SAFETY DATA SHEET
according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

MOL-LUB Ltd.

Trade name: MOL Process DK 650 process oil
Version: 5 Latest revision: 20.06.2018 Date of issue: 20.06.2007 Page: 1/(12)

SECTION 1 Identification of the mixture/substance and of the company/undertaking

1.1 Product identifier:
MOL Process DK 650 process oil

1.2 Relevant identified uses of the mixture or substance and uses advised against
Relevant identified uses: process oil
Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:
MOL-LUB Lubricant Production Distribution and Service Ltd.
H-2931 Almásfüzitő, Fő út 21., Hungary
Phone / Fax: +36 34 526 330 / +36 34 526 391
E-mail: kenoanyag@mol.hu

Request SDS of:
MOL-LUB Lubricant Production Distribution and Service Ltd.
Customer Service Center
H-2931 Almásfüzitő, Fő út 21., Hungary
Phone / Fax: +36 80 201 296 / +36 34 348 010

Responsible for SDS:
MOL-LUB Ltd. Csaba Horváth, head of SD, HSE & Business Support
Phone: +36 34 526 343; Mobile: +36 20 474 2644
e-mail: csahorvath@mol.hu

1.4 Emergency telephone number
Emergency telephone (07-15²⁰h): +36 34 526 210 (CET) on workdays
Health Toxicological Information Service (ETTSZ 1096 Budapest, Nagyvárad tér 2.)
Tel.: 36 80 201 199 (0-24 h, free number).
National Health Toxicological Information Service

SECTION 2 Hazards identification

2.1 Classification of the mixture or substance
Hazard Class and Category: Hazard statement:
Not classified. -
2.2 Label elements

Product identification: Trade name: **MOL Process DK 650 process oil**

Hazardous component(s): -

GHS Pictogram: not required
Signal word: not required

Hazard statement: **not required**

Supplemental hazard information: -

Precautionary statements – General: -

Precautionary statements – Prevention:
**P273** Avoid release to the environment.

Precautionary statements – Response: -

Precautionary statements – Storage: -

Precautionary statements – Disposal:
**P501** Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:
Tactile warning of danger: Not required.
Transport classification: see section 14.

2.3 Other hazards
The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.
SECTION 3 Composition/information on ingredients

3.2 Mixtures
Chemical description: Mixture of refined mineral oils.

Component(s) / Hazardous component(s):

<table>
<thead>
<tr>
<th>Name</th>
<th>EU number</th>
<th>CAS number</th>
<th>Hazard classes and cat.</th>
<th>Hazard statements</th>
<th>Conc. %(m/m)</th>
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*: with exposure limit

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SECTION 4 First aid measures

4.1 Description of first aid measures
General information: Never give anything by mouth to an unconscious person, or never induce vomiting.
Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain medical attention.
Skin contact: Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention.
Eye contact: Flush eyes with plenty of water for 10-15 minutes. In case of persistent irritation, get medical attention.
Ingestion: If swallowed, give water. Do not induce vomiting. Get medical attention.

Protection of first-aid person: No individual specifications.

4.2 Most important symptoms and effects, both acute and delayed
Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity.

4.3 Indication of any immediate medical attention and special treatment need
Not required.
SECTION 5  Fire-fighting measures

Fire hazards:
- Combustible.

5.1 Extinguishing media
Suitable extinguishing media:
- Foam, carbon dioxide, dry chemical powder.

Unsuitable extinguishing media:
- Water jet.

5.2 Special hazards arising from the mixture or substance
Hazardous combustion products:
- On burning, carbon monoxide, carbon dioxide, various hydrocarbons and soot can be formed.

5.3 Advice for fire-fighters
Special protective equipment:
- According to the existing fire-fighting regulations. Respiratory protection.

Further information:
- Collect contaminated fire fighting water separately. It must not enter the sewage system.
- Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6  Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions: see Section 8.
- Danger of slipping on leaked out/spilled product.

6.2 Environmental precautions:
- Confine spills to prevent material from entering sewers, watercourses, drains and into soil.
- Notify relevant authority.
6.3 Methods and material for containment and cleaning up
   On soil: All kind of ignition sources should be remove. Contain spilled liquid with
   sand, earth or other suitable absorbents. Recover free liquid by pumping.
   Dispose of according to local regulations.
   On water: Confine the spillage. Remove from surface by skimming or suitable
   absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections
   Personal precautions: see section 8.
   Waste treatment methods: see section 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling
   Keep general measures applied for normal operations with lubricants.
   Keep away from radiant heat and open flame.
   Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.
   Ensure washing facilities after working hours and before breaks.
   Take off contaminated clothing and wash it before reuse.
   When using do not eat, drink or smoke. Avoid splashing the product.
   Handling temperature: no data

7.2 Conditions for safe storage, including any incompatibilities
   Storage facilities must comply with regulations for storing of flammable liquids.
   Store in dry, well ventilated place in original, closed containers.
   Keep away from radiant heat, open flame and strong oxidizing agents.
   Storage temperature: max. 40°C

7.3 Specific end use(s)
   Process oil(s)

SECTION 8 Exposure controls / personal protection

   Engineering control measures:
   Not required.

8.1 Control parameters:
   Mineral oil mist: TWA: 5 mg/m³; STEL: 10 mg/m³, for oil mist, vapour excluded
   (ACGIH).
   Method of testing, recommended: NIOSH 5026
8.2 Exposure controls
Personal protection:
  Respiratory protection: Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter is recommended.
  Hand protection: Oil resistant gloves (EN 374, Breakthrough time 480 min) (e.g. nitrile rubber – minimal thickness 0.33 mm).
    Note: Manufacturer’s directions for use and the conditions of application should be observed.
  Eye protection: Where splashing is possible, wear safety glasses (EN 166).
  Skin protection: Protective clothing (oil resistant).
  Other special: No data.

Environmental exposure controls:
  Do not discharge into drains/surface waters/groundwater.

SECTION 9  Physical and chemical properties

9.1 Information on basic physical and chemical properties

  Appearance:
    Physical state: liquid
    Colour: brown, bright, clear
    Odour: characteristic
  Change in physical state:
    Pour point (ISO 3016): typ. -9°C
    Boiling point: not available
  Others:
    Flash point (COC) (EN ISO 2592): typ. 280°C
    Ignition point (EN ISO 2592): not available
    Autoignition temperature: not available
    Explosive properties: not explosive
    Oxidizing properties: not oxidize
    Vapour pressure at 20°C: negligible
    Density at 15°C (EN ISO 12185): 0.888 – 0.898 g/cm³
    Solubility in water: practically insoluble in water
    Solubility in other solvents: gasoline, kerosene, toluene, etc.
n-Octanol/water partition coefficient: not available
Vapour density: not available
Heating value: inf. 38 000 kJ/kg
Kinematic viscosity at 40°C (EN ISO 3104): typ. 205 mm²/s
Kinematic viscosity at 100°C (EN ISO 3104): typ. 17.5 mm²/s
pH: not applicable

9.2 Other information
no data available

SECTION 10 Stability and reactivity

10.1 Reactivity: Dangerous reactivity not known.
10.2 Chemical stability: No decomposition if stored and handled properly.
10.3 Possibility of hazardous reactions: Not known.
10.4 Conditions to avoid: Direct heat or ignition sources.
10.5 Incompatible materials: Strong oxidizing agents.
10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

SECTION 11 Toxicological information

11.1 Information on toxicological effects
Acute toxicity:
Oral: \( \text{LD}_{50} \) (rat) > 2000 mg/kg (based on components)
Dermal: \( \text{LD}_{50} \) (rabbit) > 2000 mg/kg (based on components)

Acute toxicity: irritation
Skin: not irritant (based on components)
Eye: not irritant (based on components)

Respiratory or skin sensitisation: not sensitising (based on components)
Other information, specific effects:

Note L: The classification as a carcinogen need not apply according to 1272/2008/EC, because it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

Germ cell mutagenicity: not known, resp. not mutagen (based on components)
Carcinogenicity: not known, resp. not carcinogen (based on components)
Reproductive toxicity: not known, resp. no reproduction-damaging effect (based on components)
STOT-single exposure: not classified
STOT-repeated exposure: not classified
Aspiration hazard: not classified

SECTION 12  Ecological information

12.1 Toxicity  Not available.
   Aquatic organisms:
   Soil organisms:
   Plants:

12.2 Persistence and degradability  No data available.
   Biodegradability:  No data available.

12.3 Bioaccumulative potential  No data available.

12.4 Mobility  Absorbs in soil.
   Mobility in soil
   Mobility in water:  Floats on water.

12.5 Results of PBT and vPvB assessment  Does not contain PBT and vPvB substances.

12.6 Other adverse effects  None.
   Heavy metal content:
   PCT, PCB and other chlorinated hydrocarbons:  None.
   Environmental effects:  Spills may form a film on water surfaces causing impaired oxygen transfer.
   Water hazard class (German):  WGK 1 (Classification by VwVwS)
SECTION 13  Disposal considerations

13.1 Waste treatment methods

Product disposal:
Wastes of the product or used oil should be treated as hazardous waste.
Waste Identification Code: 13 02 05*
Mineral-based non-chlorinated engine, gear and lubricating oils.

Disposal must be in compliance with national and local regulations.

Packaging disposal:
Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.
Waste Identification Code: 15 01 10*
Packaging containing residues of or contaminated by dangerous substances.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: incineration

Wastewater:
Quality of wastewater emitted to natural water must comply with national and local regulations.
Care should be taken in any case to ensure compliance with EC, national and local regulations.
It is the responsibility of the user to know all relevant national and local regulations.

SECTION 14  Transport information

Land transport:
Road/ Railway  ADR/RID:  Not classified.
14.1. UN number:  not classified
14.2. UN proper shipping name:  not classified
14.3. Transport hazard class(es):  not classified
14.4. Packing group:  not classified
14.5. Environmental hazards:  not classified
14.6. Special precautions for user:  not classified

Waterways:
Inland waterways/ Sea transport  ADN/IMDG:  Not apply to the product.

Air transport:  ICAO / IATA:  Not apply to the product.
## SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture.

   This safety data sheet has been prepared according to Regulation (EC) No 2015/830 and to Regulation (EC) 1272/2008.

15.2 Chemical safety assessment.

   not available

## SECTION 16 Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Source of data presented in this material safety data sheet:

   Test results of this product
   1272/2008/EC regulation, Annex XVII. of REACH
   Relevant Hungarian and EC regulations

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

   Not classified.

The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.: 

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**SAFETY DATA SHEET**

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC  

MOL-LUB Ltd.

Trade name: **MOL Process DK 650 process oil**

Version: 5  
Latest revision: 20. 06. 2018  
Date of issue: 20. 06. 2007  
Page: 12/(12)

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