

SAFETY DATA SHEET

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



MOL-LUB Ltd.

Trade name: **MOL WO M 68 medicinal white oil**

Version: 7

Latest revision: 11 .10. 2021

Date of issue: 20. 06. 2007

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

1.1 Product identifier:

MOL WO M 68 medicinal white oil

White mineral oil (petroleum), CAS No: 8042-47-5

REACH Registr. Nr: 01-2119487078-27

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: medicinal white oil for lubricating machine and equipment in the food industries

Uses advised against: application other than the above, distribution for population.

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 Kft.

Tel: +36 80 201 296

E-mail: EBKHelpdesk@MOL.hu

1.4 Emergency telephone number

Emergency telephone (07-15²⁰ h): +36 34 526 210 (CET) on workdays

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

National Health Toxicological Information Service:

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Not classified.

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2.2 Label elements

Product identification: Trade name: **MOL WO M 68 medicinal white oil**
White mineral oil (petroleum), CAS No: 8042-47-5

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: Distribution for population.

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

3.1 Substances

Chemical description: Mixture of highly refined petroleum mineral oils.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
White mineral oil* REACH Registr. Nr.: 01-2119487078-27	232-455-8	8042-47-5	-	-	max. 100

*: with exposure limit

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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: If large amounts of oil get to the skin wash skin with water, use soap. Remove contaminated clothing.

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. In case of complaint 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 needed

No supplementary information available.

SECTION 5 Fire-fighting measures

Fire hazards:

Combustible.

5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder.

Unsuitable extinguishing media:

Full water jet.

5.2 Special hazards arising from the substance or mixture

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.

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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:
Prevent spills from entering into natural water, soil and drains by containing the liquid. All kind of ignition sources should be remove. Notify relevant authority.
- 6.3 Methods and material for containment and cleaning up
On soil: 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 and with flammable liquids.
Keep away from radiant heat and open flame.
Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.
Avoid splashing the product.
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.
Recommended handling temperature: no data.
- 7.2 Conditions for safe storage, including any incompatibilities
Keep general measures applied for normal operations with 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)
Medicinal white oil for lubricating machine and equipment in the food industries.

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SECTION 8 Exposure controls / personal protection

8.1 Control parameters

Exposure limits:

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

Engineering control measures:

Not required.

Personal protection:

- (a) Eye/face protection Tightly fitting safety goggles (EN 166).
- (b) Skin protection
 - (i) Hand protection Oil resistant gloves (EN 374, Breakthrough time > 480 min, PK power level: 6; PR flow rate: 0).
Note: Manufacturer's directions for use and the conditions of application should be observed.
 - (ii) Other Protective clothing (oil resistant) (EN 340).
- (c) Respiratory protection Under normal conditions not required. In case of formation of oil mist recommended to use a half face filter mask.
- (d) Thermal hazards 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

- a) Physical state: liquid
- b) Colour: colourless, bright, clean
- c) Odour: odourless
- d) Melting point/freezing point (Pour point) (ISO 3016): typ. -12°C
- e) Boiling point or initial boiling point and boiling range (DIN 51356): not available
- f) Flammability: combustible
- g) Lower and upper explosion limit: not explosive
- h) Flash point (COC) (EN ISO 2592): typ. 250°C
- i) Auto-ignition temperature: not available

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j) Decomposition temperature:	not available
k) pH:	not applicable
l) Kinematic viscosity (EN ISO 3104)	
at 40°C:	typ. 69.1 mm ² /s
at 100°C:	not available
m) Solubility	
Solubility in water:	practically insoluble in water
Solubility in other solvents:	gasoline, kerosene, toluene, etc.
n) Partition coefficient n-octanol/water (log value):	not available
o) Vapour pressure at 20°C:	negligible
p) Density and/or relative density at 15°C (EN ISO 12185):	0.863 -0.873 g/cm ³
q) Relative vapour density:	not available
r) Particle characteristics:	not available

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:	High temperatures, direct sunlight or 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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met

Oral:	LD ₅₀ (rat)	> 5000 mg/kg (OECD 401)
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg (OECD 402)
Inhalation:	LC ₅₀ (rat)	> 5000 mg/kg/4 h (OECD 403)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

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Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

No data.

SECTION 12 Ecological information

12.1 Toxicity

No data available for the preparation.

White mineral oil (CAS: 8042-47-5) (Based on data from similar materials)

Fish:	LL0	100-10 000 mg/L	96 h
Daphnia (Daphnia magna):	EL0	100 mg/L	48 h
Algae (Pseudokirchneriella subcapitata):	EL0	100 mg/L	72 h
Daphnia (Daphnia magna):	NOELR	10 - 1000 mg/L	21 days
Algae (Pseudokirchneriella subcapitata):	NOELR	100 mg/L	72 h

12.2 Persistence and degradability

No data available for the preparation.

White mineral oil

> 60% (28 days, OECD 301B), readily degradable.

12.3 Bioaccumulative potential

No data available.

12.4 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.

12.6 Endocrine disrupting properties

No data.

12.7 Other adverse effects

Heavy metal content:

None.

PCT, PCB and other chlorinated hydrocarbons:

None.

Environmental effects:

Large spills may be hazardous to the environment. Spills may form a film on water surfaces causing impaired oxygen transfer.

Water hazard class (German):

WGK 1 (Classification by AwSV)

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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 or ID 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.

Marine pollutant:

No

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.

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SECTION 15 Regulatory information

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

This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.

Seveso category: not classified.

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.

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

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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 Labelling
CAS	Chemical Abstracts Service
CLP	Classification and Labelling
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

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Ec _x	Effective Concentration x%
ErC ₅₀	EC ₅₀ in terms of reduction of growth rate
Ed _x	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
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
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

Revision Indicators:

Section	Subject of change	Date	Version
1-16	Regulatory information, other corrections	03. 11. 2010	2
1-16	Revision modification according to 453/2010/EC and 1272/2008/EC	28. 03. 2011	3
3 9	Composition/information on ingredients Physical and chemical properties	12. 03. 2013	4
1 3 9 1-16	Details of the supplier of the safety data sheet, Responsible for SDS Composition/information on ingredients Physical and chemical properties Other corrections, revision modification according to 2015/830 /EU	10. 12. 2015	5

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Section	Subject of change	Date	Version
2, 14	Regulatory information	30.01.2018	6
1-16	Other corrections		
1-16	Revision modification according to 2020/878/EU	11.10.2021	7