



SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC **MOL-LUB Ltd.**

Trade name: **MOL Farm Protect E9 15W-40 multigrade diesel engine oil**

Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 1/(14)

Section 1 Identification of the mixture and of the company/undertaking

1.1 Product identifier:

MOL Farm Protect E9 15W-40 multigrade diesel engine oil

1.2 Relevant identified uses of the mixture and uses advised against

Relevant identified uses: multigrade diesel engine 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

E-mail: kenoanyag@mol.hu

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 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 (07-15²⁰ 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:

Section 2 Hazards identification

2.1 Classification of the mixture

Hazard Class and Category:

Eye Irrit. 2

Hazard statement:

H319

Causes serious eye irritation.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 2/(14)

2.2 Label elements ((EC) No 1272/2008)

Product identification: Trade name: **MOL Farm Protect E9 15W-40 multigrade diesel engine oil**

Hazardous components: -

GHS Pictogram:



Signal word: **Warning**

Hazard statement:

H319 Causes serious eye irritation.

Supplemental hazard information:

EUH208 Contains Long chain alkyl thio carbamide metal complex. May produce an allergic reaction.

Precautionary statements – General: -

Precautionary statements – Prevention:

P273 Avoid release to the environment.

P280 Wear eye/face protection.

Precautionary statements – Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

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.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 3/(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 base oils containing additives.

Component(s) / Hazardous component(s):

Name	EU number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Lubricating oils (petroleum), C24-C50* REACH Registr. Nr.: 01-2119489969-06	309-877-7	101316-72-7	Asp.Tox.1 (Note L)	H304	max. 80
Distillates (petroleum), C20-C50*	265-169-7	64742-65-0	Asp.Tox.1 (Note L)	H304	
Lubricating oils (petroleum), C>25* REACH Registr. Nr.: 01-2119486948-13	309-874-0	101316-69-2	- (Note L)	-	max. 25
Lubricating oils (petroleum), C18-C40* REACH Registr. Nr.: 01-2119486987-11	305-594-8	94733-15-0	- (Note L)	-	
Mineral oil raffinate*		confidential	- (Note L)	-	max. 15
Zinc dialkyl dithiophosphate	283-392-8	84605-29-8	Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 2	H315 H318 H411	max. 1.7
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased REACH Registr. No.: 01-2119524004-56	272-234-3	68784-26-9	Aquatic Chronic 4	H413	max. 0.8
Bis(nonylphenyl)amine	253-249-4	36878-20-3	Aquatic Chronic 4	H413	max. 0.8



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 4/(14)

Name	EU number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Phenol, dodecyl-branched	310-154-3	121158-58-5	Repr. 2 Skin Irrit. 2 Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	H361f H315 H319 H400 H410	max. 0.2
Long chain alkyl thio carbamide metal complex REACH Registr. No.: 01-0000019337-66	457-320-2	-	Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 3	H315 H317 H412	max. 0.2

*: 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: Remove contaminated clothing. 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:

Causes serious eye irritation.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 5/(14)

- 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
Hazardous combustion products:
On burning, carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxides, 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.
- 6.2 Environmental precautions:
Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 6/(14)

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.

Section 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

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)

Multigrade diesel engine oil.

Section 8 Exposure controls / personal protection

Engineering control measures:

Not required.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 8/(14)

Density at 15°C (EN ISO 12185):	0.865 – 0.885 g/cm ³
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
Evaporation rate:	not available
Heating value:	inf. 38 000 kJ/kg
Kinematic viscosity at 40°C (EN ISO 3104):	typ. 119 mm ² /s
Kinematic viscosity at 100°C (EN ISO 3104):	typ. 15.4 mm ² /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:	LD ₅₀ (rat)	> 2000	mg/kg	(based on components)
Dermal:	LD ₅₀ (rabbit)	> 2000	mg/kg	(based on components)

Acute toxicity: irritation

Skin:	not irritant (based on components)
Note:	Prolonged and/or repeated contact may cause irritation on skin depending on individual sensitivity.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 9/(14)

Eye: irritant (based on components), causes serious eye irritation

Respiratory or skin sensitisation: not sensitising (based on components), but may produce an allergic reaction

Other information, specific effects:

The product does not contain PCBs, PCTs, and other chlorine compounds, and heavy metals, barium compounds.

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 known

STOT-repeated exposure: not known

Aspiration hazard: not known

Section 12 Ecological information

- | | | |
|------|------------------------------------|-------------------------------------------|
| 12.1 | Toxicity | No data for the product. |
| | 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 | |
| | Mobility in soil | Absorbs in soil. |
| | Mobility in water: | Floats on water. |
| 12.5 | Results of PBT and vPvB assessment | Does not contain PBT and vPvB substances. |



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 10/(14)

12.6 Other adverse effects

Heavy metal content: None.

PCT, PCB and other chlorinated None.

hydrocarbons:

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.

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.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

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.



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 12/(14)

Source of data presented in this material safety data sheet:

- Test results of this product
- Material safety data sheets of product's components
- Hungarian and EU lists of dangerous substances
- Relevant Hungarian regulation and EU directives

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

Eye Irrit. 2 H319 (calculated)

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

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Asp. Tox. 1	Aspiration hazard Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Respiratory/skin sensitization Category 1, 1A, 1B
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Repr. 2	Reproductive toxicity Category 2
Aquatic Acute 1	Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, Chronic Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, Chronic Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, Chronic Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment, Chronic Category 4



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 13/(14)

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
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ec _x	Effective Concentration x%
Ed _x	Effective Dose x%
ELINCS	European List of Notified Chemical Substances
ErC ₅₀	EC ₅₀ in terms of reduction of growth rate
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 _x	Lethal Concentration x%
LD _x	Lethal Dose 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
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail



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Version: 2 Latest revision: 01. 10. 2015 Date of issue: 20. 01. 2014 Page: 14/(14)

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

Revision Indicators:

Section	Subject of change	Date	Version
1	Details of the supplier of the safety data sheet, Responsible for SDS	01.10.2015	2
3	Composition/information on ingredients		
9	Physical and chemical properties		
1-16	Other corrections, revision modification according to 2015/830 /EU		