

EU Safety Data Sheet

MOTOREX OIL SPRAY (US Version)



Date of issue / Reference

20.04.2003 uh

Replaces version of

Date of printing

24.04.2003

Sheet No. 1486

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Company

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

1 Commercial product name and supplier

1.1 Commercial product name / Designation

MOTOREX OIL SPRAY (US Version)

1.2 Application / Use

Lubrication, anticorrosive

1.3 Producer

BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal
Telefon +41 (0)62 919 75 75, Fax +41 (0)62 919 75 95

1.4 Supplier

BUCHER AG MOTOREX, Inc., dba: MOTOREX USA, 1932 Eastman Avenue, Suite 107, Ventura, CA 93003-5766
Tel. 805-658-0900 Fax: 805-658-0910

1.5 TOX emergency number

Europe: + 41 (0)1 251 51 51 (Center of Toxicology Information, CH-8028 Zurich)
North America:

1.6 Product No.

2 Composition

2.1 Chemical characterization

Paraffin oils
Corrosion inhibitors
White spirit (aromatics <10%)
Propane/butane (propellant)

2.2 Hazardous components

CAS No. 74-98-6

<5 % Propane

F+: Extremely flammable. R12: Extremely flammable.

CAS No. 106-97-8

<40 % Butane

F+: Extremely flammable. R12: Extremely flammable.

CAS No. 64742-82-1

30-40 % Turpentine substitute (White Spirit), benzene <0.1%

Xn: Harmful. R10: Flammable. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No. 64742-48-9

20-30 % Aliphatic hydrocarbons, benzene < 0.1 %

Xn: Harmful. R65: Harmful: may cause lung damage if swallowed.

2.3 Further information

3 Hazards identification

Extremely flammable.

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

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reach of children.

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

4.4 Inhalation

Take into fresh air.

4.5 Further information

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.

5.3 Further information

None.

6 Accidental release measures

Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7 Handling and storage

7.1 Handling

Do not spray towards flame or incandescent object.
Keep away from sources of ignition - No smoking.

7.2 Industrial hygiene

Avoid breathing mists.

7.3 Storage

Keep out of the reach of children.
Protect from direct sunlight and temperatures above 50°C (122°F).

7.4 Place of storage

7.5 Fire- and explosion-protection

8 Exposure controls / Personal protection

8.1 Technical measures

Good general ventilation should be sufficient for most processing operations.

8.2 Control of threshold limits

None established for the mixture.

8.3 Personal protective equipment

8.3.1 Respiratory protection

None required.

8.3.2 Hand protection

None required.

8.3.3 Eye protection

None required.

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8.3.4 Other

9 Physical and chemical properties

9.1 Appearance liquified gas

9.2 Colour colourless to yellow

9.3 Odour solvent

9.4 Change of physical state Test method:

9.5 Density

0.8 g/cm³ (20°C)

ISO 3675

9.6 Vapour pressure

3200 mbar (20°C)

9.7 Viscosity

<1 mm²/s (40°C)

ISO 3104

9.8 Solubility

in water

insoluble

9.9 pH

not applicable

9.10 Flash point

<0 °C

9.11 Ignition temperature

500 °C

9.12 Explosion limits

Lower: 2,1 Vol%

Upper: 9,5 Vol%

((1013 mbar))

9.13 Further information

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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 | Hazardous reactions | No hazards known. |
| 10.4 | Further information | |

11 Toxicological information

- | | | |
|------|-----------------------------|--------------------------------|
| 11.1 | Acute toxicity | No relevant information found. |
| 11.2 | Subacute / Chronic toxicity | |
| 11.3 | Further information | |

12 Ecological information

German 'Wassergefährdungs Klasse (WGK)': 2

13 Disposal considerations

Comply with local and national regulations.

- | | | |
|------|--------------|----------------------|
| 13.1 | EU waste key | 16 01 99 Waste o.n.s |
|------|--------------|----------------------|

14 Transport information

- | | | | | | |
|------|--------------------|----------------------|-----------------------------|---------------|-----|
| 14.1 | Transport at land | ADR | 2 | RID | 2 |
| | | UN Number | 1950 | Kemler Number | |
| | | Packing Group | | | |
| | | Proper shipping name | Aerosols, flammable, n.o.s. | | |
| 14.2 | Transport at sea | ADNR | | IMDG | |
| | | UN Number | 1950 | | |
| | | EMS | 2-13 | MFAG | 620 |
| | | Packing Group | | | |
| | | Proper shipping name | Aerosols, flammable, n.o.s. | | |
| 14.3 | Air transport | ICAO / IATA-DGR | 2.1 | | |
| | | UN Number | 1950 | | |
| | | Packing Group | | | |
| | | Proper shipping name | Aerosols, flammable, n.o.s. | | |
| | Passenger airplane | Packing Instructions | Y203 | | |
| | | max. | 30 kg G | | |
| | Cargo Airplane | Packing Instructions | 203 | | |
| | | max. | 75 kg | | |

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14.4 Further information The product is classified for transportation.

15 Regulatory information

This product requires classification according to the criteria of the EC and the "Gefahrstoffverordnung".

15.1 UN number

1950

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

F+



15.5 Hazard designation

F+: Extremely flammable. Contains Propane, Turpentine substitute (White Spirit), benzene <0.1%, Butane, Aliphatic hydrocarbons, benzene < 0.1 %.

15.6 Risk phrases

R: 12

12

Extremely flammable.

15.7 Safety phrases

15.8 MAK value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 Further information

16 Other information

No other information.

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.
