply.

## Annex A Substances included in Prohibited list

| Name<br>(substance, family or group)       | CAS<br>No. <sup>2</sup> | Example of<br>know uses   | Exempted uses  | Concentration limit   | Reason for inclusion<br>(legal reference)  |
|--|-------------------------|---|--|---|--|
| <b>4-Aminobiphenyl and its salts</b>       | several                 | Impurity in dye,<br>Antioxidant in lubricants,<br>rubber/latex and plastics                                   |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII<br><br>Reach Candidate list (individual<br>substances marked in extended list)  |
| <b>Arsenic and arsenic compounds, all</b>  | several                 | Paints, smelted materials,<br>biocides (including wood<br>treatment), glasses, metal<br>finishes, electronics | Prohibited for use in<br>treatment of industrial waters<br>and use of wood treated by<br>arsenic containing mixtures.<br><br>All other uses declarable | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII<br><br>Reach Candidate list (individual<br>substances marked in extended list)<br><br>Reach Authorization list (individual<br>substances marked in extended list) |
| <b>Asbestos fibers, all</b>                | several                 | Insulation material, friction<br>pads, gaskets, construction<br>material                                      |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII   |
| <b>Azocolourants and Azodyes, selected</b> | several                 | Dyes for textiles   |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII   |
| <b>Benzene</b>                             | 71-43-2                 | Contaminant in chemicals,<br>e.g. adhesives, paints etc.<br>Fuels   | The prohibition does not<br>include benzene in motor fuel  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII   |
| <b>Benzidine and its salts, all</b>        | several                 | Impurity in dye;<br>Antioxidant in lubricants,<br>rubber/latex and plastics                                   |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII<br><br>Reach Candidate list (individual<br>substances marked in extended list)  |

<sup>2</sup>CAS is the abbreviation for Chemical Abstract Service registry number. This is an international numeric identifier which designates only one chemical substance.

| Name<br>(substance, family or group)   | CAS<br>No. <sup>2</sup> | Example of<br>know uses   | Exempted uses  | Concentration limit   | Reason for inclusion<br>(legal reference)  |
|--|-------------------------|---|--|---|--|
| <b>Brominated flame retardants</b><br>- Hexabromocyclododecane (HBCDD), all<br>- Polybrominated biphenyls (PBBs), all<br>- Polybrominated diphenyl ethers (PBDEs), all | several                 | Flame retardant in electric and electronic equipment, plastics and textiles   |  | For non-EEE products the maximum concentration of 0,1 % refers to any article included in a product<br><br>In EEE <sup>3</sup> the maximum concentration of 0.1 % by weight is in homogeneous <sup>4</sup> materials.   | RoHS<br>Reach Annex XVII<br>Reach Candidate list (individual substances marked in extended list)<br>Reach Authorization list (individual substances marked in extended list)<br>Stockholm convention (POP) |
| <b>Cadmium and cadmium compounds, all</b>  | several                 | Anti-corrosion surface treatment of metals<br>Plating<br>Stabilizer in polymers<br>Pigment in paint and plastics<br>Ni/Cd batteries and accumulators                          | The prohibition does not cover use in electrical contacts<br><br><i>Note any content of cadmium compounds included in Declarable list must be declared even if the use is exempted Prohibited list</i>   | In EEE the maximum concentration of 0,01 % by weight is in homogeneous materials.<br><br>For non-EEE products the maximum concentration of 0,01 % refers to any article included in a product<br><br>Maximum concentration in batteries of 0.002% cadmium by weight of battery. | RoHS<br>Reach Annex XVII<br>Battery directive<br>Reach Candidate list (individual substances marked in extended list)  |
| <b>Chlorinated and brominated dibenzo-p-dioxines or dibenzofuranes, all</b>  | several                 | By-product from industrial processes  |  | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.   | Stockholm Convention (POP)   |
| <b>Chromium, hexavalent (CrVI) compounds, all</b>  | several                 | Electrical and electronic equipment (e.g. catalysts, plating, surface treatment)<br>Surface treatment<br>Metal finishing<br>Conversions coatings<br>Pigment (paint, dye etc.) | The prohibition does not cover use for anti-corrosion of carbon steel for cooling systems in absorption refrigerators<br><br><i>Note any content of hexavalent chromium compounds included in Declarable list must be declared even if the use is exempted Prohibited list</i> | In EEE the maximum concentration of 0,1 % by weight is in homogeneous materials.<br><br>For non-EEE products the maximum concentration of 0,1 % refers to any article included in a product   | RoHS<br>Reach Candidate list (individual substances marked in extended list)<br>Reach Authorization list (individual substances marked in extended list)   |
| <b>1,1-Dichloroethene</b>  | 75-35-4                 | Plastic materials (residues from production) Degreasing agent   |  | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.   | Reach Annex XVII   |

<sup>3</sup>EEE: abbreviation for electric and electronic equipment

<sup>4</sup>Homogenous material means a material that can not be mechanically disjoined into different materials, such as: unscrewing, cutting, crushing, grinding and abrasive processes.

| Name<br>(substance, family or group)   | CAS<br>No. <sup>2</sup>                        | Example of<br>know uses   | Exempted uses  | Concentration limit   | Reason for inclusion<br>(legal reference)   |
|--|--|---|--|---|---|
| <b>Dichloromethane (Methylene chloride)</b>  | 75-09-2  | Solvent in paint-strippers<br>and removers  |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product.   | Reach Annex XVII  |
| <b>Dimethylfumarate</b>  | 624-49-7                                       | Prevent mold during<br>transport and storag   |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product.   | Reach Annex XVII  |
| <b>Diorganotin compounds, all</b>  | several  | Stabilizer for PVC;<br>Biocide  | Prohibited for use as biocide<br>all other uses are declarable   | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product.   | Reach Annex XVII<br>Reach Candidate list (individual<br>substances marked in extended list)   |
| <b>Fluorinated greenhouse gases, selected</b><br>- Hydrofluorocarbons (HFCs), all<br>- Perfluorocarbons (PFCs), all<br>- Sulphur hexafluoride  | several<br>several<br>2551-62-4                | Refrigerant applications  | Substances with a global<br>warming potential (GWP)<br>above 2500 are Prohibited.<br><br>Substances with a GWP<br>below 2500 are declarable  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product.   | Kyoto Protocol (GWP for individual<br>substances given in extended list)  |
| <b>Halogenated diphenyl-<br/>methanes, selected</b><br>- Monomethyldibromodiphenylmethane<br>(DBBT)<br>- Monomethyldichlorodiphenylmethane<br>(Ugilec 121)<br>- Monomethyltetrachlorodiphenylmethane<br>(Ugilec 141) | 99688-47-8<br><br>81161-70-8<br><br>76253-60-6 | Residues and<br>decomposition products in<br>production of polymers   |  | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product.   | Reach Annex XVII  |
| <b>Lead and lead compounds, all</b>  | several  | Electrical and electronic<br>equipment (e.g. free-<br>machining alloy, free-cutting<br>steels, optical materials, solder,<br>curing agents, ferroelectrics)<br><br>Cables, Stabilizer in plastic<br><br>Metal alloy, Plating,<br>Batteries, Pigment in paint<br>and plastic | The prohibition does not<br>include the use in bearing<br>shells and bushes, high<br>melting temperature solders,<br>solders for servers and<br>network equipment or<br>electronic ceramic parts.<br><br><i>Note any content of<br/>hexavalent chromium<br/>compounds included in<br/>Declarable list must be<br/>declared even if the use is<br/>exempted Prohibited list</i> | In EEE maximum concentration of 0,1 % by<br>weight is in homogeneous materials.<br><br>For non-EEE products the maximum<br>concentration of 0,1 % refers to any article<br>included in a product.<br><br>Steel alloy may contain up to 0.35% lead.<br><br>Aluminum alloy may contain up to 0.4 % lead.<br><br>Copper alloy may contain up to 4% lead. | RoHS<br><br>Reach Annex XVII (individual<br>substances marked in extended list)<br><br>Reach Candidate list (individual<br>substances marked in extended list)<br><br>Reach Authorization list (individual<br>substances marked in extended list) |



| Name<br>(substance, family or group)  | CAS<br>No. <sup>2</sup> | Example of<br>know uses  | Exempted uses  | Concentration limit   | Reason for inclusion<br>(legal reference)  |
|---|-------------------------|--|--|---|--|
| <b>Mercury and mercury compounds, all</b>   | several                 | Electrical and electronic equipment (e.g. contact point material, switches, anti-corrosion)<br><br>instrumentation<br><br>lightening equipment<br><br>batteries/accumulators (e.g. silver-oxide button cells, alkaline batteries, zinc carbon batteries) | Use in some lamps for special purposes are exempted (2011/65/EU) | In EEE maximum concentration of 0,1 % by weight is in homogeneous materials.<br><br>Batteries may contain no more than 0,0005% mercury by weight<br><br>For non-EEE products the maximum concentration of 0,1 % refers to any article included in a product | RoHS<br><br>Battery directive  |
| <b>2-Naphtylamine and its salts</b>   | several                 | Impurity in dye;<br><br>Antioxidant in lubricants, rubber/latex and plastics   |  | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.   | Reach Annex XVII   |
| <b>4-Nitrobiphenyl and its salts</b>  | 92-93-3                 | Impurity in dye;<br><br>Antioxidant in lubricants, rubber/latex and plastics   |  | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.   | Reach Annex XVII   |
| <b>Nonylphenol and nonylphenoethoxylates, all</b>   | several                 | Residues on metals, leather and textiles from their processing.<br><br>Surfactants in cleaning agents, metal-working fluids, lubricants etc.,<br>Hardener in paint and plastics  |  | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.   | Reach Annex XVII<br><br>Reach Candidate list (individual substances marked in extended list) |
| <b>Ozone depleting substances, all</b><br>- Chlorofluorocarbons (CFCs), all<br>- Halons, all<br>- Hydrobromofluoro-carbons (HBFCs), all<br>- Hydrochlorofluoro-carbons (HCFCs), all<br>- Methylbromide<br>- Trichloroethane (all isomers) | several                 | refrigerant, foaming agent, extinguishant, solvent, cleaner<br><br><br><br><br><br><br>Paint, aerosol propellant, adhesives  |  | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.   | Montreal Protocol  |

| Name<br>(substance, family or group)   | CAS<br>No. <sup>2</sup>   | Example of<br>know uses  | Exempted uses | Concentration limit   | Reason for inclusion<br>(legal reference)  |
|--|---|--|---------------|---|--|
| <b>PAHs (Polycyclic aromatic hydrocarbons), selected</b><br>- benzo[a]pyrene (BaP)<br>- benzo[e]pyrene (BeP)<br>- benz[e]acephenanthrylene (BaA)<br>- Chrysen (CHR)<br>- beno[b]fluoranthene (BbFA)<br>- benzo[j]fluoranthene (BjFA)<br>- beno[k]fluoranthene (BkFA)<br>- dibenzo[a,h]anthracene (DBAhA) | 50-32-8<br>192-97-2<br>56-55-3<br>218-01-9<br>205-99-2<br>205-82-3<br>207-08-9<br>53-70-3 | extender oils in tyres, base oils, rubber                                    |               | Extender oils used may not contain more than 1 ppm Benzo(a) pyren (BaP) nor may the sum of the 8 listed PAHs exceed 10 ppm. | Reach Annex XVII<br>Reach Candidate list (individual substances marked in extended list) |
| <b>Pentachloroethane</b>   | 76-01-7   | Solvent for oil and grease, metal cleaning                                   |               | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.                                   | Reach Annex XVII   |
| <b>Pentachlorophenol (PCP) and its salt and esters, all</b>  | 87-86-5   | Wood preservative, salts used in leather treatment, stabilizer for latex     |               | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.                                   | Reach Annex XVII   |
| <b>Perfluorooctane sulfonates, PFOS, all</b>   | several   | surface coating, surfactants, ingredient in the textile protective treatment |               | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.                                   | Stockholm Convention (POP)   |

| Name<br>(substance, family or group)  | CAS<br>No. <sup>2</sup>   | Example of<br>know uses  | Exempted uses | Concentration limit  | Reason for inclusion<br>(legal reference)                |
|---|---|--|---------------|--|--|
| <b>Pesticides (Biocides and Plant protection products (PPP)), selected</b><br>- Aldrin<br>- Chlordane<br>- Chlordecone<br>- Dieldrin<br>- Endosulfan<br>- $\alpha$ - Endosulfan<br>- $\beta$ - Endosulfan<br>- Endrin<br>- Heptachlor<br>- Hexachlorobenzene<br>- $\alpha$ - HCH<br>- $\beta$ - HCH<br>- Lindane<br>- Mirex<br>- Pentachlorobenzene<br>- Toxaphen | 309-00-2<br>57-74-9<br>143-50-0<br>60-57-1<br>115-29-7<br>959-98-9<br>33213-65-9<br>72-20-8<br>76-44-8<br>118-74-1<br>319-84-6<br>319-85-7<br>58-89-9<br>2385-85-5<br>608-93-5<br>8001-35-2 | Pesticide  |               | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.  | Stockholm Convention (POP)                               |
| <b>Phthalates, selected</b><br>- Bis(2-ethylhexyl)phthalate (DEHP)<br>- Diisobutyl phthalate (DIBP)<br>- Benzyl buthyl phtalate (BBP)<br>- Dibutyl phthalate (DBP)  | 117-81-7<br>84-69-5<br>85-68-7<br>84-74-2   | Plastiziser in rubber and plastics                                     |               | In EEE maximum concentration of 0.1% by weight is in homogenous materials.<br>For non-EEE products the maximum concentration of 0.1 % refers to any article included in a product. | RoHS<br>Reach Candidate list<br>Reach Authorization list |
| <b>Polychlorinated biphenyls (PCBs), all</b>  | several   | insulation fluid in electrical systems, switch boards, transformer oil |               | Maximum concentration of 0,1 % refers to any article or ingredient included in a product.  | Stockholm Convention (POP)                               |



| Name<br>(substance, family or group)  | CAS<br>No. <sup>2</sup> | Example of<br>know uses  | Exempted uses | Concentration limit   | Reason for inclusion<br>(legal reference)   |
|---|-------------------------|--|---------------|---|---|
| <b>Polychlorinated terphenyls (PCTs), all</b>   | 61788-33-8              | insulation fluid in<br>electrical systems, switch<br>board transformers and<br>condensers<br><br>wood and paper<br>impregnation<br><br>softening agent |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product  | Reach Annex XVII  |
| <b>Short chain chloro paraffins (SCCP)</b>  | 85535-84-8              | Plasticizer and flame<br>retardant for PVC and<br>rubber   |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Candidate list  |
| <b>Tetrachloethane,</b><br>- 1,1,1,2-Tetrachloroethane<br>- 1,1,2,2-Tetrachloroethane | 630-20-6<br>79-34-5     | Solvent, cleaning and<br>degreasing of metals, paint<br>removers, varnishes and<br>lacquers  |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product  | Reach Annex XVII  |
| <b>Trichlorobenzene</b>   | 120-82-1                | Solvent, Dielectric fluid,<br>Degreaser, Lubricant.  |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product  | Reach Annex XVII  |
| <b>Trichloroethane, all</b><br>- 1,1,1-Trichloroethane<br>- 1,1,2-Trichloroethane     | 71-55-6<br>79-00-5      | solvent for chlorinated<br>rubbers, fats, oils, waxes,<br>and resins   |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product  | Reach Annex XVII<br>Montreal Protocol   |
| <b>Trichloromethane (chloroform)</b>  | 67-66-3                 | solvent  |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product  | Reach Annex XVII  |
| <b>Triorganotin compounds, all</b>  | several                 | Antifungal agents in<br>industrial cooling systems,<br>antifungal paints and<br>agricultural   |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII<br>Reach Candidate list (individual<br>substances marked in extended list) |
| <b>Vinyl chloride (monomer)</b>   | 75-01-4                 | Plastic materials (residues<br>from production)  |               | Maximum concentration of 0,1 % refers<br>to any article or ingredient included in a<br>product. | Reach Annex XVII  |

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

| Name<br>(substance, family or group)                           | CAS No. <sup>4</sup> | Example of know uses  | When prohibited   | Reason for inclusion | Legal scoop   |
|--|----------------------|---|---|----------------------|---|
| <b>Perfluorinated alkylcarboxylic acid (PFOA) and its salt</b> | 335-67-1<br>several  | Coatings (e.g. Teflon),<br>surfactants, fire-fighting<br>foams, textiles and papers | Will be included in Atlas<br>Copco prohibited list in 2019. | Reach Annex XVII     | Prohibited to be present in any item<br>in concentrations above 25 ppm of<br>PFOA or PFOAS-salts, or 1000 ppb<br>of any combination of PFOA-related<br>substances from July 4 2020* |

\* 4th July 2022 Equipment used to manufacture semiconductors and latex printing ink

4th July 2023 Protective clothing, membranes intended for filtration in water treatment, production processes and effluent treatment;  
plasma nano-coatings

<sup>4</sup>CAS is the abbreviation for Chemical Abstract Service registry number. This is an international numeric identifier which designates only one chemical substance

## Annex C Clarification of legal references and scope

**Scope:** All substances included in Atlas Copco Prohibited list are prohibited to be used in any article delivered to Atlas Copco if not exclusively exempted. Regardless if the scope of the legal reference is limited to a product type or a region Atlas Copco has decided that all listed substances are prohibited in all products delivered to and sold by the Group unless else is clearly exempted in the list.

**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 substances are known to be found in is given in this list. This list is short and meant to highlight needs for urgent substitution.

**RoHS<sup>5</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>6</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 equipment are covered by this legislation when sold as individual parts.

To ensure compliance with this regulation Atlas Copco ban 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 homogenous material. For non-EEE the prohibition is valid for any individual article assembled in a product delivered to Atlas Copco.

**REACH<sup>7</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 applies to Atlas Copco. By REACH compliance Atlas Copco 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 or without permit if required by Annex XIV.

**REACH Candidate list** is a list of substances identified to have long term negative effects on health and the 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 Atlas Copco. The information must be provided for all individual articles assembled in any product delivered to Atlas Copco.

If any individual article contains substances included in the Candidate list Atlas Copco 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 list are included in the Declarable list unless they are also regulated by a more strict legislation. If regulated by a more strict regulation the substance is included in the Prohibited list.

**REACH Authorisation list (REACH Annex XIV):** Some of the substances in the Candidate list are also included in REACH Authorisation list, meaning they cannot be used without a permit within EU. Atlas Copco do not differentiate between substances in the Authorisation 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 for which the manufacturing, placing on the market or use (on its own, in mixtures or in an article) 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's products, all relevant substances/entries in Reach Annex XVII are included in the Atlas Copco Prohibited list or Declarable list.

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<sup>5</sup>RoHS –Restriction of Hazardous Substances in electric and electronic equipment (2011/65/EU).

<sup>6</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.

<sup>7</sup>REACH – Registration, Evaluation, Authorization and restriction of Chemicals (EC 1907/2006)

**Battery directive<sup>8</sup>** bans the use of cadmium (Cd) and mercury (Hg) in batteries to lower the negative impact on environment for waste batteries. Batteries must not contain more than 20 ppm Cd or 0.5 ppm Hg.

**Kyoto Protocol (Greenhouse gases):** is an international agreement to fight global warming by reducing greenhouse gas concentrations in the atmosphere. Atlas Copco follows EU:s interpretation and prohibit 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.

**Montreal Protocol on Substances that Deplete the Ozone Layer:** is designed to protect the ozone layer by phasing out the production of groups of halogenated hydrocarbons that are responsible for ozone depletion. Atlas Copco prohibits the use of any of the controlled substances in the Protocol. All substances included in the Montreal protocol are included in Atlas Copco Prohibited list.

**Stockholm Convention on Persistent Organic Pollutants (POPs):** is designed to eliminate or restrict the production and use of substances that persist in the environment, bio-accumulate through the food web, and pose a risk of causing adverse effects to human health and the environment. All substances included in the Stockholm Convention is included in Atlas Copco Prohibited list.

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<sup>8</sup>Battery directive – Batteries, accumulators and waste batteries and accumulators (2006/66/EC)

## *Sustainable Productivity*

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity

[www.atlascopcogroup.com/sustainability](http://www.atlascopcogroup.com/sustainability)

*Atlas Copco*