

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021**Bike Oil W20 Aerosol**

Material number 821-20

Page: 1 of 10

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: Bike Oil W20 Aerosol

UFI: 4W10-H065-N00T-DYAP

**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**

Giftzentrale Wien, Telephone: +43 (0)1-4064343

**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.

**2.2 Label elements****Labelling (CLP)**

Signal word:

**Danger**

Hazard statements:

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021**Bike Oil W20 Aerosol**

Material number 821-20

Page: 2 of 10

## 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.
P261	Avoid breathing spray.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Special labelling**

Text for labelling: Contains chlorinated hydrocarbons.

**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.

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 and additives

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. - CAS -	Alkylarylsulfonacid, Calciumsalt	1 - 3 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319.
EC No. 272-028-3 CAS 68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	< 1 %	Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 2; H411.
EC No. 203-448-7 CAS 106-97-8	n-Butane, pure	20 - 25 %	Flam. Gas 1; H220. Press. Gas (Liq.); H280.
EC No. 200-827-9 CAS 74-98-6	Propane	10 - 15 %	Flam. Gas 1; H220. Press. Gas (Comp.); H280.
EC No. 200-857-2 CAS 75-28-5	Isobutane, pure	5 - 10 %	Flam. Gas 1; H220. Press. Gas (Comp.); H280.

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.

**Bike Oil W20 Aerosol**

Material number 821-20

Page: 3 of 10

- 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: 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. Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited.

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

Additional information:

Hazchem-Code: -

Container under pressure. Heating will lead to pressure increase: Danger of bursting and explosion. Cool endangered containers with water spray and, if possible, remove from danger zone.

Use water spray jet to knock down vapours.

Do not allow fire water to penetrate into surface or ground water.

**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.

Wear appropriate protective equipment.

**6.2 Environmental precautions**

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

**Bike Oil W20 Aerosol**

Material number 821-20

Page: 4 of 10

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Provide adequate ventilation.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

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. Use only in well-ventilated areas. Do not spray into eyes or onto the skin. Do not breathe vapour/aerosol. Wear appropriate protective equipment.

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:

Keep container tightly closed in a cool, well-ventilated place.

Keep only in the original container.

Protect from heat and direct sunlight.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids.

Keep away from food, drink and animal feedingstuffs.

**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	Great Britain: WEL-STEL	1810 mg/m <sup>3</sup> ; 750 ppm
		Great Britain: WEL-TWA	1450 mg/m <sup>3</sup> ; 600 ppm
		Ireland: 8 hours	1000 ppm
75-28-5	Isobutane, pure	Ireland: 15 minutes	1000 ppm

**8.2 Exposure controls**

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

**Bike Oil W20 Aerosol**

Material number 821-20

Page: 5 of 10

**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.  
Use filter type A (= against vapours of organic substances) according to EN 14387.  
The following applies to Propane in general:  
If the concentration is exceeded, closed-circuit breathing apparatus must be used!
- Hand protection: Recommendation: Protective gloves according to EN 374.  
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:  
Keep away from heat sources, sparks and open flames.  
Change contaminated clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and after work.  
Use a water-soluble skin protection product.

**Environmental exposure controls**

Refer to "6.2 Environmental precautions".

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Appearance: Form: Aerosol  
Colour: olive green
- Odour: characteristic
- Odour threshold: No data available
- pH: No data available
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point/flash point range: No data available
- Evaporation rate: No data available
- Flammability: Extremely flammable.
- Explosion limits: LEL (Lower Explosion Limit): approx. 1.50 Vol-%  
UEL (Upper Explosive Limit): approx. 11.00 Vol-%
- Vapour pressure: at 20 °C: 4000 hPa
- Vapour density: No data available
- Density: at 20 °C: 0.898 g/mL (ISO 3675)
- Water solubility: immiscible
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Viscosity, kinematic: at 40 °C: 41 mm<sup>2</sup>/s (ISO 3104)
- Explosive properties: Product is not explosive. Potentially explosive vapour/air mixtures may form.
- Oxidizing characteristics: No data available



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021

### Bike Oil W20 Aerosol

Material number 821-20

Page: 6 of 10

## 9.2 Other information

Ignition temperature: approx. 400 °C (DIN 51794)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

Stable under recommended 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.  
Protect from direct exposure to sunlight and temperatures exceeding 50 °C.

### 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 toxicological effects

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

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021**Bike Oil W20 Aerosol**

Material number 821-20

Page: 7 of 10

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

Other information: 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 Other adverse effects**

General information: Do not allow to enter into ground-water, surface water or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number: 16 05 04\* = Gases in pressure containers (including halons) containing hazardous substances  
\* = Evidence for disposal must be provided.

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021**Bike Oil W20 Aerosol**

Material number 821-20

Page: 8 of 10

Recommendation: Special waste. Dispose of waste according to applicable legislation.  
Do not dispose of with household waste.  
Do not open with force or incinerate, even when empty.

**Package**

Waste key number: 15 01 10\* = packaging containing residues of or contaminated by dangerous substances emptied pressure containers  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.  
Empty carefully and completely, if possible.

**SECTION 14: Transport information****14.1 UN 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, IATA-DGR: not applicable

IMDG: -

**14.5 Environmental hazards**

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



**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021**Bike Oil W20 Aerosol**

Material number 821-20

Page: 9 of 10

**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 Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: -  
No data available

**National regulations - EC member states**

Volatile organic compounds (VOC):  
approx. 38 % by weight = 334 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.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 31/3/2021  
Version: 13.0  
Language: en-GB,IE  
Date of print: 15/7/2021

## Bike Oil W20 Aerosol

Material number 821-20

Page: 10 of 10

### SECTION 16: Other information

#### Further information

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

- H220 = Extremely flammable gas.
- H222 = Extremely flammable aerosol.
- H229 = Pressurised container: May burst if heated.
- H280 = Contains gas under pressure; may explode if heated.
- H315 = Causes skin irritation.
- H318 = Causes serious eye damage.
- H319 = Causes serious eye irritation.
- H411 = Toxic to aquatic life with long lasting effects.

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
- OEL: Occupational Exposure Limit Value
- AS/NZS: Australian Standards/New Zealand Standards
- 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
- EU: European Union
- IATA: International Air Transport Association
- 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
- 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
- TLV: Threshold Limit Value
- UN: United Nations
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: product identifier (UFI)

Date of first version: 15/8/2001

#### Department issuing data sheet

Contact person: see section 1: Department responsible for information

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.