

# SAFETY DATA SHEET



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

Trade name: **MOL Fortilmo EV 603 vanishing oil**

Version: 11    Latest revision: 09. 08. 2023    Date of issue: 20. 06. 2007    Page: 1/(14)

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

### 1.1. Product identifier:

**MOL Fortilmo EV 603 vanishing oil**

UFI: F971-70KK-500N-VJY7

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

Relevant identified uses: vanishing oil for industrial use.

Uses advised against: application other than the above.

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

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián út 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:

Asp. Tox. 1

H304    May be fatal if swallowed and enters airways.



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## SECTION 3:    Composition/information on ingredients

### 3.2. Mixtures

Chemical description:            Mixture of isoalkanes containing additives

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics REACH Registr. Nr.: 01-2119472146-39	918-167-1	-	Flam. Liq. 3 Asp. Tox. 1	H226 H304 EUH066	max. 98
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics REACH Registr. Nr.: 01-2119456810-40	920-901-0	246538-78-3	Asp. Tox. 1	H304	max. 50
2,6-di-tert-butyl-p-cresol REACH Registr. Nr.: 01-2119555270-46	204-881-4	128-37-0	Aquatic Acute 1 Aquatic Chronic 1	H400 (M=1) H410 (M=1)	max. 0.1

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. Keep warm, and allow to rest. Loosen tight clothing. If necessary, perform the artificial respiration. Get 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. Remove contact lenses, if present and easy to do. Continue rinsing for 10-15 minutes. Get medical attention.

Ingestion:              If swallowed DO NOT induce vomiting. Get prompt medical attention. In case of spontaneous vomiting, the head should be turn down.

Protection of first-aid person:    No individual specifications.

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

Skin contact: Repeated exposure may cause skin dryness or cracking.

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Inhalation: irritation in respiratory tract and for mucous membranes. Headache, nausea, vomiting, changes in mental status.

Ingestion: Nausea. Vomiting. Abdominal pain. Diarrhea.

The product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions.

Eye contact: Burning feeling and temporary redness.

Delayed Effects: Aspiration (inhalation of foreign matter into the airways) symptoms of pneumonia often occur only a few (6 - 8) hours later and physical exertion increases their severity. This is why it is important to rest and medical observation.

4.3. Indication of any immediate medical attention and special treatment needed

In case of ingestion get medical attention immediately. The injured person should be kept under observation.

## 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 substance or mixture

Hazardous combustion products:

On burning, carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot can be formed.

5.3. Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Self-supporting breathing apparatus.

Further information:

In case of fire, keep containers cool with water spray.

Vapours can form flammable/explosive vapour-air mixtures.

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back.

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. (Explosion risk). Eliminate all sources of ignition in vicinity of spilled material. Notify relevant authority.

### 6.3. Methods and material for containment and cleaning up

On soil: Stop leak if you can do so without risk Remove all kind of ignition sources. Recover free liquid by pumping (explosion risk). Contain spilled liquid with sand, earth, ground limestone or other suitable absorbents and place in suitable containers for recycle or disposal. Use explosion-proof equipment. 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 flammable materials.

Use only in well ventilated areas. Keep away from any source of ignition (open flame and sparks), and heat (hot surfaces).

Use explosion-proof equipment. Take precautionary measures against static discharges.

Do not use compressed air or oxygen for filling, discharging, or handling operations.

Do not spray at high pressure (>3 bar).

Avoid contact with skin. Avoid breathing in fumes/vapour/mists.

Wash hands before breaks and at end of work. Take off contaminated clothing and wash it before reuse.

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

Handling temperature: not given

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## 7.2. Conditions for safe storage, including any incompatibilities

Keep general measures applied for normal storage of flammable materials.

Keep away from radiant heat, open flame. Keep away from strong oxidizing agents and acids.

Store in dry place in tightly closed, original containers.

Prevent any build-up of static electricity.

Packing materials: hydrocarbon resistant (carbon-steel, stainless steel).

Operate only on cold and degassed reservoirs in ventilated premises (to avoid risk of explosion).

Storage temperature: max. 30°C.

## 7.3. Specific end use(s)

Vanishing oil.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters: -

### 8.2. Exposure controls

Engineering control measures:

Adequate ventilation or local exhaust.

Use explosion-proof equipment/fittings and non-sparking tools.

Personal protection:

(a) Eye/face protection    Goggles, in case of risk of splashing (EN 166).

(b) Skin protection

(i) Hand protection    Liquid proof aliphatic solvent resisting gloves (EN 374):

In case of splashes or limited contact:

Polychloroprene: Thickness >0,7 mm. Permeation time: > 60 minutes.

PVC: Thickness >1,5 mm. Permeation time: > 30 minutes.

In case of prolonged or repeated contact:

Nitrile: Thickness >0,2 mm. Permeation time: > 480 minutes.

Fluoro polymer and PVA. same thickness. Permeation time: > 480 minutes.

Note: Manufacturer's directions for use and the conditions of application should be observed.

(ii) Other

Protective clothing (hydrocarbon resistant).

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(c) Respiratory protection Under normal conditions not required. If the vapor concentration exceeds the exposure limit, wear suitable respiratory equipment.

In case of vapours or sprays formation: combined gas cartridge (filter A/P2).

Be aware that filter protection time is limited.

(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:   | light yellow, clear  |
| c) Odour:  | characteristic   |
| d) Melting point/freezing point (Pour point) (ISO 3016):                 | < -30°C  |
| e) Boiling point or initial boiling point and boiling range (DIN 51356): | not available  |
| f) Flammability:   | combustible  |
| g) Lower and upper explosion limit:                                      | Product is not explosive. However, formation of explosive air/steam mixtures is possible.<br>0.6 Vol % / 7.0 Vol % (product)<br>0.6 Vol % / 6.5 Vol % (EK: 918-167-1)<br>0.6 Vol % / 7.0 Vol % (EK: 920-901-0) |
| h) Flash point ((PM) (ISO 2719):   | typ. 66°C  |
| i) Auto-ignition temperature:  | not available  |
| j) Decomposition temperature:  | not available  |
| k) pH:   | not applicable   |
| l) Kinematic viscosity (EN ISO 3104)<br>at 20°C:<br>at 100°C:            | typ. 1.75 mm <sup>2</sup> /s<br>not available  |
| m) Solubility<br>Solubility in water:<br>Solubility in other solvents:   | practically insoluble in water<br>gasoline, kerosene, toluene, etc.  |

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- 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): 0.75 – 0.79 g/cm<sup>3</sup>
- q) Relative vapour density: not available
- r) Particle characteristics: not available

## 9.2. Other information

Oxidizing properties: not oxidize

## 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 (temperature above flash point, sparks, flames), static electricity.
- 10.5. Incompatible materials Strong oxidizing agents, strong acids.
- 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

### Component:

*Hydrocarbons, C11-C12, isoalkanes, <2% aromatics (EC: 918-167-1)*

Oral (OECD 401):	LD <sub>50</sub> (rat)	> 5000 mg/kg
Dermal (OECD 402):	LD <sub>50</sub> (rabbit)	> 5000 mg/kg/24 h
Inhalation (OECD 403):	LD <sub>50</sub> (rat)	> 5000 mg/kg/8 h

- 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.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.





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## 12.7. 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):	WGK 1 (Classification by AwSV)

## 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.

Waste Identification Code: 12 01 07\*

Mineral-based machining oils free of halogens (except emulsions and solutions).

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.

## SECTION 14: Transport information

### Land transport:

Road/ Railway

ADR/RID:

Not classified.

14.1. UN number or ID number

not classified.

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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.
14.7.	Maritime transport in bulk according to IMO instruments	not applicable

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 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.

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

Asp. Tox. 1                      H304                      calculated method

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Flam. Liq. 3	Flammable liquid Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Aquatic Acute 1	Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, Chronic Category 1

## 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, 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 <sub>x</sub>	Effective Concentration x%
Ed <sub>x</sub>	Effective Dose x%
ELINCS	European List of Notified Chemical Substances
ErC50	EC50 in terms of reduction of growth rate;
ES	Exposure Scenario
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%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level

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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
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	Full revision	15. 01. 2008	2
14	Transport information	04. 03. 2010	3
1-16	Regulatory information, other corrections		
2	Hazards identification	10. 01. 2013	4
3	Composition/information on ingredients		
9	Physical and chemical properties		
11	Toxicological information		
12	Ecological information		
1-16	Regulatory information, other corrections Revision modification according to 1272/2008 and 453/2010/EC		
3	Composition/information on ingredients	23. 07. 2014	5
9	Physical and chemical properties		
1-16	Regulatory information, other corrections		
1	Details of the supplier of the safety data sheet, Responsible for SDS	28. 01. 2016	6
3	Composition/information on ingredients		
9	Physical and chemical properties		
1-16	Other corrections, revision modification according to 2015/830 /EU		

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Section	Subject of change	Date	Version
3 9	Composition/information on ingredients Physical and chemical properties	04. 05. 2016	7
3 1-16	Composition/information on ingredients Other corrections.	27. 04. 2017	8
2 3 9	Hazards identification Composition/information on ingredients Physical and chemical properties	07. 06. 2019	9
1.3 9.1 12 1-16.	Details of the supplier of the safety data sheet Physical and chemical properties Ecological information Revision modification according to 2020/878/EU	18. 01. 2022	10
1-16.	Changes in legislation, other corrections	09. 08. 2023	11