

EU Safety Data Sheet

FORMULA 2T (US Version)

MOTOREX
Oil of Switzerland

Date of issue / Reference 08.04.2003 os
Replaces version of 27.11.2002 pd
Date of printing 24.04.2003 Sheet No. 1433 Page 1 of 5

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

1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **FORMULA 2T (US Version)**
- 1.2 Application / Use Motor Oil
- 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 Polyolefins
White Spirit
Additives
Mineral oil, paraffinic (CAS# 8042-47-5)
- 2.2 Hazardous components Components contributing to hazard:
CAS No. 64742-47-8 10-20 % Aliphatic hydrocarbons, benzene < 0.1 %
Xn: Harmful. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.
- 2.3 Further information None.

3 Hazards identification

No known hazard.

4 First aid measures

- 4.1 Eye contact Flush with plenty of water.
- 4.2 Skin contact Remove residues with soap and water.
- 4.3 Ingestion Do not induce vomiting.
Do not take in resorption stimulating agents.
Consult physician.
- 4.4 Inhalation Take into fresh air.

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4.5 Further information None.

5 Fire-fighting measures

- | | | |
|-----|------------------------------|--|
| 5.1 | Suitable extinguishing media | Carbon dioxide, dry chemical and protein based foam. |
| 5.2 | Extinguishing media to avoid | DO NOT USE WATER JET. |
| 5.3 | Further information | In case of fire carbon, sulphur and nitrogen oxides can be formed. |

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 | Vapours of this product are heavier than air and will collect in low areas such as pits, storage tanks, and other confined areas.
Ventilate area. |
| 7.2 | Industrial hygiene | Follow safety precautions for handling of mineral oils.
Avoid breathing mists. |
| 7.3 | Storage | Store in cool, dry well ventilated area away from sources of ignition and heat. |
| 7.4 | Place of storage | |
| 7.5 | Fire- and explosion-protection | Keep away from heat source. |

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 | Good general ventilation should be sufficient for most conditions. |
| 8.3.2 | Hand protection | None required. |
| 8.3.3 | Eye protection | None required. |
| 8.3.4 | Other | None. |

9 Physical and chemical properties

- | | | |
|-----|------------|----------------|
| 9.1 | Appearance | liquid |
| 9.2 | Colour | sea-green |
| 9.3 | Odour | characteristic |

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9.4 Change of physical state

Test method:

9.5 Density

0.866 g/cm³ (20°C)

ISO 3675

9.6 Vapour pressure

9.7 Viscosity

53 mm²/s (40°C)

ISO 3104

9.8 Solubility
in water

immiscible

9.9 pH

not applicable

9.10 Flash point

120 °C (1013 mbar)

ISO 2719

9.11 Ignition temperature

>200 °C

9.12 Explosion limits

Lower: 0,6 Vol%
Upper: 6,5 Vol% ((1013 mbar))

9.13 Further information

None.

10 Stability and reactivity

10.1 Thermal decomposition

Stable under normal handling and storage conditions.

10.2 Hazardous decomposition products

Non, when used in accordance with regulations.

10.3 Hazardous reactions

No hazards known.

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10.4 Further information

None.

11 Toxicological information

11.1 Acute toxicity

The oral LD50 for rats is >2000 mg/kg.

11.2 Subacute / Chronic toxicity

11.3 Further information

None.

12 Ecological information

German 'Wassergefährdungs Klasse (WGK)': 2

13 Disposal considerations

Dispose of according to local and national regulations.

13.1 EU waste key

13 02 05 non chlorinated machine, gear and lubricating oils based on mineral oil

14 Transport information

14.1 Transport at land

ADR

RID

UN Number

Kemler Number

Packing Group

Proper shipping name

14.2 Transport at sea

ADNR

IMDG

UN Number

EMS

MFAG

Packing Group

Proper shipping name

14.3 Air transport

ICAO / IATA-DGR

UN Number

Packing Group

Proper shipping name

Passenger airplane

Packing Instructions

max.

Cargo Airplane

Packing Instructions

max.

14.4 Further information

Product is not classified for any mode of transportation.

15 Regulatory information

This product does not require classification according to the criteria of the Commission of the European Communities (Council Directive 67/548/EEC).

15.1 UN number

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15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 MAK value

15.9 BVD classification (CH) F31 Y2

15.10 VbF (D)

15.11 Further information None.

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.

This safety data sheet has been generated with the safety database 'ChernManager',
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