

# SAFETY DATA SHEET

**MOL-LUB Ltd.**

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 1/(13)

## 1. Identification of the mixture and of the company/undertaking

### 1.1 Product identifier:

**MOL Farm JD tractor transmission and hydraulic oil**

### 1.2 Relevant identified uses of the mixture and uses advised against

Relevant identified uses: tractor transmission and hydraulic oil

Uses advised against: no data

### 1.3 Details of the supplier of the safety data sheet:

MOL-LUB Lubricant Production Trade and Service Limited Liability Company

H-2931 Almásfüzitő, Fő út 21., Hungary

Phone / Fax: +36 34 526 330 / +36 34 526 391

Request SDS of:

MOL-LUB Lubricant Production Trade and Service Limited Liability Company

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 HSE, SD and QOP

Phone: +36 34 526 343; Mobile: +36 20 474 2644

e-mail: csahorvath@mol.hu

Technical information:

MOL-LUB Ltd. Product Development and Technical Service

H-1117 Budapest, Október huszonharmadika utca 18., Hungary

Phone/Fax: +36 80 201 296 or +36 1 464 0236 / +36 1 464 0304

### 1.4 Emergency telephone number

Emergency telephone (07-15<sup>20</sup> h): +36 34 526 210 (CET) on workdays

Health Toxicological Information Service (ETTSZ 1096 Budapest, Nagyvárad tér 2.)

Tel.: +36 1 476 6464, or +36 80 201 199

National Health Toxicological Information Service:

## 2. Hazards identification

### 2.1 Classification of the mixture

#### 2.1.1 Classification of the mixture according to regulation 1272/2008/EC

Hazard Class and Category:            Hazard statement:

-

-

# SAFETY DATA SHEET

MOL-LUB Ltd.

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 2/(13)

## 2.1.2 Classification of the substance according to regulation 1999/45/EC

Human health hazards:                      Danger symbol not required.  
Note:    Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity (See also Protective equipment).

Safety hazards:                                      Danger symbol not required.

Environmental hazards:                      Danger symbol not required.  
Note:    Spills may form a film on water surfaces causing impaired oxygen transfer.

## 2.2 Label elements 1272/2008/EC

Product identification:    Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

GHS Pictogram:                      -

Signal word:                                      -

Hazard statement:                      -

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

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

no data available

# SAFETY DATA SHEET

MOL-LUB Ltd.

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 3/(13)

## 3. Composition/information on ingredients

### 3.1 Mixtures

Chemical description: Mixture of refined mineral base oils containing, colorific and other additives.

Component(s) / Hazardous component(s):

Name	EU number	CAS number	Hazard symbol / Hazard classes and cat.	Risk phrase / Hazard statements	Conc. % (m/m)
Base oil – unspecified, hydrotreated heavy paraffinic, C20-C50* REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	67/548/EEC: - (Note L) 1272/2008/EC: - (L megjegyzés)	- - -	max. 95
Lubricating oils (petroleum), C24-C50* REACH Registr. Nr.: 01-2119489969-06	309-877-7	101316-72-7	67/548/EEC: - (Note L) 1272/2008/EC: Asp. Tox. 1 (Note L)	- H304	
Lubricating oils (petroleum), C18-C40* REACH Registr. Nr.: 01-2119486987-11	305-594-8	94733-15-0	67/548/EEC: - (Note L) 1272/2008/EC: Asp.Tox.1 (Note L)	- H304	
Mineral oil raffinate*		confidential	67/548/EEC: - (Note L) 1272/2008/EC: - (Note L)	- -	max. 5
Zinc alkyl dithiophosphate 	272-028-3	68649-42-3	67/548/EEC: Xi, N  1272/2008/EC: Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 2	R 38, R 41, R 51/53  H315 H318 H411	max. 1.6

\*: with exposure limit

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

# SAFETY DATA SHEET

MOL-LUB Ltd.

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 4/(13)

## 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.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

### 4.3 Indication of any immediate medical attention and special treatment need

Not required.

## 5. Fire-fighting measures

Fire hazards:

Moderately hazardous (see also Section 9 - flash point).

### 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

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide, sulphur oxides, phosphor oxides, various hydrocarbons and soot can be formed.

# SAFETY DATA SHEET

**MOL-LUB Ltd.**

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 5/(13)

## 5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations.

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.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

### 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. Recover free liquid by pumping. Contain the rest or small quantities with sand, earth or other suitable absorbents. 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.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Keep general measures applied for normal operations with lubricants and flammable liquids.

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 or oil-soaked clothing, wash with warm water and soap.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: not known



# SAFETY DATA SHEET

MOL-LUB Ltd.

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 7/(13)

## Change in physical state:

Pour point (ISO 3016): typ. -36°C  
Boiling point: not available

## Others:

Flash point (COC) (EN ISO 2592): typ. 210°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): 0.865 – 0.885 g/cm<sup>3</sup>  
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. 60 mm<sup>2</sup>/s  
Kinematic viscosity at 100°C (EN ISO 3104): typ. 9.4 mm<sup>2</sup>/s  
pH: not applicable

## 9.2 Other information

no data available

## 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.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

Oral:	LD <sub>50</sub> (rat)	> 2000	mg/kg	(based on components)
Dermal:	LD <sub>50</sub> (rabbit)	> 2000	mg/kg	(based on components)





# SAFETY DATA SHEET

**MOL-LUB Ltd.**

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 9/(13)

- 12.5 Results of PBT and vPvB assessment    Not required.
- 12.6 Other adverse effects
- |  |  |
|--|--|
| Heavy metal content:                         | None.  |
| 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):                 |  |

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

EWC cod: 13 02 05\*

Mineral-based non-chlorinated engine, gear and lubricating oils.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: incineration

#### Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

EWC cod: 15 01 10\*

Packaging containing residues of or contaminated by dangerous substances.

Disposal must be in compliance with national and local regulations.

#### 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.



# SAFETY DATA SHEET

**MOL-LUB Ltd.**

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 11/(13)

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

- -

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

R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
Asp.Tox.1	Aspiration hazard Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, Chronic Category 2

Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labeling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging (1272/2008/EC)
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand

# SAFETY DATA SHEET

MOL-LUB Ltd.

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 12/(13)

CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ec <sub>x</sub>	Effective Concentration x%
ErC <sub>50</sub>	EC <sub>50</sub> in terms of reduction of growth rate
Ed <sub>x</sub>	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
ESIS	European Chemical Substances Information System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC <sub>x</sub>	Lethal Concentration x%
LD <sub>x</sub>	Lethal Dose x%) Halálos dózis x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts/million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

**SAFETY DATA SHEET****MOL-LUB Ltd.**

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC

Trade name: **MOL Farm JD tractor transmission and hydraulic oil**

Version: 4    Latest revision: 11. 02. 2015    Date of issue: 27. 08. 2008    Page: 13/(13)

## Revision Indicators:

Section	Subject of change	Date	Version
3	Composition / information on ingredients	02.07.2009	2
3	Composition/information on ingredients	22.11.2012	3
9	Physical and chemical properties		
1-16	Regulatory information, other corrections. Revision modification according to 1272/2008/EC and 453/2010/EC		
1	Name modification	11.02.2015	4
1-16	Other corrections		