



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

### 1.1 Product identifier

Trade name: Neoval Bike Oil 200 ml Aerosol

UFI: NN10-003Y-R00A-EXKG

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

General use: Lubricating agent  
Lubricant for chains for all types of bikes

### 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

Telefax: +43 (0)5523 53852 4

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)

Aerosol 1; H222; H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

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

### 2.2 Label elements

#### Labelling (CLP)

Signal word: **Danger**

Hazard statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:	P102	Keep out of reach of children.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P273	Avoid release to the environment.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	Dispose of contents/container to hazardous or special waste collection point.



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#### Special labelling

EUH208

Contains Orange oil (Citrus dulcis). May produce an allergic reaction.

#### 2.3 Other hazards

Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion.

Potentially explosive mixtures may form if adequate ventilation is not provided.

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: Multifunctional, high-performance mineral oil with NEOVAL OIL concentrate

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. - Index no. 056-002-00-7 CAS -	Barium salts, with the exception of barium sulphate, salts of 1-azo-2-hydroxynaphthalenyl aryl sulphonic acid, and of salts specified elsewhere in this Annex Acute Tox. 4; H302. Acute Tox. 4; H332.	< 1 %
EC No. 232-433-8 CAS 8008-57-9	Orange oil (Citrus dulcis) Flam. Liq. 3; H226. Skin Irrit. 2; H315. Skin Sens. 1; H317. Asp. Tox. 1; H304. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 0.5 %
EC No. - CAS 61641-74-5	Butan-Propan-Butadien-Flüssiggasgemisch Flam. Gas 1; H220. Liquef. Gas; H280.	< 40 %

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: Provide fresh air. Seek medical attention if problems persist.

Following skin contact: Remove residues with soap and water. Immediately remove any contaminated clothing, shoes or stockings. 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: Swallowing is not regarded as a possible way of exposition.

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

Inhalation of the product may cause giddiness, mild dizziness or headache.

#### 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, carbon dioxide, foam, extinguishing powder

Extinguishing media which must not be used for safety reasons:

Full water jet



## 5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Vapours can form explosive mixtures with air.  
Heating will lead to pressure increase: Danger of bursting and explosion.  
In case of fire may be liberated: 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.  
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

Eliminate all ignition sources if safe to do so.  
Provide adequate ventilation.  
Avoid contact with skin and eyes.  
Do not breathe vapour/aerosol.  
Keep unprotected people away.

## 6.2 Environmental precautions

Do not empty into drains.

## 6.3 Methods and material for containment and cleaning up

Take up with non-flammable, liquid binding material (e.g. sand/earth/diatomaceous earth/vermiculit) and perform disposal according to instructions.  
Provide adequate ventilation.

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.

## 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:

Provide adequate ventilation, and local exhaust as needed.  
Do not breathe vapour/aerosol. Avoid contact with skin and eyes. Use personal protective clothing.

Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.  
Use only non-sparking tools. Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store at room temperature in a dry and well ventilated area.  
Keep only in the original container.  
Protect from heat and direct sunlight.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.  
Do not store together with combustible or self-igniting materials or any highly flammable solids.

## 7.3 Specific end use(s)

No information available.



## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
106-97-8	n-Butane, pure	Ireland: 8 hours	1000 ppm

### 8.2 Exposure controls

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

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection:	Good general ventilation should be sufficient for most conditions. Respiratory protection must be worn whenever the WEL levels have been exceeded. Recommendation: Use filter type A (= against vapours of organic substances) according to EN 14387.
Hand protection:	Preventive skin protection. (Use a water-soluble skin protection product.) At handling larger quantities: Recommendation: Protective gloves according to EN 374. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Recommendation: Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Use only non-sparking tools. When using do not eat, drink or smoke. Wash hands before breaks and after work. Keep away from heat sources, sparks and open flames. Do not breathe vapour/aerosol. Use only in well-ventilated areas. Change contaminated clothing.

### 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: Aerosol
Colour:	olive green
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	Extremely flammable.
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): approx. 1.50 Vol-% UEL (Upper Explosive Limit): approx. 11.00 Vol-%
Flash point/flash point range:	No data available
Auto-ignition temperature:	approx. 400 °C (DIN 51794)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 153 mm <sup>2</sup> /s (ISO 3104)
Water solubility:	immiscible

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Partition coefficient: n-octanol/water: No data available

Vapour pressure: at 20 °C: 4000 hPa

Density: at 20 °C: 0.888 g/mL (ISO 3675)

Vapour density: No data available

Particle characteristics: Not applicable

**9.2 Other information**

Explosive properties: Product is not explosive. Potentially explosive vapour/air mixtures may form.

Oxidizing characteristics: No data available

Auto-ignition temperature: No data available

Evaporation rate: No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Extremely flammable aerosol.  
Vapours can form explosive mixtures with air.

**10.2 Chemical stability**

Product is stable under normal storage conditions.

**10.3 Possibility of hazardous reactions**

Container under pressure.  
Heating will lead to pressure increase: Danger of bursting and explosion.

**10.4 Conditions to avoid**

Keep away from heat sources, sparks and open flames.  
Keep away from combustible material.  
Protect from direct exposure to sunlight and temperatures exceeding 50 °C.

**10.5 Incompatible materials**

Oxidizing agents.

**10.6 Hazardous decomposition products**

In case of fire may be liberated: 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 (calculated): > 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): Lack of data.

Aspiration hazard: Lack of data.

## 11.2 Information on other hazards

Endocrine disrupting properties: No data available

## Symptoms

Inhalation of the product may cause giddiness, mild dizziness or headache.

# 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: 16 05 04\* = Dangerous materials containing gases in pressure containers/Aerosol  
\* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.

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**Package**

Waste key number: 15 01 10\* = packaging containing residues of or contaminated by dangerous substances

\* = Evidence for disposal must be provided.

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

**Additional information**

Do not open with force or incinerate, even when empty.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR/RID, IMDG, IATA-DGR: UN 1950

**14.2 UN proper shipping name**

ADR/RID, IMDG: UN 1950, AEROSOLS

IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

**14.3 Transport hazard class(es)**

ADR/RID: Class 2, Code: 5F

IMDG: Class 2, Subrisk -, see SP63

IATA-DGR: Class 2.1

**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****Land transport (ADR/RID)**

Warning board: RID: Kemmler-number 23, UN number UN 1950

Hazard label: 2.1

Special Provisions: 190 327 344 625

Limited quantities: 1 L

EQ: E0

Package - Instructions: P207 LP200

Package - Special Provisions: PP87 RR6 L2

Special provisions for packing together: MP9

Tunnel restriction code: D



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### Sea transport (IMDG)

EmS: F-D, S-U  
Special Provisions: 63 190 277 327 344 381 959  
Limited quantities: See SP277  
Excepted quantities: E0  
Package - Instructions: P207, LP200  
Package - Provisions: PP87, L2  
IBC - Instructions: -  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: -  
Tank instructions - Provisions: -  
Stowage and handling: SW1 SW22  
Segregation: SG69  
Properties and observations: -  
Segregation group: none

### Air transport (IATA)

Hazard label: Flamm. gas  
Excepted Quantity Code: E0  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G  
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg  
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg  
Special Provisions: A145 A167 A802  
Emergency Response Guide-Code (ERG): 10L

### 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):

37.8 % by weight = 335.7 g/L

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



Signal word:

**Danger**

Hazard statements:

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains Orange oil (Citrus dulcis). May produce an allergic reaction.  
Precautionary statements: P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]  
Physical hazards: Code P3a, Quantity threshold 150 000 kg / 500 000 kg

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**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:

H220 = Extremely flammable gas.  
H222 = Extremely flammable aerosol.  
H226 = Flammable liquid and vapour.  
H229 = Pressurised container: May burst if heated.  
H280 = Contains gas under pressure; may explode if heated.  
H302 = Harmful if swallowed.  
H304 = May be fatal if swallowed and enters airways.  
H315 = Causes skin irritation.  
H317 = May cause an allergic skin reaction.  
H332 = Harmful if inhaled.  
H400 = Very toxic to aquatic life.  
H410 = Very toxic to aquatic life with long lasting effects.  
H412 = Harmful to aquatic life with long lasting effects.  
EUH208 = Contains Orange oil (Citrus dulcis). May produce an allergic reaction.

Reason of change: General revision

Date of first version: 16/1/2006

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

Abbreviations and acronyms: Acute Tox.: Acute toxicity  
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  
Aerosol: Aerosol  
Aquatic Acute: Hazardous to the aquatic environment - acute  
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  
Flam. Gas: Flammable gases  
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  
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  
UN: United Nations  
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.