

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

Date of issue: July 20, 2011

Date of revision: Feb 05, 2016

1. Identification of the substance/ mixture and of the company/ undertaking

Product identifier

Trade name: LEYBONOL LVO 870

Product description: Lubrication grease

Relevant identified uses of the substance or mixture and uses advised against

Use: Industrial use, lubricant

Uses advised against: This product should not be used in breathing air compressors.

Order number:	Number	Package Size
	L87005	Tube 50g
	L87099	Package, 2kg

Details of the supplier of the safety data sheet

Supplier Oerlikon Leybold Vacuum GmbH
Bonner Str. 498
D-50968 Cologne
Phone +49-221-347-0
Fax +49-221-347-1250
Internet www.oerlikon.com/leyboldvacuum

E-Mail: documentation.vacuum@oerlikon.com

Emergency telephone number: +49/ (0)700 24112112 (OLC)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

3. Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

Date of issue: July 20, 2011

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4. First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician. |

After inhalation

Remove to fresh air, keep patient warm and at rest. |

After skin contact

When in contact with the skin, clean with soap and water. |

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). |

After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor. |

4.2 Most important symptoms and effects, both acute and delayed

No data available. |

4.3 Indication of any immediate medical attention and special treatment needed

No data available. |

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Carbon dioxide; Extinguishing powder

Unsuitable extinguishing media

Water |

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO) |

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. |

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid dust formation. Ensure adequate ventilation. Refer to protective measures listed in sections 7 and 8. |

For emergency responders

Personal protective equipment (PPE) - see Section 8. |

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. |

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

Date of issue: July 20, 2011

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6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container hermetically closed in a dry, cool and well-ventilated place. Always keep in containers of same material as the original one. Containers which are opened must be carefully closed and kept upright to prevent leakage.

Advice on storage assembly

Do not store together with: Oxidizing agents

7.3 Specific end use(s)

No data available.

8. Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work- station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

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manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

9.1 Information on basic physical and chemical properties

Form/Colour	
pasty	
brown	
Odour	
uncharacteristic	
Odour threshold	
No data available	
pH value	
no data available	
Boiling point / boiling range	
not determined	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Dropping point	
Value	50 °C
Flash point	
Not applicable	
Auto-ignition temperature	
No data available	
Oxidising properties	
No data available	
Explosive properties	
No data available	

SAFETY DATA SHEET

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Flammability (solid, gas)	No data available
Lower flammability or explosive limits	No data available
Upper flammability or explosive limits	No data available
Vapour pressure	Not applicable
Vapour density	No data available
Evaporation rate	No data available
Relative density	No data available
Density	No data available
Solubility in water	Remarks essentially insoluble
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available

9.2 Other Information

Other information	No data available.
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10. Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

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10.3 Possibility of hazardous reactions

None, if handled according to order.

10.4 Conditions to avoid

Protect from sun. Stable under recommended storage and handling conditions (See section 7).

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known

11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalational toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Reproduction toxicity	No data available
Carcinogenicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

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Aspiration hazard
No data available

12. Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

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Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14. Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC)
1907/2006.
REACH candidate list of substances of very high concern (SVHC) for authorisation
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.
Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 870

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16. Other information

Sources of key data used to compile the data sheet:

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case. EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

History

Date of issue: July 20, 2011

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Version: A2

| Indicates information that has changed from previously issued version.

This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.