



Material Compliance Declaration

Regarding the registration and C&L notification of substances and information about Substances of Very High Concern (SVHC) as well as remarks to the RoHS directive.

1. The Linde plc European legal entities (hereinafter referred to as Linde) engage to supply substances, mixtures and articles conforming to REACH Regulation (EC) No. 1907/2006 as amended within the EU (including Northern Ireland) and conforming to UK REACH (Regulation (EC) No. 1907/2006 as amended by EU Exit Regulations), within Great Britain, to its customers and to inform the company about the share of substances of very high concern (SVHC) according to the Candidate List in the latest version requiring identification. This declaration forms an integral part of the delivery contract or business relationship between Linde and its customers.
2. Linde's classification and labelling comply respectively with the Classification, Labelling and Packaging (CLP) Regulation (EC) No 1272/2008 as amended within the EU and The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 within GB and all applicable regulations in the EU and GB.

The production of safety data sheets (SDS) complies with REACH as amended (both EU and GB) according to Article 31 and Annex II (EC) no. 453/2010, as amended (EU), or Annex II (GB) and is done pursuant to Articles 32 – 36 of the REACH Regulation (EC) no. 1907/2006 as amended (EU) and REACH (Regulation (EC) No. 1907/2006 as amended by EU Exit Regulations) (GB).

3. Linde completed all registrations by 31st of May 2018 for all substances that needed to be registered according to REACH. BOC UK Limited (GB) has grandfathered their previous EU REACH registrations into UK REACH following the UK's departure from the EU and before the 30th April 2021 deadline.

| <u>Substance Name</u> | <u>EC-N°</u> | <u>Req.- N°</u> | <u>Substance Name</u> | <u>EC-N°</u> | <u>Req.- N°</u> |
|---------------------------|--------------|---|-----------------------|--------------|---|
| Acetylene | 200-816-9 | 01-2119457406-36 UK-01-3758468859-4-0001 01-2119475151-45 | Tetrafluoromethane | 200-896-5 | 01-2120751230-69 UK-01-1564650095-7-0001 |
| Calcium dihydroxide/Lime | 215-137-3 | UK-01-4950521785-8-0002 | Octafluorocyclobutane | 204-075-2 | 01-2120752168-51 |
| Carbon monoxide | 211-128-3 | 01-2119480165-39 | Boron trichloride | 233-658-4 | 01-2119962197-29 |
| Sodium hydrogen carbonate | 205-633-8 | 01-2119457606-32 | Trifluoromethane/R23 | 200-872-4 | 01-2119971823-29 |
| Dinitrogen oxide | 233-032-0 | 01-2119970538-25 UK-01-7329405658-2-0001 | Hydrogen fluoride | 231-634-8 | 01-2119458860-33 UK-01-9295407649-0-0001 |
| Deuterium | 231-952-7 | 01-2120744038-56 | Nitric oxide | 233-271-0 | 01-2120766630-54 |
| Fluoromethane | 209-796-6 | 01-2120746661-53 | Nitrogen trifluoride | 232-007-1 | 01-2119962459-23 |
| Hydrogen bromide | 233-133-0 | 01-2119479072-39 UK-01-2881551211-7-0002 | Tungsten hexafluoride | 232-029-1 | 01-2120059384-53 |
| Hexafluoroethane/R116 | 200-939-8 | 01-2119974606-26 UK-01-4577097467-8-0001 | Octafluoropropane | 200-941-9 | 01-2119948589-16 |
| Sulphur hexafluoride | 219-854-2 | 01-2119458769-17 UK-01-3091342478-1-0001 | Arsine | 232-066-3 | 01-2120048082-66 |
| Hydrogen chloride | 231-595-7 | 01-2119484862-27 | Dichlorosilane | 223-888-3 | 01-2120776028-49 |
| Chlorine | 231-959-5 | 01-2119486560-35 UK-01-0442545482-6-0001 | Ethylene | 200-815-3 | 01-2119462827-27 UK-01-0466225930-0-0007 |
| Trichlorosilane | 233-042-5 | 01-2119494046-35 UK-01-2973460725-1-0001 | Silicon tetrafluoride | 232-015-5 | 01-2120762243-59 |
| Silicon tetrachloride | 233-054-0 | 01-2119489367-22 UK-01-4307115051-0-0001 | Silane | 232-263-4 | 01-2119436667-29 UK-01-5799751624-0-0001 |
| Phosphine | 232-260-8 | 01-2120138413-64 | Ammonia, anhydrous | 231-635-3 | 01-2119488876-14 |
| Norflurane/R134a | 212-377-0 | 01-2119459374-33 UK-01-7328843752-5-0002 | Diffuoromethane, HF32 | 200-839-4 | 01-2119471312-47 |
| Methane | 200-812-7 | 01-2119474442-39 | | | |

4. Further, Linde assures that substances, mixtures and articles that are either imported from or manufactured outside the EU/GB, but not registered according to REACH Regulation (EC) No. 1907/2006 as amended within the EU (including Northern Ireland) and conforming to UK REACH (Regulation (EC) No. 1907/2006 as amended by EU Exit Regulations), within Great Britain, are covered by the exemptions of the said regulation. The exemptions are stated under Title 1, Article 2. The following substances are exempt from the requirement to register under the regulation.

- Nitrogen, Oxygen, Argon, Helium, Neon, Krypton, Xenon, Carbon dioxide, Hydrogen.
- Medical Gases, Food Gases and Natural Gas as well as Liquefied Petroleum Gas (if not chemically modified)

5. Linde will ensure that all substances, mixtures and articles placed on the market comply with the REACH Regulation (EC) No. 1907/2006 as amended within the EU (including Northern Ireland) and conforming to UK REACH (Regulation (EC) No. 1907/2006 as amended by EU Exit Regulations), within Great Britain.

6. If articles containing Substances of Very High Concern (SVHC) > 0,1 % (w/w) according to the Candidate List are supplied, Linde will provide customers with additional information in line with the requirements of the regulation.

6.1 Lead (CAS No. 7439-92-1) is on the ECHA candidate list for SVHC. All brass components in our products, for example, valve bodies, valve spindles, connection pieces and union nuts, contain lead as a bound alloy element (CAS No. 7439-92-1) in quantities of more than 0.1% (w/w). Exposure to lead in such components is not expected and for this reason, no additional risk management measures are necessary.

6.2 Acetylene (CAS N°: 74-86-2) is dissolved in a solvent (if not specifically declared as solvent free). The solvent is either DMF N, N-dimethylformamide (CAS N°: 68-12-2) or Acetone (CAS No: 67-64-1). The concentration of DMF in the article (cylinder) in this case is more than 0.1%. A small quantity of the solvent (as an impurity) may be carried over with the acetylene as it is used. Since the concentration of the solvent in the gas is below the limit which could affect the classification of the acetylene, no additional information on safe use is necessary. BOC UK (GB and Northern Ireland) and BOC Ireland do not use DMF as a solvent in acetylene cylinders.

7. Linde assures that substances and mixtures supplied to its customers don't fall under the RoHS directive 2011/65/EU; 2002/95/EG (RoHS I); 2011/65/EU (RoHS II) and 2015/863/EU (RoHS III). All technical and specialty gases and gas mixtures cannot – by nature – contain the hazardous substances listed in RoHS and are therefore exempt from that directive.

8. Articles as packaging (cylinders, bundles, drums, etc. including the valve) equipped with electrical or electronical units like displays, transmitters, sensors, valves, etc. are conform to RoHS directives 2011/65/EU; 2002/95/EG (RoHS I); 2011/65/EU (RoHS II) and 2015/863/EU (RoHS III).

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