



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

### 1.1 Product identifier

Trade name: NEOVAL MTO-200

UFI: 42H0-102P-600G-J9GA

### 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

Telephone: +43 (0)5523 53852

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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)

This mixture is classified as not hazardous.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

#### Special labelling

EUH208

Contains Sulfonic acids, petroleum, calcium salts and Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN &lt;300. May produce an allergic reaction.

### 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: A mixture of Paraffin oil (CAS 8042-47-5), Corrosion inhibitors and Additives.



Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1; H304.	10 - 25 %
EC No. 260-991-2 CAS 57855-77-3	Calcium bis(dinonylnaphthalenesulphonate) Skin Irrit. 2; H315. Eye Irrit. 2; H319.	1 - 3 %
EC No. 263-093-9 CAS 61789-86-4	Sulfonic acids, petroleum, calcium salts Skin Sens. 1B; H317.	< 1 %
list no. 939-603-7 CAS 1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300 Skin Sens. 1B; H317.	< 1 %

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

Additional information: Contains White mineral oil (petroleum). The maximum workplace exposure limits are, where necessary, listed in section 8.

Information about Distillates (petroleum), hydrotreated light paraffinic: Contains: < 3% Dimethylsulfoxide (DMSO) (IP 346). The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Seek medical aid in case of troubles.

Following skin contact: Remove residues with soap and water. Do not use solvents or thinners. 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. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. In the event of discomfort seek medical treatment.

### 4.2 Most important symptoms and effects, both acute and delayed

May cause sensitisation especially in sensitive humans.

### 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: Co-ordinate fire-fighting measures to the fire surroundings. 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.

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 self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not breathe fumes. 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 skin, eyes, and clothing. Do not breathe vapour/aerosol/mist. Wear appropriate protective equipment. Provide for sufficient ventilation, particularly in closed rooms. Keep unprotected people away.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.  
If necessary notify appropriate authorities.

### 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:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing.  
Do not breathe vapour/aerosol/mist. Wear appropriate protective equipment. Provide fresh air.  
When using do not eat, drink or smoke. Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Take standard precautions to prevent fire.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Store at room temperature. Store in a dry place. Do not drop, drag or bang the container. Protect from frost and exposure to sun.

### 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 good ventilation and/or an exhaust system in the work area.

**Personal protection equipment****Occupational exposure controls**

Respiratory protection:	Respiratory protection must be worn whenever the WEL levels have been exceeded. Respiratory protection in case of aerosol or vapour formation: Use combination filter type A/P according to EN 14387.
Hand protection:	protective gloves according to EN 374 (oil-resistant). Glove material: Nitrile rubber or Fluororubber (Viton) Layer thickness: 0.4 mm. Breakthrough time: >60 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:	Avoid contact with skin, eyes, and clothing. Do not breathe vapour/aerosol/mist. Have eye wash bottle or eye rinse ready at work place. When using do not eat, drink or smoke. Wash hands before breaks and after work.

**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	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:	LEL (Lower Explosion Limit): 0.00 Vol-% UEL (Upper Explosive Limit): 0.00 Vol-%
Flash point/flash point range:	> 200 °C
Auto-ignition temperature:	> 260 °C (DIN 51794)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 41 mm <sup>2</sup> /s (DIN 51562-1)
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	>= 3.5 log K(o/w) (Distillates (petroleum), hydrotreated light paraffinic) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	at 20 °C: 1 hPa
Density:	at 20 °C: 0.88 g/mL (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable

**9.2 Other information**

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	not self-igniting
Evaporation rate:	No data available



## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

Thermal decomposition:

No data available

## SECTION 11: Toxicological information

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

Toxicological effects:

The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

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

ATEmix (calculated): ATE > 2000 mg/kg

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

ATEmix (calculated): ATE > 2000 mg/kg

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

ATEmix (calculated): ATE > 5 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.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

Skin sensitisation: Based on available data, the classification criteria are not met.

Contains Sulfonic acids, petroleum, calcium salts and Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN <300. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (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

Endocrine disrupting properties: No data available

Other information: Information about Distillates (petroleum), hydrotreated light paraffinic:

Acute oral toxicity:

LD50, Rat: 5000 mg/kg

Acute dermal toxicity:

LD50, Rabbit: 2000-5000 mg/kg

Acute inhalation toxicity

LC50, Rat: &gt; 5 mg/L/4h

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

&gt;= 3.5 log K(o/w) (Distillates (petroleum), hydrotreated light paraffinic)

Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

### 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 enter undiluted resp. in large quantities into surface water or into 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: Dispose of waste according to applicable legislation.

#### Package

Recommendation: 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):

0.02 % by weight

**Labelling of packaging with <= 125mL content**

Hazard statements: EUH208

Contains Sulfonic acids, petroleum, calcium salts and Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN &lt;300. May produce an allergic reaction.

Precautionary statements: not applicable

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:

H304 = May be fatal if swallowed and enters airways.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

EUH208 = Contains Sulfonic acids, petroleum, calcium salts and Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts with TBN &lt;300. May produce an allergic reaction.

Reason of change: General revision

Date of first version: 28/3/2006

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-200**

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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
- AS/NZS: Australian Standards/New Zealand Standards
- Asp. Tox.: Aspiration toxicity
- ATE: Acute toxicity estimate
- 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 Irrit.: Eye irritation
- 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
- LC50: Median lethal concentration
- LD50: Lethal dose 50%
- LEL: Lower Explosion Limit
- 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
- Skin Sens.: Skin sensitisation
- 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.