

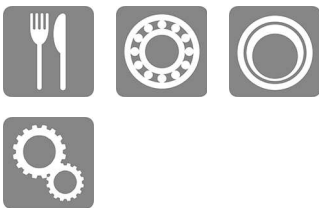
# MOL Food Grease 1

## food-grade lubricating grease



A MOL Food Grease 1 is a lubricating grease produced from synthetic base oil and an aluminium complex thickener. It is a category H1 product registered by NSF: "This product can be used as food-grade lubricant (H1) in the direct and indirect environment of food processing, where there is a possibility of incidental food contact." Particular attention should be paid to avoid contamination of the used food-grade lubricant by other kinds of lubricants. Its structure is resistant to chemicals, so it can be used in slightly alkaline and acidic environments. It is moderately soft, yellowish white lubricating grease. The temperature range of application is between -30 °C and +140 °C.

### Application



General food industry application

Medium-duty sliding and rolling bearings

Low- and medium-duty enclosed industrial gear drives where EP performance is not required

Individual and central supply lubrication systems

### Features and benefits

Neutral odour and taste

No change to flavours in case of contact with foodstuffs below the permitted range

Good mechanical and storage stability

Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point  
Long-term storage is possible without oil separation or lubricating grease hardening

Good tackiness, giving improved dynamic water resistance

Forms a continuous lubricating film which adheres strongly to the metal surface, even under loads in the presence of water  
Reduced losses due to leakage, so re-lubrication cycle time is increased

Good wear protection

Wear between contacting surfaces is reduced  
Reliable equipment protection and long machine lifetime

Excellent low-temperature pumpability

Continuous pumpability in central-supply lubrication systems; no hardening and no greasing dropout  
Easy start-up; low starting and operational torque

Exceptional thermal and oxidation stability

No hardening of lubricating grease at high temperatures and minimum oil separation  
Cycle time of re-lubrication can be increased significantly

Excellent corrosion protection

Effective protection of steel and non-ferrous metal parts even in the presence of water

Low resistance to chemicals

No softening and running off the lubrication point in slightly alkaline or acidic environment

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### Specifications and approvals

NLGI grade: NLGI 1  
NSF H1[142056]  
DIN 51502: KHC1N-30  
ISO 6743-9: L-XCDHA 1

### Properties

Properties	Typical values
Appearance	light yellow-grey, transparent
Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	400
Dropping point [°C]	230
Penetration after 60 strokes at 25 °C [0,1 mm]	320
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	60
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
EMCOR test, synthetic seawater [grade]	0
Dynamic water - resistance at 79 °C [mass %]	4
Static water resistance at 90 °C [grade]	1-90
Oil separation [mass %]	2
Penetration after 10000 strokes at 25 °C [0,1 mm]	340

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

The product does not contain any toxic materials. During storage and handling the product usual health safety regulations for mineral oil products should be observed. It should be stored at covered place, free of direct sunlight and moisture.

In the original container under the recommended storage conditions: 24 months

Recommended storage temperature: -5°C - +45°C

### Ordering information

Custom Tariff Number 34031980

#### SAP code and packaging:

13006935 MOL Food Grease 1 8KG  
13008801 MOL Food Grease 1 50KG

8 kg steel pail (for order only)  
60 l steel drum (for order only)

#### Order booking:

Please contact your local distributor or sales partner for ordering details.