

# US Material Safety Data Sheet BIKE SHINE Spray

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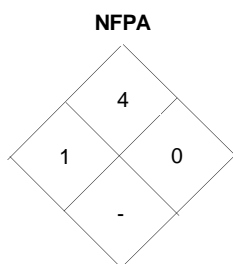
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Company BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Switzerland

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## 1 Commercial product name and supplier

1.1 Commercial product name / Designation **BIKE SHINE Spray**



HMIS	
H	1
F	4
R	0
C	-

1.2 Application / Use Cleansing and maintenance agent

1.3 Producer BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Schweiz, T. +41 (0)62 919 7575

1.4 Supplier MOTOREX USA, 900 Mendelssohn Ave. N, Golden Valley, MN 55427, USA, +1 763-417-1377

1.5 24 Hour Emergency Assistance USA + Canada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

General MSDS Assistance

1.6 Product No.

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## 2 Composition

2.1 Chemical characterization Aliphatic hydrocarbons  
Paraffin oils  
Alcohols  
Propane/butane (propellant)  
Corrosion inhibitors

2.2 Hazardous components Components contributing to hazard:

CAS No. 74-98-6 4-10 % Propane  
F+: Extremely flammable. R12: Extremely flammable.  
MAK values : 1800 mg/m<sup>3</sup>

CAS No. 106-97-8 15-25 % Butane  
F+: Extremely flammable. R12: Extremely flammable.  
MAK values : 1900 mg/m<sup>3</sup>

CAS No. 64742-48-9 10-20 % Dearomatized hydrocarbon (i-/n-Nonan)  
Xn: Harmful. R10: Flammable. R65: Harmful: may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.  
MAK values : 1200 mg/m<sup>3</sup>

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CAS No. 67-63-0 10-15 % Isopropyl alcohol  
Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to eyes. R67: Vapours may cause drowsiness and dizziness.  
MAK values : 1000 mg/m<sup>3</sup>

CAS No. 64742-48-9 20-30 % Aliphatic hydrocarbons, benzene < 0.1 %  
Xn: Harmful. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.  
MAK values : 1200 mg/m<sup>3</sup>

## 2.3 Further information

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**3 Hazards identification** Extremely flammable. Harmful: may cause lung damage if swallowed.  
Can is under pressure. Protect from direct sunlight and temperatures above 50°C (122°F). Do not pierce or burn can after use. Do not spray towards flame or incandescent object.  
Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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**4 First aid measures** No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.1 Eye contact Flush eyes with plenty of water.

4.2 Skin contact Remove residues with soap and water.

4.3 Ingestion No ingestion possible if used properly.

4.4 Inhalation Take into fresh air.

4.5 Further information

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## 5 Fire-fighting measures

5.1 Suitable extinguishing media Carbon dioxide, dry chemical and protein based foam.

5.2 Extinguishing media to avoid Water spray.

Test method:

5.3 Flash point Pressurized gas

5.4 Ignition temperature

5.5 Explosion limits Lower: 2.1 Vol% ((1013 mbar))  
Upper: 9.5 Vol%

5.6 Further information None.

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**6 Accidental release measures** Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

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## 7 Handling and storage

- |     |                                |   |
|-----|--------------------------------|---|
| 7.1 | Handling                       | Do not spray towards flame or incandescent object.<br>Keep away from sources of ignition - No smoking.  |
| 7.2 | Industrial hygiene             | Avoid breathing mists.  |
| 7.3 | Storage                        | Protect from direct sunlight and temperatures above 50°C (122°F).<br>Keep out of the reach of children. |
| 7.4 | Place of storage               |   |
| 7.5 | Fire- and explosion-protection | Use only if ventilation is good.  |
- 

## 8 Exposure controls / Personal protection

- |       |                                 |   |
|-------|---------------------------------|---|
| 8.1   | Exposure controls               | Good general ventilation should be sufficient for most processing operations. |
| 8.2   | Exposure limit values           | None established for the mixture.   |
| 8.3   | Occupational exposure controls  |   |
| 8.3.1 | Respiratory protection          | None required.  |
| 8.3.2 | Hand protection                 | None required.  |
| 8.3.3 | Eye protection                  | None required.  |
| 8.3.4 | Other                           |   |
| 8.4   | Environmental exposure controls |   |
- 

## 9 Physical and chemical properties

- |     |                          |                                |              |
|-----|--------------------------|--------------------------------|--------------|
| 9.1 | Appearance               | liquified gas                  |              |
| 9.2 | Colour                   | colourless to light yellow     |              |
| 9.3 | Odour                    | orange-like                    |              |
| 9.4 | Change of physical state |                                | Test method: |
| 9.5 | Density                  | 0.726 g/cm <sup>3</sup> (20°C) | ASTM D 4052  |
| 9.6 | Vapour pressure          | 3200 mbar (20°C)               |              |
| 9.7 | Viscosity                | <1 mm <sup>2</sup> /s (40°C)   | DIN 51562-1  |

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9.8 Solubility  
in water

insoluble

9.9 pH

not applicable

9.10 Further information

Part. coeff. n-octanol/water  
Evaporat. rate

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## 10 Stability and reactivity

- 10.1 Thermal decomposition Stable under recommended storage conditions.
- 10.2 Hazardous decomposition products None under normal conditions of storage and use.
- 10.3 Conditions / materials to avoid No hazards known.
- 10.4 Further information
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## 11 Toxicological information

- 11.1 Acute toxicity No relevant information found.
- 11.2 Subacute / Chronic toxicity
- 11.3 Further information
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## 12 Ecological information

- 12.1 Ecotoxicity
- 12.2 Mobility
- 12.3 Persistence and degradability
- 12.4 Bioaccumulative potential
- 12.5 Further information Water Hazard Class (Germany): Class 2 (self assessment): hazardous for water.
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## 13 Disposal considerations

Comply with local and national regulations.

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## 14 Transport information

- 14.1 Transport at land
- |     |   |     |   |
|-----|---|-----|---|
| ADR | 2 | RID | 2 |
|-----|---|-----|---|
- UN Number 1950      Kemler Number
- Packing Group

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14.2 Transport at sea

Proper shipping name AEROSOLS  
ADNR IMDG 2

UN Number 1950  
EMS F-D, S-U MFAG  
Packing Group  
Proper shipping name Aerosols, flammable  
Marine pollutant

14.3 Air transport

ICAO / IATA-DGR 2.1  
UN Number 1950  
Proper shipping name Aerosols, flammable  
Subsidiary Risk  
Labels Flammable gas  
Packing Group  
Passenger airplane Packing Instructions Y203  
max. 30 kg G  
Cargo Airplane Packing Instructions 203  
max. 75 kg

14.4 Further information

The product is classified for transportation.

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**15 Regulatory information** Classification according to EEC criteria.

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

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**16 Other information** No other information.

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*The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.*

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