

# EU Safety Data Sheet

TOOLREX TOOLSPINDLE LVG 68



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

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## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **TOOLREX TOOLSPINDLE LVG 68**
- 1.2 Application / Use Industrial and hydraulic 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.
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## 2 Hazards identification

No known hazard.

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## 3 Composition

- 3.1 Chemical characterization Mineral oil, paraffinic Additives
- 3.2 Hazardous components Contains  
CAS No. 68649-42-3 <0.75 % Zinc dialkyl dithiophosphate  
EINECS/ELINCS No.: 272-028-3  
Xi: Irritant. N: Dangerous for the environment. R38: Irritating to skin. R41: Risk of serious damage to eyes. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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 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.

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- 4.3 Ingestion Consult a physician who will decide on need and method of emptying the stomach. Do not induce vomiting. Do not take in resorption stimulating agents.
- 4.4 Inhalation Take into fresh air. If respiratory irritation is experienced, call a physician.
- 4.5 Further information None.
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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 In case of fire carbon, sulphur and nitrogen oxides can be formed.
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## 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.

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## 7 Handling and storage

- 7.1 Handling No specific requirements.
- 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 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.
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## 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 None required.
- 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.

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8.3.4 Other None.

8.4 Environmental exposure controls

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## 9 Physical and chemical properties

9.1 Appearance	liquid	
9.2 Colour	yellow to brown	
9.3 Odour	low	
9.4 Change of physical state		Test method:
Solidification point	-12 °C (1013 mbar)	ISO 3016
9.5 Density	0.88 g/cm <sup>3</sup> (20°C)	ASTM D 4052
9.6 Vapour pressure	<0.01 mbar (20°C)	ASTM D 5190
9.7 Viscosity	68 mm <sup>2</sup> /s (40°C)	DIN 51562-1
9.8 Solubility in water	partially miscible	
9.9 pH	not applicable	
9.10 Flash point	220 °C (1013 mbar)	DIN EN ISO 2592
9.11 Ignition temperature	270 °C	DIN 51794
9.12 Explosion limits	Lower: 0.9 Vol% Upper: 7.0 Vol%	
9.13 Further information		
Part. coeff. n-octanol/water		
Evaporat. rate	None.	

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## 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 No adverse effects anticipated by this route of exposure incidental to proper handling.
- 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 13 01 10 non chlorinated hydraulic oils based on mineral oil
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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

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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 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

15.9 BVD classification (CH) F4 1 Y2

15.10 VbF (D)

15.11 Further information None.

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**16 Other information** No other information.

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*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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