

# EU Safety Data Sheet

TWO STROKE 2T



Date of issue / Reference	07.05.2010	mku		
Replaces version of	18.11.2008	mku		
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Company BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Switzerland

## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **TWO STROKE 2T**
- 1.2 Application / Use Engine Oil
- 1.3 Producer BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Schweiz, T. +41 (0)62 919 7575  
Auskunft zum Sicherheitsdatenblatt: msds@motorex.com  
Importeur EU: MOTOREX Deutschland AG, Bismarckstrasse 28, D-69198 Schriesheim
- Supplier BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Schweiz  
Phone +41 62 919 75 75
- 1.4 TOX emergency number Emergency calls during office times: Phone +41 (0)62 919 75 75  
Public Toxicological Information Centre, CH-8028 Zurich, E-mail: info@toxi.ch, T. +41 (0)44 251 51 51
- 1.5 Product No.

## 2 Hazards identification

No known hazard.

## 3 Composition

- 3.1 Chemical characterization  
White Spirit  
Mineral oil, paraffinic  
Mineral oil  
Additives
- 3.2 Hazardous components Contains  
CAS No. 64742-47-8 10 - 20 % Aliphatic hydrocarbons, benzene < 0.1 %  
EINECS/ELINCS No.: 265-149-8  
Xn: Harmful. R65: Harmful: may cause lung damage if swallowed. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.  
MAK values : 1000 mg/m3
- 3.3 Further information None.

## 4 First aid measures

- 4.1 Eye contact Consult a physician if irritation develops.  
Flush with plenty of water.

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- |     |                     |  |
|-----|---------------------|--|
| 4.2 | Skin contact        | Remove residues with soap and water.<br>Remove contaminated clothing immediately.  |
| 4.3 | Ingestion           | Do not induce vomiting. Do not take in resorption stimulating agents.<br>Consult a physician who will decide on need and method of emptying the stomach. |
| 4.4 | Inhalation          | Take into fresh air.<br>If respiratory irritation is experienced, call a physician.  |
| 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.

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## 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.<br>Ventilate area. |
| 7.2 | Industrial hygiene             | Avoid breathing mists.<br>Follow safety precautions for handling of mineral oils.  |
| 7.3 | Storage                        | Store in cool, dry well ventilated area away from sources of ignition and heat.  |
| 7.4 | Place of storage               | Store containers closed and protect against rain, dust, heat and other atmospheric influences.   |
| 7.5 | Fire- and explosion-protection | Keep away from heat source.<br>Keep away from sources of ignition.   |
- 

## 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 |   |

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8.3.1 Respiratory protection	Good general ventilation should be sufficient for most conditions.
8.3.2 Hand protection	Use impervious gloves when prolonged or frequently repeated contact could occur.
8.3.3 Eye protection	If contact with the product is possible, an eye protector is recommended.
8.3.4 Other	None.
8.4 Environmental exposure controls	

## 9 Physical and chemical properties

9.1 Appearance	liquid	
9.2 Colour	sea-green	
9.3 Odour	characteristic	
9.4 Change of physical state		Test method:
9.5 Density	0.871 g/cm <sup>3</sup> (20°C)	ASTM D 4052
9.6 Vapour pressure		
9.7 Viscosity	63.7 mm <sup>2</sup> /s (40°C)	DIN 51562-1
9.8 Solubility in water	immiscible	
9.9 pH	not applicable	
9.10 Flash point	120 °C (1013 mbar)	DIN EN ISO 2592
9.11 Ignition temperature	> 200 °C	
9.12 Explosion limits	Lower: 0.6 Vol% Upper: 6.5 Vol%	((1013 mbar))
9.13 Further information Part. coeff. n-octanol/water Evaporat. rate	None.	

## 10 Stability and reactivity

10.1 Thermal decomposition	Stable under normal handling and storage conditions.
10.2 Hazardous decomposition products	None, when used in accordance with regulations.

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- 10.3 Conditions / materials to avoid Other easily oxidised non-ferrous metals.
- 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

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

## 13 Disposal considerations

- 13 Disposal considerations Dispose of according to local and national regulations.
- 13.1 EU/CH 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 |      |
| Marine pollutant     |      |

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14.3	Air transport	ICAO / IATA-DGR UN Number Proper shipping name Subsidiary Risk Labels Packing Group 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 EC.

15.1 UN number

15.2 National regulations

15.3 EINECS/ELINCS 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) F4 1 Y 2

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.*