

EU Safety Data Sheet

MOTOREX Boxer 4T SAE 10W/40



Date of issue / Reference	04.11.2008	mku		
Replaces version of	30.11.2006	mku		
Date of printing	04.03.2009	Sheet No. 2141	Version 1	Page 1 of 5
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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 | MOTOREX Boxer 4T SAE 10W/40 |
| 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, Mathysstrasse 20, D-76133 Karlsruhe |
| | Supplier | BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Schweiz, T. +41 (0)62 919 7575 |
| 1.4 | TOX emergency number
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 | Polyalphaolefins
hydrocracked , hydroisomerized paraffinic hydrocarbon (CAS# 72623-87-1)
Additives |
| 3.2 | Hazardous components | Does not contain any dangerous substances according to the criteria of the EC (Council Directive 88/379/EEC). |
| 3.3 | Further information | |
-

4 First aid measures

- | | | |
|-----|--------------|---|
| 4.1 | Eye contact | Consult a physician if irritation develops.
Flush with plenty of water. |
| 4.2 | Skin contact | Remove contaminated clothing immediately.
Remove residues with soap and water. |
| 4.3 | Ingestion | Consult a physician who will decide on need and method of emptying the stomach. |

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Do not induce vomiting. Do not take in resorption stimulating agents.

4.4 Inhalation
Take into fresh air.
If respiratory irritation is experienced, call a physician.

4.5 Further information

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Water fog, carbon dioxide, foam, dry chemicals.
- 5.2 Extinguishing media to avoid None known.
- 5.3 Further information In case of fire carbon, sulphur and nitrogen oxides can be formed.

6 Accidental release measures

Do not wash into sewers or into any body of water.
Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7 Handling and storage

- 7.1 Handling Used oils (motor oils, gear oils, industrial oils) contain components causing skin cancer. Therefore, avoid skin contact by wearing protecting gloves. Carefully clean soiled parts of the skin with soap.
- 7.2 Industrial hygiene Follow safety precautions for handling of mineral oils.
- 7.3 Storage Follow regulations for storage of water hazarding products.
- 7.4 Place of storage
- 7.5 Fire- and explosion-protection Do not heat above flash point.
Keep away from sources of ignition.

8 Exposure controls / Personal protection

- 8.1 Exposure controls No specific requirements.
- 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 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.

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8.3.4 Other None.

8.4 Environmental exposure controls

9 Physical and chemical properties

9.1 Appearance	liquid	
9.2 Colour	green	
9.3 Odour	characteristic	
9.4 Change of physical state		Test method:
9.5 Density	0.862 g/cm ³ (20°C)	ASTM D 4052
9.6 Vapour pressure		
9.7 Viscosity	98 mm ² /s (40°C)	DIN 51562-1
9.8 Solubility in water	immiscible	
9.9 pH	not applicable	
9.10 Flash point	> 200 °C (1013 mbar)	DIN EN ISO 2592
9.11 Ignition temperature		
9.12 Explosion limits	Lower: Upper:	
9.13 Further information Part. coeff. n-octanol/water Evaporat. rate		

10 Stability and reactivity

10.1 Thermal decomposition	Is stable under normal 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 The estimated oral LD50 for rats is >2000 mg/kg.
No adverse effects anticipated by this route of exposure incidental to proper handling.
- 11.2 Subacute / Chronic toxicity
- 11.3 Further information

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.

13 Disposal considerations

- Comply with 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 Commission of the European Communities (Council Directive 67/548/EEC).

- 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 I Y2
- 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.