



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

1.1 Product identifier

Trade name: Neoval MTO-310

UFI: E9G0-F0V3-F001-K77R

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

General use: Lubricating oil with excellent anti-corrosion effect

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

E-mail: office@eurotech.at

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

GIZ-Nord, Göttingen**Telephone: +49 551-19240**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements:

H304

May be fatal if swallowed and enters airways.

H373

May cause damage to organs through prolonged or repeated exposure.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102

Keep out of reach of children.

P260

Do not breathe vapours.

P273

Avoid release to the environment.

P301+P330+P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P314

Get medical advice/attention if you feel unwell.

P405

Store locked up.

P501

Dispose of contents/container to hazardous or special waste collection point.



Special labelling

Text for labelling: Contains Distillates (petroleum), hydrotreated middle and Naphtha (petroleum), hydrodesulfurized, heavy.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Hydrocarbons, aliphatic
Corrosion inhibitors
Additives
White spirit (Aromatic contents: < 25%)
Paraffin oil (CAS 8042-47-5)

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 265-148-2 CAS 64742-46-7	Distillates (petroleum), hydrotreated middle, pure Asp. Tox. 1; H304.	70 - 90 %
EC No. 265-185-4 CAS 64742-82-1	Naphtha (petroleum), hydrodesulfurized, heavy Flam. Liq. 3; H226. STOT SE 3; H336. STOT RE 1; H372. Asp. Tox. 1; H304. Aquatic Chronic 2; H411. (EUH066).	< 5 %
EC No. 260-991-2 CAS 57855-77-3	Calcium bis(dinonylnaphthalenesulphonate) Skin Irrit. 2; H315. Eye Irrit. 2; H319.	1 - 3 %
EC No. 272-028-3 CAS 68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 2; H411.	< 1 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. If the casualty has difficulty breathing, call a doctor immediately.

Following skin contact: Remove residues with soap and water. Change contaminated clothing. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Do not give any substances favourable for resorption.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure.



4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Combustible.

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the substance.

Do not breathe vapour/aerosol. Provide adequate ventilation.

Wear appropriate protective equipment.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Dam spills with earth or sand. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

Additional information:

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling:

Avoid contact with the substance.

Provide adequate ventilation, and local exhaust as needed.

Do not breathe vapour/aerosol.

Wear appropriate protective equipment.

Precautions against fire and explosion:

Keep away from heat sources, sparks and open flames.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.

Keep only in the original container. Protect from heat and direct sunlight.

7.3 Specific end use(s)

No information available.



SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.

Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber - Layer thickness: 0.11 mm

Breakthrough time: > 480 min

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.

Body protection:

Wear suitable protective clothing.

General protection and hygiene measures:

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

Avoid contact with skin and eyes.

Take off immediately all contaminated clothing.

Do not breathe vapour/aerosol. Use only in well-ventilated areas.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa

Form: liquid

Colour:

brown

Odour:

characteristic

Odour threshold:

No data available

Melting point/freezing point:

No data available

Initial boiling point and boiling range:

No data available

Flammability:

No data available

Upper/lower flammability or explosive limits:

No data available

Flash point/flash point range:

(1013 hPa) > 101.5 °C (DIN EN ISO 2592)

Decomposition temperature:

No data available

pH:

No data available

Viscosity, kinematic:

at 40 °C: 5.12 mm²/s (DIN 51562-1)

Water solubility:

immiscible

Partition coefficient: n-octanol/water:

No data available

Vapour pressure:

at 20 °C: ≤ 3 hPa

Density:

at 15 °C: 0.823 g/mL

at 20 °C: 0.82 g/mL (ASTM D 4052)

Vapour density:

No data available

Particle characteristics:

Not applicable

9.2 Other information

Explosive properties:

No data available

Oxidizing characteristics:

No data available



Auto-ignition temperature: No data available
Evaporation rate: No data available
Additional information: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

refer to 10.3

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

In case of fire may be liberated: Sulphur oxides, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: LD50 Rat, oral: > 2000 mg/kg

Toxicological effects: Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): STOT RE 2; H373 = May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: No data available



SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 12 01 07* = Mineral-based machining oils free of halogens (except emulsions and solutions).
* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.

Package

Recommendation: ASN150104 metallic packaging
ASN150102 Plastic packaging
Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: not applicable



14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - EC member states

Volatile organic compounds (VOC):

5 % by weight = 41 g/L

Further regulations, limitations and legal requirements:

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H226 = Flammable liquid and vapour.

H304 = May be fatal if swallowed and enters airways.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H336 = May cause drowsiness or dizziness.

H372 = Causes damage to organs through prolonged or repeated exposure.

H373 = May cause damage to organs through prolonged or repeated exposure.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

EUH066 = Repeated exposure may cause skin dryness or cracking.

Reason of change: General revision

Date of first version: 29/3/2006

Department issuing data sheet: see section 1: Department responsible for information

**SAFETY DATA SHEET**

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) No 2020/878

Neoval MTO-310

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Abbreviations and acronyms:

- 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
- Aquatic Chronic: Hazardous to the aquatic environment - chronic
- AS/NZS: Australian Standards/New Zealand Standards
- Asp. Tox.: Aspiration toxicity
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EN: European Standard
- EQ: Excepted quantities
- EU: European Union
- Eye Dam.: Eye damage
- Eye Irrit.: Eye irritation
- Flam. Liq.: Flammable liquid
- IATA: International Air Transport Association
- IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- OEL: Occupational Exposure Limit Value
- OSHA: Occupational Safety and Health Administration
- 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
- Skin Irrit.: Skin irritation
- STOT RE: Specific target organ toxicity - repeated exposure
- STOT SE: Specific target organ toxicity - single exposure
- TLV: Threshold Limit Value
- TRGS: Technical Rules for Hazardous Substances
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.