

SAFETY DATA SHEET



according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

MOL-LUB Ltd.

Trade name: **MOL Hykomol Syntrans 75W-90 synthetic automotive gear oil**

Version: 5 Latest revision: 23. 03. 2021 Date of issue: 29. 01. 2009 Page: 1/(12)

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

1.1 Product identifier:

MOL Hykomol Syntrans 75W-90 synthetic automotive gear oil

UFI: RJG0-30PD-000H-K3J4

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

Relevant identified uses: synthetic automotive gear oil

Uses advised against: no data

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 Ltd.

Phone: +36 80 201 296

e-mail: EBKHelpdesk@MOL.hu

1.4 Emergency telephone number

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

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:

Skin Sens. 1

Aquatic Chronic 3

Hazard statement:

H317

H412

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

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2.2 Label elements

Product identification: Trade name: **MOL Hykomol Syntrans 75W-90 synthetic automotive gear oil**

Hazardous component(s): Alkyl amine, long chain;
Long chain alkildiothiadiazole

GHS Pictogram:



Signal word:

Warning

Hazard statement:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information: -

Precautionary statements – General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements – Prevention:

P273 Avoid release to the environment.

P280 Wear protective gloves.

Precautionary statements – Response:

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

P333 + P313 If skin irritation or rash occurs: 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.

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 synthetic oils containing additives.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Alkyl amine, long chain REACH Registration Nr.: 01-2119456796-18	273-279-1	68955-53-3	Acute Tox. 4 Acute Tox. 3 Skin Corr. 1B Skin Sens. 1A Acute Tox. 2 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1	H302 H311 H314 H317 H330 H335 H400 (M=1) H410 (M=1)	0.25 – <1.0
Alkyl dithiophosphate REACH Registration Nr.: no data		confidential	Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	H319 H400 (M=1) H410 (M=1)	0.25 – <1.0
Long chain alkildiothiadiazole REACH Registration Nr.: no data	256-616-7	-	Skin Sens. 1B	H317	0.10 – <1.0

*: with exposure limit

The full text of each relevant H- phrase, 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. Get medical attention.

Ingestion: Rinse mouth immediately of water. **Do not** induce vomiting. Get medical attention.

Protection of first-aid person: No individual specifications.

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- 4.2 Most important symptoms and effects, both acute and delayed
May cause an allergic skin reaction.
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
Not required.

SECTION 5 Fire-fighting measures

Fire hazards:
Combustible

- 5.1 Extinguishing media
Suitable extinguishing media:
Carbon dioxide, dry chemical, water spray.
Fight larger fires with alcohol resistant foam.
- Unsuitable extinguishing media:
Full water jet.
- 5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:
On burning, carbon dioxide, carbon monoxide, 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.
Danger of slipping on leaked out/spilled product.

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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.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

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

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 clothing and wash it before reuse.

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: no data.

7.3 Specific end use(s)

Synthetic automotive gear oil.

SECTION 8 Exposure controls / personal protection

8.1 Control parameters: -

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8.2 Exposure controls

Engineering control measures:

Adequate ventilation or local exhaust.

Personal protection:

(a) Eye/face protection Where splashing is possible, wear safety glasses (EN 166).

(b) Skin protection

(i) Hand protection Oil resistant gloves (according to MSZ EN 374, DBZ breakthrough time: ≥ 480 minutes; Material: Nitrile butyl rubber (NBR), layer thickness: ≥ 0.38 mm.

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

(ii) Other

Protective clothing (oil resistant).

(c) Respiratory protection Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter is recommended.

(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: | brown, clear |
| c) Odour: | characteristic |
| d) Melting point/freezing point (Pour point) (ISO 3016): | typ. -45°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 available |
| h) Flash point (COC) (EN ISO 2592): | typ. 220°C |
| i) Auto-ignition temperature: | not available |
| j) Decomposition temperature: | not available |
| k) pH: | not applicable |



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- | | |
|--|-----------------------------------|
| l) Kinematic viscosity (EN ISO 3104): | |
| at 40°C: | typ. 96.5 mm ² /s |
| at 100°C: | typ. 14.5 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: | negligible |
| p) Density and/or relative density at 15°C (EN ISO 12185): | 0.840 – 0.860 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: | Direct heat or ignition sources. |
| 10.5 Incompatible materials: | Strong oxidizing agents, strong acids, strong bases. |
| 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

Dermal:	ATE	30150 mg/kg
Inhalation (vapor):	ATE	51.26 mg/L

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: May cause an allergic skin reaction.

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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	Harmful to aquatic life with long lasting effects.
12.2 Persistence and degradability	No data available.
Biodegradability:	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil:	No data available.
Mobility in water:	No data available.
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.
Water hazard class (German):	WGK 2 (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 06*

Synthetic engine, gear and lubricating oils.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: incineration

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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.

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 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

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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.

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

Skin Sens. 1	H317	calculation method
Aquatic Chronic 3	H412	calculation method

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

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Acute Tox. 4	Acute toxicity Category 4
Acute Tox. 3	Acute toxicity Category 3
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Sens. 1A, 1B	Respiratory/skin sensitization Category 1A, 1B
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Acute Tox. 2	Acute toxicity Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, Chronic Category 1

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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, 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%
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
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
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



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Revision Indicators:

Section	Subject of change	Date	Version
2 3 9 12 1-16	Hazards identification Composition/information on ingredients Physical and chemical properties Ecological information Revision modification according to 453/2010/EC and 1272/2008/EC	27. 06. 2013	2
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	06. 10. 2015	3
1-16	Full revision due to composition change	14. 08. 2018	4
1-16	Full revision. Revision modification according to 2020/878/EU	23. 03. 2021	5