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

### 1.1 Product identifier

Trade name: LEYBONOL LVO 260

Product description: Synthetic oil (special ester oil)

### 1.2 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

### 1.3 Details of the supplier of the safety data sheet

Supplier: Leybold GmbH  
Bonner Strasse 498  
D-50968 Cologne  
Phone +49-221-347-0  
Fax +49-221-347-1250  
Internet www.leybold.com

E-Mail: documentation@leybold.com

### 1.4 Emergency phone number

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

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## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC)  
No 1272/2008): Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC): Not a hazardous substance or mixture.

### 2.2 Label elements

Labelling (REGULATION (EC)  
No 1272/2008): Not a hazardous substance or mixture.

### 2.3 Other hazards

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## 3. Composition/ information on ingredients

### 3.2 Mixtures

Chemical nature: ester oil

Remarks: No hazardous ingredients

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## 4. First aid measures

<b>If inhaled:</b>	Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.
<b>In case of skin contact:</b>	Remove contaminated clothing. If irritation develops, get medical attention. In case of contact, immediately flush skin with plenty of water.
<b>In case of eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If eye irritation persists, consult a specialist.
<b>If swallowed:</b>	Move the victim to fresh air. Do NOT induce vomiting. Rinse mouth with water.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	No information available.
<b>Risks:</b>	None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Treatment:</b>	No information available.
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## 5. Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media:</b>	High volume water jet.

### 5.3 Advice for firefighters

<b>Special protective equipment for firefighters:</b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.
<b>Further information:</b>	Standard procedure for chemical fires.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>Personal precautions:</b>	Evacuate personnel to safe areas. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
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## 6.2 Environmental precautions

**Environmental precautions:** Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

## 6.3 Methods and materials for containment and cleaning up

**Methods for cleaning up:** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**6.4 Reference to other sections:** For personal protection see section 8.

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## 7. Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling:** For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers:** Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers. |

**7.3 Specific end use(s):** Consult the technical guidelines for the use of this substance/mixture.

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## 8. Exposure controls/ personal protection

**8.1 Control parameters:** Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

**Engineering measures:** Maintain air concentrations below occupational exposure standards. |

### Personal protective equipment

**Respiratory protection:** Not required; except in case of aerosol formation. Filter type A-P |

**Hand protection:** For prolonged or repeated contact use protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. In case of contact through splashing:

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Nitrile rubber  
Protective index Class 1

**Eye protection:**

Safety glasses with side-shields conforming to EN166.

**Hygiene measures:**

Wash face, hands and any exposed skin thoroughly after handling.

**Protective measures:**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

**Environmental exposure controls****General advice:**Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
Local authorities should be advised if significant spillages cannot be contained.

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**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	liquid
Colour:	yellow
Odour:	characteristic
Odour Threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/boiling range:	No data available
Flash point:	> 225 °C, Test Method: open cup, ISO 2592
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	< 0.001 hPa, 20 °C
Relative vapour density:	No data available
Density:	0.99 g/cm <sup>3</sup> , 20 °C
Water solubility:	insoluble
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	No data available
Viscosity, kinematic:	24 mm <sup>2</sup> /s, 40 °C
Explosive properties:	Not explosive
Oxidizing properties:	No data available

**9.2 Other information**

Sublimation point:	No data available
Bulk density:	No data available

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**10. Stability and reactivity****10.1 Reactivity:** None reasonably foreseeable.**10.2 Chemical stability:** Stable under normal conditions.

## 10.3 Possibility of hazardous reactions

**Hazardous reactions:** No dangerous reaction known under conditions of normal use.

## 10.4 Conditions to avoid

**Conditions to avoid:** No conditions to be specially mentioned.

## 10.5 Incompatible materials

**Materials to avoid:** No materials to be especially mentioned.

## 10.6 Hazardous decomposition products

**Hazardous decomposition products:** No decomposition if stored and applied as directed.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Product

**Acute oral toxicity:** This information is not available.

**Acute inhalation toxicity:** This information is not available.

**Skin corrosion/irritation:** This information is not available.

**Serious eye damage/eye irritation:** This information is not available.

**Respiratory or skin sensitisation:** This information is not available.

#### Germ cell mutagenicity

**Genotoxicity in vitro:** No data available

**Genotoxicity in vivo:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Repeated dose toxicity:** This information is not available.

**Aspiration toxicity:** This information is not available.

**Further information:** Information given is based on data on the components and the toxicology of similar products.

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## 12. Ecological information

### 12.1 Toxicity

#### Product

**Toxicity to fish:** No data available

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**Toxicity to daphnia and other aquatic invertebrates:**

No data available

**Toxicity to algae:**

No data available

**Toxicity to bacteria:**

No data available

**12.2 Persistence and degradability****Product****Biodegradability:**

No data available

**Physico-chemical removability:**

No data available

**12.3 Bioaccumulative potential****Product****Bioaccumulation:**

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

**12.4 Mobility in soil****Product****Mobility:**

No data available

**Distribution among environmental compartments:**

No data available

**12.5 Results of PBT and vPvB assessment****Product****Assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects****Product****Additional ecological information:**

No information on ecology is available.

**13. Disposal considerations****13.1 Waste treatment methods****Product:**

The product should not be allowed to enter drains, water courses or the soil.  
Waste codes should be assigned by the user based on the application for which the product was used.

**Contaminated packaging:**

Empty containers can be landfilled, when in accordance with the local regulations.

## 14. Transport information

### 14.1 UN number

ADR: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

### 14.2 Proper shipping name

ADR: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

### 14.3 Transport hazard class

ADR: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

### 14.4 Packing group

ADR: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

### 14.5 Environmental hazards

ADR: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

**14.6 Special precautions for user:** No special precautions required. |

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks: Not applicable for product as supplied. |

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## 15. Regulatory information

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

#### REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

**Major Accident Hazard Legislation:** 96/82/EC Update:  
not applicable

**15.2 Chemical Safety Assessment:** This information is not available.

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## 16. Other information

### History

**Date of issue:** June 14, 2010

**Date of revision:** October 13, 2016

**Version:** C1

| Indicates information that has changed from previously issued version.

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## Notice to reader

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The information contained therein is protected by copyright and must not be reproduced or amended without the express written approval of Leybold. This document may be passed on only to the extent required by law. Any dissemination of our safety datasheets (e.g. as a document for download from the Internet) beyond this legally required extent is not permitted without express written consent.

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