

SAFETY DATA SHEET

Trade name:

LEYBONOL LVO 260

Date of issue: June 14, 2010

Date of revision: Dec 12, 2011

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

Product identifier

Trade name: LEYBONOL LVO 260

Product description: Synthetic oil (special ester oil)

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

Uses: Lubricant for bearings, Lubricating oil

| | | |
|----------------------|---------------|---------------------|
| Order number: | Number | Package Size |
| | L26000 | 0,3 Liter |

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 phone number: +49/ (0)700 24112112 (OLC)

2. Hazards identification

Hazard description: Not applicable.

Information concerning particular hazards for human and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system: The classification is according to the latest editions of the EU-lists, and extended by manufacturer and literature data.

3. Composition/ information on ingredients

Chemical characterization

Description: ester oil

Dangerous components: Void

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Wash off with soap and plenty of water.

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After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

5. Firefighting measures

Suitable extinguishing agents: Water haze
Foam
Fire-extinguishing powder
Carbon dioxide

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases: In case of fire, the following can be released:
Carbon monoxide (CO)
Hydrocarbons

Protective equipment: Do not inhale explosion gases or combustion gases.
Standard procedure for chemical fires.

Additional information: Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release measures

Person-related safety precautions: Particular danger of slipping on leaked/spilled product.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7. Handling and storage

Handling

Information for safe handling: Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: Store in cool, dry conditions in well sealed receptacles.

Information about storage in one common storage facility: Store away from foodstuffs.
Store away from oxidizing agents.

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Further information about storage conditions:

None.

8. Exposure controls/ personal protection

Additional information about design of technical facilities:

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

Personal protective equipment

General protective and hygienic measures:

Do not inhale gases / fumes / aerosols.
Immediately remove all soiled and contaminated clothing
Avoid close or long term contact with the skin.
Be sure to clean skin thoroughly after work and before breaks.

Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

Eye protection:

Goggles recommended during refilling

9. Physical and chemical properties

General Information

Form: Fluid
Colour: Yellow
Odour: Product specific

Change in condition

Pour point: -60°C (DIN ISO 3016)
Flash point: > 225°C (DIN ISO 2592)
Danger of explosion: Product does not present an explosion hazard.
Density at 20°C: 0.98 g/cm³ (DIN 51757)
Solubility in / Miscibility with water: Insoluble.

Viscosity:

Kinematic at 40°C: 24 mm²/s (DIN 51562)

10. Stability and reactivity

Thermal decomposition/ conditions to be avoided:

No decomposition if used and stored according to specifications.

Materials to be avoided:

oxidizing agents

Dangerous reactions:

No dangerous reactions known.

Dangerous decomposition products:

none under normal use

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11. Toxicological information

Additional toxicological information: Prolonged skin contact may cause skin irritation and/or dermatitis.

12. Ecological information

Ecotoxicological effects

Behaviour in sewage processing plants: The product can be mechanically separated.

General notes: Do not allow product to reach ground water, water course or sewage system.

13. Disposal considerations

Product

Recommendation: Can be incinerated in accordance with local and national regulations.

Waste disposal key: For this product no waste disposal key according the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The waste code number has to be determined in accordance with the local waste disposer.

Uncleaned packaging

Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14. Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

Transport/Additional information: Not classified as dangerous according to the above specifications.

15. Regulatory information

Labelling according to EU guidelines: The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

National regulations

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC)

according to REACH, Article 57: None of the ingredients is listed.

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16. Other information

Safety data sheet according to 1907/2006/EC, Article 31

| Indicates information that has changed from previously issued version.

History

Date of issue: June 14, 2010

Date of revision: December 12, 2011

Version: A2

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
