

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Cutting Fluid Silberschnitt V59**

Revision date: 03/16/2022

Product code: BO5002907

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**1. Identification**
**Product identifier**

Cutting Fluid Silberschnitt V59

**Further trade names**

 BO5002957, 5 l  
 BO5002907, 30 l  
 BO5002937, 200 l  
 BO9973880\*, Sample

**Recommended use of the chemical and restrictions on use**
**Use of the substance/mixture**

cutting fluid

**Details of the supplier of the safety data sheet**
**Manufacturer**

Company name:	BOHLE AG	
Street:	Dieselstr. 10	
Place:	42781 Haan	
Telephone:	+49 2129 5568-0	Telefax: +49 2129 5568-282
e-mail:	info@bohle.de	
Contact person:	Dr. Martin Schade	Telephone: +49 2129 5568-300
e-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

**Trader of the product**

Company name:	Bohle America, Inc.
Street:	10924 Granite Street, Suite 200
Place:	USA-NC 28273 Charlotte
e-mail (Contact person):	sales@bohle.com

**Emergency phone number:** Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

**2. Hazard(s) identification**
**Classification of the chemical**
**29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 4

Aspiration hazard: Asp. Tox. 1

**Label elements**
**29 CFR Part 1910.1200**
**Signal word:** Danger

**Pictograms:**

**Hazard statements**

Combustible liquid

May be fatal if swallowed and enters airways

**Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

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If swallowed: Immediately call a poison center/doctor.  
 Do NOT induce vomiting.  
 Store in a well-ventilated place.  
 Store locked up.

**3. Composition/information on ingredients**
**Mixtures**
**Chemical characterization**

Hydrocarbons

**Hazardous components**

CAS No	Components	Quantity
93924-07-3	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics	<90 %
93924-07-3	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	<20 %
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether	<10 %

**4. First-aid measures**
**Description of first aid measures**
**General information**

First aider: Pay attention to self-protection!  
 Move out of dangerous area.  
 Take off contaminated clothing and shoes immediately.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.  
 If symptoms persist, call a physician.

**After contact with skin**

Wash off with soap and plenty of water.  
 If symptoms persist, call a physician.

**After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Consult a physician.

**After ingestion**

Rinse mouth thoroughly with water.  
 Do NOT induce vomiting.  
 Call a physician immediately.

**Most important symptoms and effects, both acute and delayed**

May be fatal if swallowed and enters airways.  
 @1501.B015620

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Fire-fighting measures**
**Extinguishing media**
**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>)  
 Extinguishing powder  
 alcohol resistant foam  
 Water spray jet

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**Unsuitable extinguishing media**

high volume water jet

**Specific hazards arising from the chemical**

Heating or fire can release toxic gas.

Carbon dioxide, Carbon monoxide

**Special protective equipment and precautions for fire-fighters**

Standard procedure for chemical fires.

Self-contained respirator (breathing apparatus) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

**Additional information**

Use water spray to cool unopened containers.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protective equipment.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

Do not allow to enter into soil/subsoil.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**Methods and material for containment and cleaning up****Other information**

Provide adequate ventilation.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Dispose of waste according to applicable legislation.

**Reference to other sections**

Personal protection equipment (PPE): see section 8

Disposal: see section 13

**7. Handling and storage****Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaust at critical locations.

To avoid risks to man and the environment, comply with the instructions for use.

**Advice on protection against fire and explosion**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Usual measures for fire prevention.

Take precautionary measures against static discharges.

Vapors may form explosive mixtures with air.

**Advice on general occupational hygiene**

Do not breathe vapours or spray mist.

Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately.

Wash hands before breaks and immediately after handling the product.

When using do not eat or drink. Do not smoke.

Keep away from food, drink and animal feedingstuffs.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Store in a place accessible by authorized persons only.

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Protect from direct sunlight.

#### Hints on joint storage

Incompatible with oxidizing agents.

#### Further information on storage conditions

Recommended storage temperature: 5 - 40°C

## 8. Exposure controls/personal protection

### Control parameters

### Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

safety glasses with side-shields conforming to EN166

##### Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Glove material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber)

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

##### Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

EN 13034 (type 6 limited splash-tight)

##### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Combination filtering device

Respirator with filter for organic vapour, Recommended Filter type: A-P2

##### Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

Do not allow to enter into soil/subsoil.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	colourless
Odor:	like: Hydrocarbons

#### Test method

#### Changes in the physical state

Boiling point or initial boiling point and boiling range:	> 190 °C
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Flash point:	>71 °C	ISO 2719
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Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Auto-ignition temperature:	not determined
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<b>Self-ignition temperature</b>	not auto-flammable
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pH-Value:	not applicable
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Viscosity / dynamic: (at 20 °C)	< 3 mPa·s
Viscosity / kinematic: (at 40 °C)	< 2 mm <sup>2</sup> /s
Water solubility:	insoluble
Vapor pressure: (at 20 °C)	>0,1 hPa
Density (at 20 °C):	0,79 g/cm <sup>3</sup>

**Other information****Other safety characteristics**

Solvent content: 100%

**Further Information**

Vapors may form explosive mixtures with air.

**10. Stability and reactivity****Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

Stability: Stable

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

Vapors may form explosive mixtures with air.

**Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protect from direct sunlight.

**Incompatible materials**

oxidizing agents

**Hazardous decomposition products**

No decomposition if used as directed.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
93924-07-3	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat	OECD 401	
	dermal	LD50 >5000 mg/kg	Rabbit	OECD 402	
93924-07-3	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >4,951 mg/l	Rat		

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - repeated exposure**

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Aspiration hazard**

May be fatal if swallowed and enters airways

**12. Ecological information**
**Ecotoxicity**

This product has no known eco-toxicological effects.

**Bioaccumulative potential**

Bioaccumulation is unlikely.

**Mobility in soil**

No data available

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**Other adverse effects**

slightly water endangering

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

**13. Disposal considerations**
**Waste treatment methods**

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**Disposal recommendations**

Can be incinerated, when in compliance with local regulations.

**Contaminated packaging**

Dispose of completely emptied containers as combustible waste or metal waste depending on the material.

**14. Transport information**
**U.S. DOT 49 CFR 172.101**

**Proper shipping name:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.

**UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:** No dangerous good in sense of this transport regulation.

**UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Other applicable information**

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

**15. Regulatory information**
**U.S. Regulations**
**National regulatory information**

SARA Section 311/312 Hazards:

3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8): Immediate (acute) health hazard

**State Regulations**
**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information**
**Hazardous Materials Information Label (HMIS)**

Health: 1

Flammability: 2

Physical Hazard: 0

**NFPA Hazard Ratings**

Health: 1

Flammability: 2

Reactivity: 0

Unique Hazard:

Revision date: 16.03.2022

Revision No: 1,04

**Other data**

The information is based on the present level of our knowledge. It does not, however, give assurance of



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product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*