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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 TOOLCOOL X 5000**
- 1.2 Application / Use Cooling lubricant
- 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

Alcohols
 Emulsifiers
 Mineral oil
 Corrosion inhibitors

3.2 Hazardous components

Contains

CAS No. 770-35-4	8-12 % 1-phenoxypropan-2-ol EINECS/ELINCS No.: 212-222-7 Xi: Irritant. R36: Irritating to eyes.
	3-5 % Alcohols (C16-18), ethoxylated, propoxylated Xi: Irritant. N: Dangerous for the environment. R38: Irritating to skin. R50: Very toxic to aquatic organisms.
CAS No. 68920-66-1	1-3 % Ethoxylate EINECS/ELINCS No.: 500-236-9 Xi: Irritant. R38: Irritating to skin.
CAS No. 112-34-5	1.4 % 2-(2-butoxyethoxy)ethanol EINECS/ELINCS No.: 203-961-6 Xi: Irritant. R36: Irritating to eyes. MAK values : 100 mg/m3
CAS No. 68603-39-4	1-3 % Fatty acid ethanolamide, ethoxylated Xi: Irritant. R36/38: Irritating to eyes and skin.

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3.3 Further information All ingredients of the product are listed on the TSCA Chemical Substances Inventory and the Canadian Domestic Substances List.

4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water.
- 4.2 Skin contact Immediately wash skin with soap and plenty of 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
-

5 Fire-fighting measures

- 5.1 Suitable extinguishing media Water fog, carbon dioxide, alcohol resistant foam, dry chemicals.
- 5.2 Extinguishing media to avoid DO NOT USE WATER JET.
- 5.3 Further information In case of fire carbon and sulphur oxides can be formed.
-

6 Accidental release measures

Do not allow to flow off into the drains or waters.
Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7 Handling and storage

- 7.1 Handling
- 7.2 Industrial hygiene Follow safety precautions for handling of mineral oils.
- 7.3 Storage Follow regulations for storage of water hazarding products.
Avoid freezing.
- 7.4 Place of storage Store containers closed and protect against rain, dust, heat and other atmospheric influences.
- 7.5 Fire- and explosion-protection No specific requirements
-

8 Exposure controls / Personal protection

- 8.1 Exposure controls No specific requirements.
- 8.2 Exposure limit values
- 8.3 Occupational exposure controls

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8.3.1 Respiratory protection None required.

8.3.2 Hand protection Water insoluble skin protectant cream.
Use CR or NBR rubber gloves. Material thickness: 0.5 mm

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 brown

9.3 Odour characteristic

9.4 Change of physical state Test method:

9.5 Density 0.945 g/cm³ (20°C) ASTM D 4052

9.6 Vapour pressure

9.7 Viscosity 45 mm²/s (40°C) DIN 51562-1

9.8 Solubility
in water

miscible

9.9 pH DIN 51369

8.6
in 50 g/l water at 20 deg.C.

9.10 Flash point >150 °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.

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10.3 Conditions / materials to avoid No hazardous reactions have been observed.

10.4 Further information None.

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 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

13 Disposal considerations Comply with local and national regulations.

13.1 EU/CH waste key 12 01 09 halogenfree machining emulsions and solutions

14 Transport information

14.1 Transport at land ADR RID

UN Number Kemler Number
Packing Group
Proper shipping name

14.2 Transport at sea ADN R 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 10 mg/m³

15.9 BVD classification (CH) F4 1 Y3

15.10 VbF (D)

15.11 Further information

16 Other information None.

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.
