



SAFETY DATA SHEET

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

Trade name: **MOL Quench 32 quenching oil**

Version: 2 Latest revision: 25. 11. 2021 Date of issue: 01. 08. 2016 Page: 1/(12)

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

1.1 Product identifier:

MOL Quench 32 quenching oil

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

Relevant identified uses: quenching oil for industrial use.

Uses advised against: application other than the above.

1.3 Details of the supplier of the safety data sheet:

Supplier identification:

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, Nagyváradi tér 2.)

Tel.: 36 80 201 199 (0-24 h, free number).

National Health Toxicological Information Service:



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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 Quench 32 quenching oil**

Hazardous components: -

GHS Pictogram: not required

Signal word: not required

Hazard statement:

Not required.

Supplemental hazard information:

EUH210 Safety data sheet available on request

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.



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Section 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of refined mineral base oils containing additives.

Ingredients:

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated* REACH Registr. Nr: 01-2119489969-06	309-877-7	101316-72-7	- (Note L)	-	<100
Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based* REACH Registr. Nr: 01-2119486987-11	305-594-8	94733-15-0	- (Note L)	-	<100
Distillates (petroleum), dewaxed light paraffinic, hydrotreated REACH Registr. Nr: 01-2119488517-24	295-301-9	91995-40-3	Asp. Tox. 1 (Note L)	H304	<10

*: with exposure limit

Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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



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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: Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention. In case of contact with hot product hold the burnt area under cold running water for at least 15 minutes.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. In case of persistent irritation, get medical attention.

Ingestion: If swallowed, ca. 200 ml give water. **Do not** induce vomiting. Get prompt medical attention.

Protection of first-aid person: No data available.

4.2 Most important symptoms and effects, both acute and delayed

If prolonged or repeated contact: skin irritation, eye irritation.

Ingestion of large quantities could cause nausea, diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

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:

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.



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5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations.

Further information:

Contaminated extinguishing water must not enter into surface water, watercourses, sewers.
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 removed. 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 flammable liquids.

Keep away from radiant heat and open flame.

Sufficient ventilation should be provided.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.



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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: (-15) – (+40)°C
Storage duration: 3 years

- 7.3 Specific end use(s)
Quenching oil.

Section 8 Exposure controls / personal protection

- 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

Engineering control measures:
Adequate ventilation.

Personal protection:

- (a) Eye/face protection Where splashing is possible, safety glasses recommended (EN 166).
- (b) Skin protection
- (i) Hand protection Protective gloves (MSZ EN 374).
Material: PVC, rubber
Note: Manufacturer's directions for use and the conditions of application should be observed.
- (ii) Other Protective clothing (cotton).
- (c) Respiratory protection Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter is recommended.



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(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: | yellow, clear |
| c) Odour: | characteristic |
| d) Melting point/freezing point (Dropping point) (ISO 3016): | -9°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): | min. 220°C |
| i) Auto-ignition temperature: | not available |
| j) Decomposition temperature: | not available |
| k) pH: | not applicable |
| l) Kinematic viscosity (EN ISO 3104): | |
| at 40°C: | 28.80-35.20 mm ² /s |
| at 100°C: | 4.80-5.90 mm ² /s |
| 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: | not available |
| p) Density and/or relative density at 15°C (ASTM D 4052): | not available |
| q) Relative vapour density: | not available |
| r) Particle characteristics: | not available |

9.2 Other information

- | | |
|--|-------------------|
| Viscosity index: | min. 90 |
| Corrosion effect on copper plate (100°C, 3 hours) (EN ISO 2160): | max. grade: 1b k. |
| Water content (EN ISO 9029): | 0,0% (m/m) |



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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, direct sunlight.
10.5 Incompatible materials: Strong oxidizing agents, water.
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 | (based on components) |
| Dermal: | LD ₅₀ (rabbit) | > 2000 mg/kg | (based on components) |
- 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.
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 for the product.
12.2 Persistence and degradability No data available.
Biodegradability: No data available.



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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:	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 08*

Other engine, gear and lubricating oils.

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



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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.
14.6. Special precautions for user:		Not classified.

Waterways:

Inland waterways/ Sea transport ADN/IMDG: Not classified.

Air transport: ICAO / IATA: Not classified.

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



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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.:

H304 May be fatal if swallowed and enters airways.

Asp. Tox. 1 Aspiration hazard 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 (1272/2008/EC)
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%
ErC ₅₀	EC ₅₀ in terms of reduction of growth rate
Ed _x	Effective Dose x%
EC	European Community



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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
LCx	Lethal Concentration x%
LDx	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	Revision modification according to 2020/878/EU. Full revision due to composition change	25. 11. 2021	2