

EU Safety Data Sheet

POWER SYNT 4T SAE 10W/50



Date of issue / Reference	22.11.2008	mku		
Replaces version of	08.03.2006	os		
Date of printing	04.03.2009	Sheet No. 969	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 | POWER SYNT 4T SAE 10W/50 |
| 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 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
No known hazard. |
|---|-------------------------------|---|
-

3 Composition

- | | | |
|-----|---------------------------|---|
| 3.1 | Chemical characterization | Polyalphaolefins
Esters
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 | Flush with plenty of water.
Consult a physician if irritation develops. |
| 4.2 | Skin contact | Remove residues with soap and water.
Remove contaminated clothing immediately. |
| 4.3 | Ingestion | Do not induce vomiting. Do not take in resorption stimulating agents. |

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Consult a physician who will decide on need and method of emptying the stomach.

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 Do not use direct water stream.
- 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.

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 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.

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8.4 Environmental exposure controls

9 Physical and chemical properties

9.1 Appearance	liquid	
9.2 Colour	yellow to brown	
9.3 Odour	characteristic	
9.4 Change of physical state		Test method:
9.5 Density	0.86 g/cm ³ (20°C)	ASTM D 4052
9.6 Vapour pressure		
9.7 Viscosity	116 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: not explosive	
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	None.

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11 Toxicological information

- 11.1 Acute toxicity No adverse effects anticipated by this route of exposure incidental to proper handling.
The estimated oral LD50 for rats is >2000 mg/kg.
- 11.2 Subacute / Chronic toxicity
- 11.3 Further information None.

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

- 13.1 EU/CH waste key 13 02 06 synthetic machine, gear and lubricating oils

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 requires 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 **R: 52/53**
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

15.7 Safety phrases **S: 57**
57 Use appropriate container to avoid environmental contamination.

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.