

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 1/(15)

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

1.1 Product identifier:

MOL ATF 3G automatic transmission fluid

UFI: 6AY0-50DN-P00M-CTS7

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

Relevant identified uses: automatic transmission fluid

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 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: Hazard statement:

Skin Sens. 1

H317

May cause an allergic skin reaction.

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 2/(15)

2.2 Label elements

Product identification: Trade name: **MOL ATF 3G automatic transmission fluid**

Hazardous components: Alkoxylated long-chain alkyl amine

GHS Pictogram:



Signal word: **Warning**

Hazard statement:

H317 May cause an allergic skin reaction.

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 soapy 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, at a concentration of 0.1% or more.

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 3/(15)

SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of base oils containing additives.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Distillates (petroleum), solvent-dewaxed heavy paraffinic REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	Asp. Tox. 1 (Note L)	H304	max. 65
Distillates (petroleum), hydrotreated heavy paraffinic REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	Asp. Tox. 1 (Note L)	H304	max. 65
Distillates (petroleum), solvent-dewaxed light paraffinic REACH Registr. Nr.: 01-2119480132-48	265-159-2	64742-56-9	Asp. Tox. 1 (Note L)	H304	max. 55
Distillates (petroleum), hydrotreated light paraffinic REACH Registr. Nr.: 01-2119487077-29	265-158-7	64742-55-8	Asp. Tox. 1 (Note L)	H304	max. 55
Distillates (petroleum), hydrotreated heavy paraffinic* REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	- (Note L)	-	max. 25
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based REACH Registr. Nr.: 01-2119474889-13	276-738-4	72623-87-1	Asp. Tox. 1 (Note L)	H304	max. 25
Distillates (petroleum), solvent-dewaxed heavy paraffinic* REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	- (Note L)	-	max. 12
Mineral oil raffinate*	-	mixture	- (Note L)	-	max. 7.0
Methacrylate copolymer REACH Registr. Nr.: no data		confidential	Eye Irrit. 2	H319	max. 3.0

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 4/(15)

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Alkoxylated long-chain alkyl amine REACH Registr. Nr.: no data	263-177-5	61791-44-4	Met. Corr. 1 Acute Tox. 4 Skin Corr. 1B Skin Sens. 1A Eye Dam. 1 Aquatic Chronic 3	H290 H302 H314 H317 H318 H412	max 0.6

*: 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.

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: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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

Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity.

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Not required.

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8

Latest revision: 04. 11. 2022

Date of issue: 20. 06. 2007

Page: 5/(15)

SECTION 5 Fire-fighting measures

Fire hazards:

Combustible

5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder, water fog (trained personnel only).

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, sulphur oxides, phosphor oxides, 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.

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.

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 6/(15)

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.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or 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 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: max. 40°C

7.3 Specific end use(s)

Automatic transmission fluid.

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:

Not required.

Personal protection:

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

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8

Latest revision: 04. 11. 2022

Date of issue: 20. 06. 2007

Page: 7/(15)

- (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).
- (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: red, clear
- c) Odour: characteristic
- d) Melting point/freezing point (Pour point) (ISO 3016): typ. -51°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. 210°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: typ. 34.8 mm²/s
at 100°C: typ. 7.2 mm²/s
- m) Solubility
Solubility in water: practically insoluble in water
Solubility in other solvents: not available
- 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 (DIN EN ISO 12185): 0.845-0.865 g/cm³

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 8/(15)

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.
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)	> 2000 mg/kg	(based on components)
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg	(based on components)

Components:

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)

Oral:	LD ₅₀ (rat)	> 5000 mg/kg
Dermal:	LD ₅₀ (rabbit)	> 5000 mg/kg
Inhalation:	LC ₅₀ (rat)	> 5,00 mg/L (4 h)

Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8)

Oral:	LD ₅₀ (rat)	> 5000 mg/kg
Dermal:	LD ₅₀ (rabbit)	> 3000 mg/kg

Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)

Oral:	LD ₅₀ (rat)	> 2000 mg/kg	OECD 401
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg	OECD 402
Inhalation:	LC ₅₀ (rat)	> 5000 mg/m ³	OECD 403

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 9/(15)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (CAS: 72623-87-1)

Oral:	LD ₅₀ (rat)	> 5000 mg/kg
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg
Inhalation:	LC ₅₀ (rat)	> 5,53 mg/L

Distillates (petroleum), solvent-dewaxed light paraffinic (CAS: 64742-56-9)

Oral:	LD ₅₀ (rat)	> 5000 mg/kg	(literature data)
Dermal:	LD ₅₀ (rabbit)	> 2000 mg/kg	(literature data)
Inhalation:	LC ₅₀ (rat)	> 5.53 mg/L/4 h	(literature data)

Alkoxylated long-chain alkyl amine (CAS: 61791-44-4):

Oral:	LD ₅₀ (rat)	300 - 2000 mg/kg
Inhalation:	LC ₅₀ (rat)	220 ppm/1 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:	May cause an allergic skin reaction.
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

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

SECTION 12 Ecological information

12.1 Toxicity No data for the product.

Components:

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)

Fish:	LL/EL/IL ₅₀	> 100 mg/L
Crustacea:	LL/EL/IL ₅₀	> 100 mg/L
Crustacea:	LL/EL/IL ₅₀	> 100 mg/L
Microorganisms:	LC/EC/IC ₅₀	> 100 mg/L
Fish:	NOEC/NOEL	>100 mg/L
Crustacea:	NOEC/NOEL	>1 - ≤10 mg/L

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8

Latest revision: 04. 11. 2022

Date of issue: 20. 06. 2007

Page: 10/(15)

Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)

Fish:	> 1000 mg/L	96 h (OECD 203)
Daphnia:	> 100 mg/L	48 h (OECD 202)
Algae:	> 100 mg/L	72 h (OECD 201)

Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8)

Fishes (Pimephales promelas):	NOEL	≥ 100 mg/L	96 h
Daphnia (Daphnia magna):	EC ₅₀	> 10000 mg/L	48 h
Daphnia (Daphnia magna):	EC ₅₀	> 10 mg/L	21 days
Daphnia (Daphnia magna):	NOEC	10 mg/L	21 days

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (CAS: 72623-87-1)

Fish:	LC ₅₀	> 100 mg/L
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Distillates (petroleum), solvent-dewaxed light paraffinic (CAS: 64742-56-9)

Fishes:	LC ₅₀	> 100 mg/L
Other aquatic organisms:	EC ₅₀	> 100 mg/L
Algae:	ErC ₅₀	> 100 mg/L
Crustacea:	NOEC	> 1 mg/L

12.2 Persistence and degradability

Biodegradability:

Hydrocarbons are inherently 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, at a concentration of 0.1% or more.

12.6 Endocrine disrupting properties

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

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.

Water hazard class (German):

WGK 1 (Classification by AwSV)

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 11/(15)

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.

Recommended waste treatment method: incineration

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.

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.

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8 Latest revision: 04. 11. 2022 Date of issue: 20. 06. 2007 Page: 12/(15)

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: E2.
- 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 1272/2008/EC (CLP)

Skin Sens. 1 H317 calculated

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

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8

Latest revision: 04. 11. 2022

Date of issue: 20. 06. 2007

Page: 13/(15)

Met. Corr. 1	Substance or mixture corrosive to metals Category 1
Acute Tox. 4	Acute toxicity Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Sens. 1A	Respiratory/skin sensitization Category 1A
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, Chronic Category 3

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
Ecx	Effective Concentration x%
ErC50	EC50 in terms of reduction of growth rate
Edx	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
LCx	Lethal Concentration x%
LDx	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8

Latest revision: 04. 11. 2022

Date of issue: 20. 06. 2007

Page: 14/(15)

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
3 1-16	Composition/information on ingredients Regulatory information, other corrections Revision modification according to 453/2010/EC	30. 06. 2011	2
3 9 1-16	Composition/information on ingredients Physical and chemical properties Regulatory information, other corrections Revision modification according to 1272/2008/EC	06. 12. 2012	3
3 9	Composition/information on ingredients Physical and chemical properties	24. 05. 2013	4
1 2 5 9 12 14 1-16	Details of the supplier of the safety data sheet, Responsible for SDS Other hazards Fire hazards Physical and chemical properties Ecological information Transport information Other corrections	20. 07. 2015	5
3 9 1-16	Composition/information on ingredients Physical and chemical properties Other corrections, revision modification according to 2015/830/EU	15. 02. 2018	6

SAFETY DATA SHEET



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

MOL-LUB Ltd.

Trade name: **MOL ATF 3G automatic transmission fluid**

Version: 8

Latest revision: 04. 11. 2022

Date of issue: 20. 06. 2007

Page: 15/(15)

Revision Indicators:

Section	Subject of change	Date	Version
2 2.2 3 4.2 8 11 12 1-16	Hazards identification Label elements Composition/information on ingredients Most important symptoms and effects, both acute and delayed Exposure controls / personal protection Toxicological information Ecological information Other corrections	29. 10. 2019	7
1-16	Revision modification according to 2020/878/EU Full revision due to composition change	04. 11. 2022	8