

## Lubricants

### LIQUI MOLY LM 47 Long-Life Grease + MoS<sub>2</sub>



Ordering details: e.g.: Product No. 680 550 11, LM 47, Cont. 100 g

Product No.	Content	Packaging	Weight in g
680 550 11	100 g	Tube	117
680 550 12	400 g	Cartridge	452

#### Specifications

- mineral oil based grease, with MoS<sub>2</sub>.
- DIN 51502 code KPF2K-30.
- NLGI consistency class 2.
- highest load-carrying capacity.
- outstanding lubricating action.
- excellent water resistance and oxidation stability.
- excellent rust inhibiting properties.
- colour grey.
- temperature range: -30°C to +120°C (short time +130°C).

High quality special grease. The MoS<sub>2</sub> content provides an outstanding lubricity. During operation, a permanently adhering, molybdenum disulphide film forms on the sliding points. This film retains its lubricating action for a long time even after the grease supply completely fails. Transportable in central lubrication systems.

#### Typical Applications

- Rolling bearings and plain bearings.
- Splined shafts.
- Agricultural equipment and automotive.
- High loaded joints.
- Conveyors.
- Threads and slides.
- Presses.

### LIQUI MOLY LM 48 Installation Paste / LM 48 Installation Spray Paste



Ordering details: e.g.: Product No. 680 550 13, LM 48, Cont. 50 g

Product No.	Content	Packaging	Weight in g
680 550 13	50 g	Tube	61
140 702 07	300 ml	Spray	331

#### Specifications

- high performance paste, based on mineral oil, with zinc sulfide, graphite, fluorides and tungsten disulfide.
- outstandingly adherent.
- very high mechanical stability.
- high wear resistance and good rust inhibiting properties.
- outstanding emergency-running properties.
- viscosity of the paste (tube) 68 mm<sup>2</sup>/s at +40°C.
- colour black.
- temperature range: -35°C to +200°C (as release paste +450°C).
- Danger (1, 2, 5) H222, H229, H304, H315, H336, H411.

High-performance tungsten disulfide paste for heavy-duty applications. For assembly, repair and maintenance. For basic lubrication, for preventing running-in damage and seizing marks when pressing in pins and bearing bushes and mounting bearing rings. For lifetime lubrication of joints and sliding machine components.

#### Typical Applications

- Mounting of bearing rings.
- Initial lubricate of plain bearings.
- Glide agent for pressing in pins and bushes.
- Life-time lubrication for joints.
- Sliding machine components, which cannot be re-lubricated after assembly.

### LIQUI MOLY 3418 Ceramic Paste



Ordering details: e.g.: Product No. 680 550 15, LIQUI MOLY Ceramic Paste

Product No.	Content	Packaging	Weight in g
680 550 15	50 g	Tube	65

#### Specifications

- prevents sliding.
- good water resistance.
- prevents seizing and cold welding.
- neutral towards common sealing materials.
- highest pressure absorption capacity.
- non-toxic.
- viscosity ca.100 mm<sup>2</sup>/s at +40°C.
- temperature range: -40°C to +1,400°C as a release paste.

LIQUI MOLY Ceramic Paste for the lubrication of highly loaded sliding surfaces of all types. Especially for low speeds and oscillating movements. For separating temperature-stressed components and as corrosion protection on screws, pins, bolts, flanges, spindles and fits.

#### Typical Applications

- For separating temperature-stressed components, e.g. on combustion engines, turbines and automotive brake systems.
- As corrosion protection on screws, pins, bolts, flanges, spindles and fits.

### LIQUI MOLY 3080 Copper Paste



Ordering details: e.g.: Product No. 680 550 17, LIQUI MOLY Copper Paste

Product No.	Content	Packaging	Weight in g
680 550 17	100 g	Tube	117

#### Specifications

- prevents vibration transmission.
- long-term corrosion protection.
- high adhesive strength.
- excellent temperature resistance.
- protects against welding and seizing.
- pronounced high-pressure character.
- salt, hot and splash water resistant.
- lubricating and separating properties.
- temperature range: -35°C to +1,100°C.
- Attention (2) H410.

LIQUI MOLY Copper Paste for use as a release agent and lubricant for machine elements subject to high thermal loads. Enables trouble-free disassembly after long periods of operation. Copper paste is used for screw connections and separating surfaces that are exposed to high temperatures, high pressures and corrosive influences.

#### Typical Application Industries

- chemical and petrochemical industry.
- power plants.
- ceramic industry.
- mechanical and vehicle engineering.

H222 Extremely flammable aerosol.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H335 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.



*Safety Data Sheets at [www.maedler.de](http://www.maedler.de) in the section Downloads*