

EU Safety Data Sheet

TOOLREX TOOLCUT MQL FERRO



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Company BUCHER AG LANGENTHAL, TOOLREX-Schmiertechnik, CH-4901 Langenthal, Schweiz
Phone +41 62 919 75 75

1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **TOOLREX TOOLCUT MQL FERRO**
- 1.2 Application / Use Cutting Oil
- 1.3 Producer BUCHER AG LANGENTHAL, TOOLREX-Schmiertechnik, CH-4901 Langenthal, Schweiz
Phone +41 62 919 75 75
- Supplier BUCHER AG LANGENTHAL, TOOLREX-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 Fatty acid esters
- 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 All ingredients of the product are listed on the TSCA Chemical Substances Inventory and the Canadian Domestic Substances List.
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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.
- 4.4 Inhalation Take into fresh air.
- 4.5 Further information

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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 WATER JET.
- 5.3 Further information Complete combustion will result in carbon dioxide and water.
-

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 No specific requirements.
- 7.2 Industrial hygiene Follow safety precautions for handling of lubricants.
- 7.3 Storage Follow regulations for storage of water hazarding products.
- 7.4 Place of storage Store containers closed and protect against rain, dust, heat and other atmospheric influences.
- 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
- 8.3 Occupational exposure controls
- 8.3.1 Respiratory protection None required.
- 8.3.2 Hand protection Water soluble skin protectant cream.
- 8.3.3 Eye protection Use safety glasses.
- 8.3.4 Other
- 8.4 Environmental exposure controls
-

9 Physical and chemical properties

- 9.1 Appearance liquid
- 9.2 Colour yellowish
- 9.3 Odour characteristic

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9.4 Change of physical state Test method:
9.5 Density 0.9 g/cm³ (20°C) ASTM D 4052
9.6 Vapour pressure <3 mbar (20°C)
9.7 Viscosity 21 mm²/s (40°C) DIN 51562-1
9.8 Solubility
in water immiscible
9.9 pH not applicable
9.10 Flash point >220 °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

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

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12 Ecological information

- 12.1 Ecotoxicity Water Hazard Class (Germany): Class 1 (self assessment): slightly hazardous for water.
- 12.2 Mobility
- 12.3 Persistence and degradability
- 12.4 Bioaccumulative potential
- 12.5 Further information
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13 Disposal considerations

- Comply with local and national regulations.
- 13.1 EU/CH waste key 12 01 19 Machining oils easy biodegradable
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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 | |
- 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.
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15 Regulatory information

This product does not require classification according to the criteria of the EC.

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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 10 mg/m³

15.9 BVD classification (CH) F4 1 Y3

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.
