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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 TOOLSPINDLE ACT**
- 1.2 Application / Use Anticorrosive
- 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** May cause sensitisation by skin contact.

## 3 Composition

- 3.1 Chemical characterization Alkanolamines salts  
 Biocides
- 3.2 Hazardous components Dangerous substances according to the criteria of the EC (Council Directive 88/379/EEC):
- |                    |  |
|--------------------|--|
| CAS No. 95154-01-1 | 10-15 % (2-Benzothiazolythio) succinic acid<br>EINECS/ELINCS No.: 401-450-4<br>Xi: Irritant. R43: May cause sensitisation by skin contact. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
|                    | 1-5 % Triazol derivative, alkanolamine salt<br>Xn: Harmful. R22: Harmful if swallowed. R52: Harmful to aquatic organisms. R36/38: Irritating to eyes and skin.   |
| CAS No. 5395-50-6  | <0.5 % Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione<br>EINECS/ELINCS No.: 226-408-0<br>Xi: Irritant. R43: May cause sensitisation by skin contact.   |
- 3.3 Further information None.

## 4 First aid measures

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- 4.1 Eye contact Flush eyes with plenty of water.
  - 4.2 Skin contact Remove residues with soap and water.
  - 4.3 Ingestion Rinse mouth and drink large amount of water.  
Consult a physician immediately.
  - 4.4 Inhalation Take into fresh air.
  - 4.5 Further information None.
- 

## 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 This product is not flammable due to the high water content.
- 

## 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.

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## 7 Handling and storage

- 7.1 Handling Exercise reasonable care and caution.
  - 7.2 Industrial hygiene Avoid eye and skin contact.
  - 7.3 Storage Follow regulations for storage of water hazing 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 Good general ventilation should be sufficient.
- 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 Rubber gloves.

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- 8.3.3 Eye protection Use safety glasses.
- 8.3.4 Other Remove contaminated clothing immediately, wash skin area with water, and launder clothing before reuse.
- 8.4 Environmental exposure controls
- 

## 9 Physical and chemical properties

- 9.1 Appearance liquid
- 9.2 Colour yellow fluorescent
- 9.3 Odour characteristic
- 9.4 Change of physical state Test method:  
Melting range  
Boiling point 100 °C (1013 mbar)
- 9.5 Density 1.155 g/cm<sup>3</sup> (20°C) ASTM D 4052
- 9.6 Vapour pressure
- 9.7 Viscosity <3 mm<sup>2</sup>/s (40°C) DIN 51562-1
- 9.8 Solubility  
in water miscible in all proportions
- 9.9 pH 8.4 - 8.6  
in 50 g/l water at 20 deg.C.
- 9.10 Flash point Not applicable.
- 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 None, when used in accordance with regulations.
- 10.2 Hazardous decomposition products None under normal conditions of storage and use.

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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 The estimated oral LD50 for rats is >2000 mg/kg.  
Skin sensitisation may develop from prolonged, repeated skin contact.

11.2 Subacute / Chronic toxicity

11.3 Further information None.

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## 12 Ecological information

12.1 Ecotoxicity Water Hazard Class (Germany): Class 2 (self assessment):  
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 09 halogenfree machining emulsions and solutions

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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 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.

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**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 Xi: Irritant. Contains (2-Benzothiazolylthio) succinic acid.

15.6 Risk phrases

**R: 43**

43 May cause sensitisation by skin contact.

15.7 Safety phrases

**S: 23-24-37-60**

23 Do not breathe vapour/spray.

24 Avoid contact with skin.

37 Wear suitable gloves.

60 This material and its container must be disposed of as hazardous waste.

15.8 MAK value

15.9 BVD classification (CH)

F6 I Y2

15.10 VbF (D)

15.11 Further information

None.

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**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.*

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