

# SAFETY DATA SHEET



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

**MOL-LUB Ltd.**

Trade name: **MOL CVT Fluid continuously variable transmission oil**

Version: 2      Latest revision: 05. 03. 2018      Date of issue: 11. 03. 2016      Page: 1/(12)

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

### 1.1 Product identifier:

**MOL CVT Fluid continuously variable transmission oil**

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

Relevant identified uses: continuously variable transmission 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. 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 (07-15<sup>20</sup> h): +36 34 526 210 (CET) on workdays

Health Toxicological Information Service (ETTSZ 1096 Budapest, Nagyvárad tér 2.)

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

National Health Toxicological Information Service:

## SECTION 2 Hazards identification

### 2.1 Classification of the mixture or substance

Hazard Class and Category:      Hazard statement:

Skin Sens. 1B.

H317

May cause an allergic skin reaction.

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## 2.2 Label elements

Product identification:      Trade name: **MOL CVT Fluid continuously variable transmission oil**

Hazardous component(s): Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs.

GHS Pictogram:



Signal word:                      **Warning**

Hazard statement:

**H317**                              May cause an allergic skin reaction.

Supplemental hazard information:

**EUH208**                              Contains 1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs., and C14-C18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

Precautionary statements – General: -

Precautionary statements – Prevention:

**P280**                              Wear protective gloves, protective clothing protection.

**P273**                              Avoid release to the environment.

Precautionary statements – Response:

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

**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 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), C20-50, hydrotreated neutral oil-based*	276-738-4	72623-87-1	Asp.Tox.1 (Note L)	H304	max. 75
Distillates (petroleum), hydrotreated heavy paraffinic C20-C50*	265-157-1	64742-54-7	- (Note L)	-	max. 40
Mineral oil raffinate* REACH Registr. Nr.: 01-2119487077-29	265-158-7	64742-55-8	- (Note L)	-	max. 5
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs. REACH Registr. Nr.: 01-0000019770-68	471-920-1		Skin Sens. 1B	H317	1,1
Reaction products of Benzeneamine, N-phenyl-with nonene (branched) REACH Registr. Nr.: 01-2119488911-28	253-249-4	36878-20-3	Aquatic Chronic 4	H413	1,1
Alkyl borate		confidential	Eye Irrit. 2 Aquatic Chronic 4	H319 H413	1,1
Dibutyl phosphonate	217-316-1	1809-19-4	Skin Irrit. 2 Eye Irrit. 2	H315 H319	1,1
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich REACH Registr. Nr.: 01-211996520-35	800-172-4	398141-87-2	Aquatic Chronic 2	H411	0,6
C14-C18 alpha-olefin epoxide, reaction products with boric acid REACH Registr. Nr.: 01-2119976364-28	939-580-3	-	Skin Sens. 1B	H317	0,25
1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs. REACH Registr. Nr.: 01-0000020142-86	482-000-4		Skin Sens. 1B Aquatic Chronic 3	H317 H412	0,25

\*: with exposure limit

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: 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

May cause an allergic skin reaction.

### 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 or substance

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide, nitrogen oxides, phosphor oxides, 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:

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.

### 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

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- 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)  
Continuously variable transmission oil.

## SECTION 8 Exposure controls / personal protection

Engineering control measures:  
Not required.

### 8.1 Control parameters:

**Mineral oil mist:**                      TWA: **5 mg/m<sup>3</sup>**; STEL: 10 mg/m<sup>3</sup>, for oil mist, vapour excluded (ACGIH).

Method of testing, recommended: NIOSH 5026

### 8.2 Exposure controls

Personal protection:

Respiratory protection:              Breathing apparatus not required.

Hand protection:                      Oil resistant gloves (EN 374, Breakthrough time 480 min) (e.g. nitrile rubber – minimal thickness 0.33 mm).

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

Eye protection:                      Protective goggles not required.

Skin protection:                      Protective clothing (oil resistant).

Other special:                          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

Appearance:

Physical state:	liquid
Colour:	light brown, clear
Odour:	characteristic



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## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

Oral:	LD <sub>50</sub> (rat)	> 2000	mg/kg	(based on components)
Dermal:	LD <sub>50</sub> (rabbit)	> 2000	mg/kg	(based on components)

Acute toxicity: irritation

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

Respiratory or skin sensitisation: sensitising (based on components)

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 classified
STOT-repeated exposure:	not classified
Aspiration hazard:	not classified

## 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.





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## SECTION 14      Transport information

Land transport:

Road/ Railway      ADR/RID:      Not classified.

- 14.1. UN number: -
- 14.2. UN proper shipping name: -
- 14.3. Transport hazard class(es): -
- 14.4. Packing group: -
- 14.5. Environmental hazards: -
- 14.6. Special precautions for user: -

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 mixture.  
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2015/830/EU) and to Regulation (EC) 1272/2008.
- 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.

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Source of data presented in this material safety data sheet:

- Test results of this product
- Material safety data sheets of product's components
- 1272/2008/EC regulation, Annex XVII. of REACH
- Relevant Hungarian regulation and EU directives

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

Skin Sens. 1B.      H317      calculation methode

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

H304	Aspiration hazard Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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	May be fatal if swallowed and enters airways.
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1, 1B	Respiratory/skin sensitization Category 1, 1B
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
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

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 (1272/2008/EC)
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand

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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%
ErC <sub>50</sub>	EC <sub>50</sub> in terms of reduction of growth rate
Ed <sub>x</sub>	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
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 <sub>x</sub>	Lethal Concentration x%
LD <sub>x</sub>	Lethal Dose x%) Halálos dózis 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
2.2, 14	Regulatory information	05.03.2018	2
3	Composition/information on ingredients		
9	Physical and chemical properties		
1-16	Other corrections		