

LEYBONOL LVO 510

Date of issue: Feb 02, 2011 Date of revision: May 19, 2015

1. Identification of the substance/ mix	ture and of the	company/ undertaking		
Product identifier				
Trade name:	LEYBONOL	LEYBONOL LVO 510		
Product description:	Mineral oil, free of additives			
Relevant identified uses of the substa	nce or mixture	and uses advised against		
Uses:	Diffusion pur	Diffusion pump oil		
Order number:	Number L51001 L51005	Package Size 1 Liter 5 Liter		
Details of the supplier of the safety da	ıta sheet			
Supplier:	Leybold Gmb Bonner Stras D-50968 Col Phone Fax Internet	sse 498		
-Mail: documentation@leybold.com				
Emergency phone number:	Emergency phone number: +49/ (0)700 24112112 (OLC)			
Hazards identification 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)				
2.2 Label elements				
Labelling (REGULATION (EC) No 1272 Not a hazardous substance or mixture.	2/2008)		1	
2.3 Other hazards				
3. Composition/ information on ingred	lients			
3.1 Substances				
Chemical nature:	Min	eral oil.	1	

Remarks:

No hazardous ingredients



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4. First aid measures

4.1 Description of first aid measures

If inhaled: Remove person to fresh air. If signs/symptoms continue, get medical

attention.

Keep patient warm and at rest.

If unconscious place in recovery position and seek medical advice.

Keep respiratory tract clear.

If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact: Take off all contaminated clothing immediately.

Wash off immediately with soap and plenty of water.

Get medical attention immediately if irritation develops and persists.

Wash clothing before reuse.

Thoroughly clean shoes before reuse.

In case of eye contact: If eye irritation persists, consult a specialist.

Rinse immediately with plenty of water, also under the eyelids, for at

least 10 minutes.

If swallowed: Move the victim to fresh air.

Rinse mouth with water.

Get medical attention if symptoms occur.

If unconscious place in recovery position and seek medical advice.

Keep respiratory tract clear. Do NOT induce vomiting.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Risks: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon

dioxide.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Fire may cause evolution of:

Carbon oxides

5.3 Advice for firefighters

Special protective equipment

for firefighters:

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.



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Exposure to decomposition products may be a hazard to health.

Further information: Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate personnel to safe areas.

Use personal protective equipment.

Ensure adequate ventilation.

Do not breathe vapours or spray mist.

Refer to protective measures listed in sections 7 and 8.

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.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Do not breathe vapours or spray mist.

Avoid contact with skin and eyes. 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.

Do not get in eyes or mouth or on skin.

Do not get on skin or clothing.

Do not ingest. Do not repack.

Do not re-use empty containers.

These safety instructions also apply to empty packaging which may

still contain product residues.

Keep container closed when not in use. Avoid inhalation of vapour or mist.

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.

To maintain product quality, do not store in heat or direct sunlight. Containers which are opened must be carefully resealed and kept

upright to prevent leakage.



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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.

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: In the case of vapour formation use a respirator with an approved

filter.

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.

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 work-

place.

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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: liquid.
Colour: colourless.
Odour: odourless
Odour threshold: No data available
pH: No data available
Melting point/range: No data available

Flash point: > 230 °C, Test Method: open cup, ISO 2592

No data available

Evaporation rate:

Flammability (solid, gas):

Lower explosion limit:

Upper explosion limit:

No data available

No data available

No data available

No data available

Boiling point/boiling range:



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Vapour pressure: Relative vapour density: Density: Water solubility: Solubility in other solvents: Partition coefficient: n-octanol/water: Auto-ignition temperature:	< 0.0000001 hPa, 25 °C No data available 0.86 g/cm3, 20 °C insoluble No data available No data available No data available No data available	
Ignition temperature: Viscosity, dynamic: Viscosity, kinematic: Oxidising properties:	No data available No data available No data available 62 mm2/s, 40 °C No data available	
9.2 Other information		
Sublimation point: Bulk density:	No data available No data available	
10. Stability and reactivity		
10.1 Reactivity:	No hazards to be specially mentioned.	
10.2 Chemical stability:	No decomposition if stored and applied as directed.	
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 produc	ts	
Hazardous decomposition products:	No decomposition if stored and applied as directed.	I
11. Toxicological information		
11.1 Information on toxicological effect	:s	
Product		
Acute oral toxicity:	This information is not available.	
Acute inhalation toxicity:	This information is not available.	
Acute dermal 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.	



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Germ cell mutagenicity		
Genotoxicity in vitro:	No data available	I
Genotoxicity in vivo:	No data available	I
Carcinogenicity:	No data available	I
Reproductive toxicity:	No data available	I
Teratogenicity:	No data available	I
Repeated dose toxicity:	This information is not available.	I
Aspiration toxicity:	This information is not available.	I
Further information:	Information given is based on data on the components and the toxicology of similar products.	1
12. Ecological information		
12.1 Toxicity		
Product		
Toxicity to fish:	No data available	
Toxicity to daphnia and other aquatic invertebrates:	No data available	
Toxicity to algae:	No data available	
Toxicity to bacteria:	No data available	١
12.2 Persistence and degradability		
Product		
Biodegradability:	No data available	١
Physico-chemical removability:	No data available	١
12.3 Bioaccumulative potential Product		
Bioaccumulation:	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).	
12.4 Mobility in soil		
Product		
Mobility:	No data available	I
Distribution among environmental compartments:	No data available	



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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 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 data available

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

Not available



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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.

16. Other information

History

Date of issue: February 02, 2011

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Version: C0

Indicates information that has changed from previously issued version.

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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