



Linde Gas AB
Rättarvägen 3
169 68 Solna
Sverige

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EU chemicals regulation "Registration, Evaluation, Authorisation and Restriction of Chemicals" (REACH) on the subject: lead in valves

Dear customer,

The EU Chemicals Regulation (EC) No. 1907/2006 (REACH Regulation) regulates the conditions under which chemicals can be marketed and used in Europe. REACH stands for Registration, Evaluation, Authorization and Restriction of Chemicals. Substances of very high concern (SVHC) are identified under REACH and included in the so-called candidate list of the European Chemicals Agency (ECHA).

According to article 33 (1) of this regulation on SVHC Linde GmbH, Gases Division has a legal duty to inform about the composition of hazardous substances and mixtures in our product portfolio.

Substances and mixtures

The products, substances or mixtures we supply to your company do not contain any substances of concern in a concentration > 0.1% (w/w weight percent). This applies insofar they were not explicitly ordered by you as a concentration component of a special gas mixture. For details, please refer to our safety data sheets, we provide to your company and which you find also on our website, www.linde-gas.de.

Articles

In June 2018, Lead (CAS No. 7439-92-1) was added to the ECHA candidate list for SVHC. All brass components on our products or their individual smallest components (for valves are there these e.g. valve bodies, valve spindles, connection pieces, union nuts) contain the substance lead (EC number: 231-100-4, CAS number: 7439-92-1) more than 0,1%.



In Annex A you will find the SVHC list of our articles with a concentration above 0,1% according to Article 33 of REACH.

Associations such as the Verband Deutscher Maschinen- und Anlagenbau (VDMA) have published information on SVHC Lead. This substance can be found as a bound alloy component in components for complex products such as industrial fittings made of brass, gunmetal or copper. According to the VDMA, exposure to lead in such components is not expected. For this reason, no additional risk management requirements are necessary.

You can find more information on this topic on the following website or use the QR code.

<https://echa.europa.eu/candidate-list-table>



If you have any questions, please do not hesitate to contact kundservice.se@linde.com

Yours sincerely,

Linde Gas AB



ANNEX A

We hereby inform you that in the following products* supplied by us the following substances of very high concern (SVHC) on the candidate list (as of June 25, 2020) in concentrations above 0,1 % according to Article 33 of the REACH regulation (Regulation (EC) No. 1907/2006) are included, whereby the reference value is the smallest product of a composite product.

For detail information about safe use and waste disposal please refer to the ECHA SCIP** database.

Manufacturer	SVHC CAS N°	Limit %[w/w]	Type
Cavagna-Omecca	LEAD 7439-92-1	> 0.1	Valve
Cavagna-Pergola	LEAD 7439-92-1	> 0.1	Valve
GCE s.r.o	LEAD 7439-92-1	> 0.1	Valve
Neriki	LEAD 7439-92-1	> 0.1	Valve
Müller Gas Equipment	LEAD 7439-92-1	> 0.1	Valve
Rotarex	LEAD 7439-92-1	> 0.1	Valve

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*In case of valves the following components are covered: Valve body, Seat Assembly, Spindle, Gland Nut, Safety Plug
** SCIP is the database from the European Chemical Agency (ECHA) for information on Substances of Concern In articles as such or in complex objects (Products) established under the Waste Framework Directive (WFD) and the Chemical Act (ChemG).