

EG safety data sheet

Trade name:

Spezialöl N62

First issued: 1995-01-31
Status: 2005-13-01

1. Identification of the substance/preparation and company

Trade name:
Spezialöl N62

Use:
Lubricating fluid for vacuum pumps

Packing:

1 litre	Cat. - No. 177 01	20 litre	Cat. - No. 177 03
5 litre	Cat. - No. 177 02	180 kg	Cat. - No. 177 05

Identification of the manufacturer/supplier

Address supplier

Oerlikon Leybold Vacuum GmbH
P.O. Box 510760
D-50943 Cologne
Phone +49-221-347-0
Fax +49-221-347-1250

Emergency Telephone number: +49-221-347-0

2. Composition/information on ingredients

Highly refined base oil (IP 346 DMSO extract < 3%).

This product does not contain any hazardous ingredients at or above regulated thresholds.

3. Hazards identification

This substance is not classified as dangerous according to Directive 67/548/EEC as amended and adapted.

Physical/chemical hazards:

Not classified as dangerous.

NOTE: This product should not be used in compressors producing breathable air.

Human health hazards

Not classified as dangerous.

Environmental hazards

Unlikely to be harmful to aquatic organisms.

Effects and symptoms

Eyes: No significant health hazards identified.

Skin: No significant health hazards identified.

Inhalation: No significant health hazards identified

Ingestion: No significant health hazards identified

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4. First aid measures

Eye Contact:

In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

Inhalation:

If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Notes to physician:

Treatment should in general be symptomatic and directed to relieving any effects.

5. Fire fighting measures

Extinguishing Media

Suitable:

In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.

Not Suitable:

Do not use water jet.

Hazardous decomposition products:

These products are carbon oxides (CO,CO₂).

Unusual fire/explosion Hazards:

Poorly maintained compressors may be a potential fire and explosion hazard. Regular maintenance is essential.

Protection of fire-fighters:

Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions:

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (See Section: "Exposure controls/personal protection"). Follow all fire fighting procedures (See Section: "Fire-fighting measures").

Environmental precautions and clean-up methods:

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.

Personal protection in case of a large spill:

Splash goggles. Full suit. Boots. Gloves.

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7. Handling and storage

Handling:

Wash thoroughly after handling.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Not Suitable:

Prolonged exposure to elevated temperature

8. Exposure controls/personal protection

Occupational exposure limits:

This product does not have any assigned OELs.

Control Measures:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures:

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

Respiratory system:

None required; however, use of adequate ventilation is good industrial practice.

Skin and body:

None required; however, use of protective clothing is good industrial practice.

Hands:

None required; however, use of gloves is good industrial practice.

Eyes:

Safety glasses with side shields.

9. Physical and chemical properties

Flash point	268 °C (Open cup) Cleveland
Pour Point	-12 °C
Colour	Amber
Physical state	Liquid
Odour	Oily
Density	879 kg/m ³ (0.879 g/cm ³) at 15°C
Solubility	Insoluble in water
LogKow	The product is more soluble in octanol; log(octanol/water) >3
Viscosity	Kinematic: 94 mm ² /s (94 cSt) at 40°C Kinematic: 10.6 mm ² /s (10.6 cSt) at 100°C

10. Stability and reactivity

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Incompatibility with various substances:

Reactive with oxidising agents.

Hazardous polymerisation:

Will not occur.

11. Toxicological information

Acute toxicity:

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

Chronic toxicity

Carcinogenic effects:

No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).

12. Ecological information

Persistence and Degradability:

Avoid seepage of this material into ground water, open water, the drainage or earth. This product is water soluble and only partially biodegradable.

Mobility:

Spillages may penetrate the soil causing ground water contamination.

Bioaccumulative potential:

This product is not expected to bioaccumulate through food chains in the environment.

Environmental hazards:

Unlikely to be harmful to aquatic organisms.

Other ecological information:

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13. Disposal Consideration/Waste information

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Disposal Consideration/Waste information:

Where possible, arrange for product to be recycled.

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.

Used/contaminated product

European waste catalogue (EWC):

13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

14. Transport information

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

15. Regulatory information

Label Requirements

Risk Phrases:

This product is not classified according to the EU regulations.

EU Regulations:

Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

Other regulations

Inventories:

AUSTRALIAN INVENTORY (AICS):	Listed on inventory.
CANADA INVENTORY (DSL):	Listed on inventory.
CHINA INVENTORY (IECS):	Listed on inventory.
EC INVENTORY (EINECS/ELINCS):	Listed on inventory.
JAPAN INVENTORY (ENCS):	Listed on inventory.
KOREA INVENTORY (ECL):	Listed on inventory.
PHILIPPINE INVENTORY (PICCS):	Listed on inventory.
US INVENTORY (TSCA):	Listed on inventory.

Hazard class for water (WGK)

1, classified according to VwVwS.

Incident directive

12.BImSchV (StörfallV): not listed

16. Other information

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Information provided by:

Phone: +49-221-347-1217

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Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The manufacturer / supplier shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

Oerlikon Leybold Vacuum GmbH is not the manufacturer. The above information is based on the information by our suppliers. We ourselves have not checked this information. The last update of the safety data sheets was done from the supplier on: 13 January 2005
