

MICROLUBE® GL 261.

Special lubricating greases for boundary friction conditions and tribo-corrosion.

Description

MICROLUBE GL 261 greases are special lubricating greases on a mineral hydrocarbon base. They also contain special lithium soap and the MICROLUBE additive package which ensures a wear-free surface finish. Running-in wear is reduced to a minimum. In addition, the MICROLUBE additive package provides protection in the boundary friction regime, thus preventing tribo-corrosion. MICROLUBE GL 261 greases have the capacity to absorb high pressures, and they have good anti-corrosion properties.

Pack sizes

0,04 kg can

MICROLUBE GL 261

- Greases for plain and rolling bearings
- Also for low speeds, vibrations and swivel movements
- Protection against tribocorrosion
- Good pressure absorption capacity
- Good antiwear properties
- Good corrosion protection
- Good pumpability
- Free from solid particles



Application

MICROLUBE GL 261 greases are particularly suitable for low to medium-speed rolling bearings, and for swivel movements and vibrations.

They can be used in friction points subject to micro-sliding movements, especially in serrated teeth elements, spline shafts, sliding components and plain bearings. They are also generally suitable for all machine elements potentially subject to tribocorrosion.

Application notes

MICROLUBE GL 261 greases can be applied by brush, spatula, grease gun, and through centralized lubrication systems.

Storage

The storage period is approx. 3 years if the product is stored in the original closed container in a dry place.

Product data

MICROLUBE	GL 261
Color	yellowish-brown
Service temperature range, °C, ≈	-30 – 140
Drop point, DIN ISO 2176, °C	> 220
Worked penetration, DIN ISO 2137, at 25 °C; 0.1 mm	310 – 340
Consistency grade, DIN 51 818, NLGI	1
Density, DIN 51 757, at 20 °C, g/cm ³	0.89
Flow pressure, DIN 51 805, mbar	at -30 °C < 1400
Water resistance, DIN 51 807, 3 h/90 °C, rating	1 – 90
Corrosion protection behaviour, DIN 51 802, Emcor test (1 week, dist. water), corrosion rating	1
Speed factor (dm · n), approx.	300,000

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Safety Data Sheet

1.1 Product name: MICROLUBE GL 261

Code-No.: 020 195

Klüber Lubrication München KG, Geisenhausenerstr. 7
D-81379 Munich; Tel. (089) 7876-0, Fax (089) 7876-333
Emergency no.: (089) 7876-0

2. Composition/information on ingredients

Chemical characterization: Mineral oil, special lithium soap
Additional information: No hazardous ingredients

3. Hazards identification

No particular hazards known.

4. First aid measures

Contact with skin: Wash off with soap and plenty of water.
Contact with eyes: Rinse with plenty of water.
Ingestion: Do not induce vomiting. Obtain medical attention.
Advice to doctor: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media: Water spray, foam, dry powder, CO₂
Unsuitable extinguishing media: High volume water jet
Special hazards: In case of fire can be released: CO, hydrocarbons
Special protecting equipment: Standard procedure for chemical fires.
Additional information: Cool closed containers with water.
Do not breathe fumes.

6. Accidental release measures

Personal precautions: Not required.
Environmental precautions: Do not flush into surface water or sanitary sewer system.
Methods for cleaning up/taking up: Use mechanical handling equipment. Dispose of absorbed material in acc. with the regulations.
Additional information: None

7. Handling and storage

Safe handling: No special handling advice required.
Protection against fire and explosion: No special precautions required.
Requirements on storage rooms and vessels: –
Incompatible materials: Oxidizing agents; do not store together with food.
Further information: Store at room temperature in the original container.

8. Exposure controls / personal protection

Additional advice on system design: Not applicable
Ingredients and specific control parameters: None Personal protective equipment
Respiratory/hand/eye/body protection: No special protective equipment required.
General protection and hygiene measures:
Avoid prolonged and/or repeated contact with skin. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.

9. Physical and chemical properties

Form	paste
Colour	tan
Odour	characteristic
Drop point	> 220
Flash point	> 200 °C
Flammability	not applicable
Ignition temperature	not applicable
Autoflammability	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure – first	not applicable
Density (20 °C)	≈ 0.89 g/cm ³
Water solubility	insoluble
pH value	not applicable
Kinematic viscosity	not applicable
Further information	None

10. Stability and reactivity

Conditions to avoid: None
Materials to avoid: Strong oxidizing agents
Hazardous decomposition products: None under normal use.
Additional information: None

11. Toxicological information

The toxicological data have been taken from products of similar composition.
Acute toxicity: LD₅₀ oral/rat = > 2g/kg (literature data)
Chronic toxicity: None
Human experience: Prolonged skin contact may cause skin irritation and/or dermatitis.

12. Ecological information

Information on elimination: The products are insoluble in water.
Behaviour in environmental compartments: Ecological injuries are not known or expected under normal use.
Ecotoxic effects: The products have not been tested.
Additional information: Should not be released into the environment.

13. Advice on disposal

Can be incinerated when in compliance with local, state and federal regulations.
Dispose of contaminated packaging and recommended cleaning:
Offer rinsed packaging material to local recycling facilities.

14. Transport information

GGVS / GGVE: not applicable ADN / ADNR: not applicable
IMDG / GGVsee: not applicable ICAO / IATA: not applicable
Further information: Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Labelling: The products do not require a hazard warning label in acc. with EC directives/German regulations on dangerous substances.

16. Other information

None