

SAFETY DATA SHEET



according to regulation 1907/2006/EC (REACH) and 1272/2008/EC **MOL-LUB Ltd.**

Trade name: **MOL Dynamic Moto Chain O-X moto chain oil with teflon**

Version: 3 Latest revision: 24.06.2015 Date of issue: 30. 07. 2008 Page: 1/(14)

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

1.1 Product identifier:

MOL Dynamic Moto Chain O-X moto chain oil with teflon

1.2 Relevant identified uses of the mixture and uses advised against

Relevant identified uses: moto chain oil with teflon

Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:

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, Nagyvárad tér 2.)

Tel.: +36 1 476 6464, or +36 80 201 199

National Health Toxicological Information Service:



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2. Section Hazards identification

2.1 Classification of the mixture according to regulation (EC) No 1272/2008

Hazard Class and Category:	Hazard statement:
Flam. Liq. 2	H225 Highly flammable liquid and vapour.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements (EC) No 1272/2008

Product identification:

Trade name: **MOL Dynamic Moto Chain O-X moto chain oil with teflon**

Hazardous substance: n-Pentane (CAS: 109-66-0)

GHS Pictogram:



Signal word:

Danger

Hazard statement:

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements – Prevention:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.

Precautionary statements - Prevention

P301 + P310 + P331	IF SWALLOWED: Immediately call a POISON CENTER/doctor/. Do NOT induce vomiting.
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Precautionary statements – Storage:

P403+P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed
P405	Store locked up.

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Precautionary statements - Disposal

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger: Distribution for population.

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.

3. Section Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of highly refined mineral base oil, synthetic oil, solvent, containing additives.

Ingredients:

Name	EU number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
n-Pentane	203-692-4	109-66-0	Flam. Liq. 2 Asp. Tox. 1 STOT SE 3 Aquatic Chronic 2	H225 H304 H336 H411	max.70
Synthetic oil (polybutene)	500-004-7	9003-29-6	-	-	max. 70
White mineral oil (petroleum)* REACH Registr. szám: 05-2114111021-79	232-455-8	8042-47-5	-	-	max. 20
Lubricating oils (petroleum), C24- C50*	309-877-7	101316-72-7	Asp. Tox. 1	H304	max.5
Lubricating oils (petroleum), C>25*	309-874-0	101316-69-2	-	-	

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

4. Section 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.

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Skin contact: Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention.

Eye contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Get medical attention.

Ingestion: Do not induce vomiting. Get prompt medical attention.

Protection of first-aid person: No individual specifications.

4.2 Most important symptoms and effects, both acute and delayed
No data.

4.3 Indication of any immediate medical attention and special treatment need
In case of ingestion.

5. Section Fire-fighting measures

Fire hazards:
Explosive.

5.1 Extinguishing media

Suitable extinguishing media:
Carbon dioxide, dry chemical powder, water spray.

Unsuitable extinguishing media:
Water jet.

5.2 Special hazards arising from the mixture

Hazardous combustion products:
On burning, carbon monoxide, carbon dioxide, various hydrocarbons can be formed.

5.3 Advice for fire-fighters

Special protective equipment:
According to the existing fire-fighting regulations. Wear a self-contained breathing apparatus and full turnout gear.

Further information:

Product will form flammable/explosive vapour-air mixtures.

Water spray for cooling.

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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6. Section Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Sufficient ventilation should be provided.

Keep unnecessary personnel away.

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. Sufficient ventilation should be provided. Contain spilled liquid with sand, earth or other suitable absorbents. Storage and 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.

7. Section Handling and storage

7.1 Precautions for safe handling

Keep general measures applied for normal operations with chemicals and extremely flammable aerosols.

Maintain suitable ventilation of the working place.

Keep away from radiant heat and open flame. Do not smoke.

Avoid contact with skin and eyes

Ensure washing facilities after working hours and before breaks. Take off contaminated clothing, wash with warm water and soap.

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

Handling temperature: no data

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7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of extremely flammable liquids.

Protect from direct sun exposition, heating and combustion sources.

Storage temperature: ambient (below 35 ° C)

7.3 Specific end use(s)

Moto chain oil with Teflon.

8. Section Exposure controls / personal protection

Engineering control measures:

Maintain suitable ventilation of the working place.

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

Personal protection:

Respiratory protection: In case of inadequate ventilation use a half face filter mask or other respiratory protection.

Hand protection: protective gloves, solvent resistant, in case of regularly exposition (EN 374).

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

Eye protection: Protective goggles not required.

Skin protection: Protective clothing.

Other special: No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

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9. Section Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical state:	liquid
Colour (ASTM D 1500):	colourless
Odour:	mild

Change in physical state:

Pour point (ISO 3016):	no data
Boiling point:	no data

Others:

Flash point (COC) (EN ISO 2592):	< -40°C
Ignition point:	no data
Autoignition temperature:	no data
Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Oxidizing properties:	not oxidize
Vapour pressure at 20°C:	negligible
Density at 15°C (EN ISO 12185):	typ. 0.721 g/cm ³
Solubility in water:	practically insoluble in water
Solubility in other solvents:	gasoline, kerosene, toluene, etc.
n-Octanol/water partition coefficient:	not available
Vapour density:	not available
Evaporation rate:	not available
Heating value:	
Kinematic viscosity at 40°C (EN ISO 3104):	not available
Kinematic viscosity at 100°C (EN ISO 3104):	
pH:	not available

9.2 Other information

no data available

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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 known
STOT-repeated exposure:	not known
Aspiration hazard:	Harmful: may cause lung damage if swallowed.

12. Section Ecological information

12.1 Toxicity	No data available for the preparation.
12.2 Persistence and degradability Biodegradability:	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility Mobility in soil: Mobility in water:	Absorbs in soil. Floats on water. The most part of the product is very volatile.
12.5 Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances.

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12.6 Other adverse effects

Biological oxygen demand:	No data.
Chemical oxygen demand:	No data.
Environmental effects:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Water hazard class (German):	WGK 2 (Classification by VwVwS)

13. Section 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: 14 06 03*

Other solvents and solvent mixtures.

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.

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.

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14. Section Transport information

Land transport:

Road/ Railway	ADR/RID:
14.1. UN number:	1265
14.2. UN proper shipping name:	PENTANES, liquid
14.3. Transport hazard class(es):	3
Class code:	F1
14.4. Packing group:	I
Label:	3
14.5. Environmental hazards:	-
14.6. Special precautions for user:	
Limited and excepted quantities:	0 E3
Transport category:	1 (D/E)
Hazard identification No.:	33

Waterways:

Inland waterways/ Sea transport	ADN/IMDG:
Class:	3
Packaging group:	I
Label:	3
EmS number:	-
Marine pollutant:	-
UN number:	1265
UN proper shipping name:	PENTANES, liquid

Air transport: ICAO / IATA:

Class:	3
Packaging group:	I
UN number:	1265
UN proper shipping name:	PENTANES, liquid

15. Section 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

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16. Section 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.

Source of data presented in this material safety data sheet:

- Test results of this product
- Material safety data sheets of product's components
- Hungarian and EU lists of dangerous substances
- Relevant Hungarian regulation and EU directives

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

Flam. Liq. 2	H225	(test results)
Asp. Tox. 1	H304	(test results)
STOT SE 3	H336	(test results)
Aquatic Chronic 2	H411	(test results)

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

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
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Flam. Liq. 2 Flammable liquid Category 2
Asp. Tox. 1 Aspiration hazard Category 1
STOT SE 3 Specific target organ toxicity — single exposure Category 3
Aquatic Chronic 2 Hazardous to the aquatic environment, Chronic Category 2

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 _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
ESIS	European Chemical Substances Information System
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

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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
3 1-16	Composition/information on ingredients Revision modification according to 453/2010/EC	19.02.2013	2
1 2 3 12 14 1.-16	Details of the supplier of the safety data sheet, Responsible for SDS Other hazards Composition/information on ingredients Ecological information Transport information Other corrections, revision modification according to 1272/2008/EC and 2015/830 /EC.	24.06.2015	3