

US Safety Data Sheet

CROSS POWER 2T



Date of issue / Reference

03/08/2006 os

Replaces version of

06/23/2005 os

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02/12/2007 **Sheet No. 1007**

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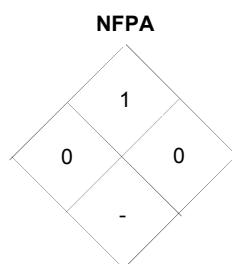
Company

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

1 Commercial product name and supplier

1.1 Commercial product name / Designation

CROSS POWER 2T



HMIS	
H	1
F	1
R	0
C	B

1.2 Application / Use

Engine Oil

1.3 Producer

BUCHER AG LANGENTHAL, MOTOREX-Schmiertechnik, CH-4901 Langenthal, Schweiz, T. +41 (0)62 919 7575

1.4 Supplier

MOTOREX USA, 900 Mendelssohn Ave. N, Golden Valley, MN 55427, USA, +1 763-417-1377

1.5 TOX emergency number

USA + Canada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

1.6 Product No.

2 Composition

2.1 Chemical characterization

White Spirit
Synthetic esters
Polyolefins
Additives

2.2 Hazardous components

Dangerous substances according to the criteria of the EC (Council Directive 88/379/EEC):

CAS No. 64742-47-8 10 - 30 % 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.

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4 First aid measures

- | | | |
|-----|---------------------|--|
| 4.1 | Eye contact | Consult a physician if irritation develops.
Flush with plenty of water. |
| 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.
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 | 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 direct water stream. |
| 5.3 | Flash point | 230 °F |
| | | Test method:
DIN EN ISO 2592 |
| 5.4 | Ignition temperature | |
| 5.5 | Explosion limits | Lower: 0.6 Vol%
Upper: 6.5 Vol% ((1013 mbar)) |
| 5.6 | 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 | Avoid breathing mists.
Follow safety precautions for handling of solvents. |
| 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. |

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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 | 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. |

9 Physical and chemical properties

- | | | | |
|-----|--------------------------|--------------------------------|--------------|
| 9.1 | Appearance | liquid | |
| 9.2 | Colour | red | |
| 9.3 | Odour | characteristic | |
| 9.4 | Change of physical state | | Test method: |
| | Boiling point | 392 °F | |
| | Pour point/range: | -49 °F | |
| 9.5 | Density | 0.872 g/cm ³ (20°C) | ASTM D 4052 |
| 9.6 | Vapour pressure | | |
| 9.7 | Viscosity | 60 mm ² /s (40°C) | DIN 51562-1 |
| 9.8 | Solubility | | |
| | in water | immiscible | |

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9.9 pH

not applicable

9.10 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. |
| 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

Water Hazard Class (Germany): Class 2 (self assessment): hazardous for water.

13 Disposal considerations

Dispose of according to local and national regulations.

- | | | |
|------|-----------------|---|
| 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 | |

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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 National regulations

15.2 NFPA Storage

Class IIIB

15.3 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.