

Safety Data Sheet

according to UK REACH Regulation

Cutting Fluid Silberschnitt V52

Revision date: 25.05.2023

Product code: BO5002904

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SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Cutting Fluid Silberschnitt V52

Further trade names

 BO5002954, 5 l
 BO5002904, 30 l
 BO5002934, 200 l
 BO9973880*, Sample

UFI: 0744-U13H-2PN3-W8VU

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture

cutting fluid

1.3. Details of the supplier of the safety data sheet

Company name:	BOHLE AG	
Street:	Dieselstr. 10	
Place:	D-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	

1.4. Emergency telephone number: Emergency CONTACT (24-Hour-Number):GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
GB CLP Regulation

 Flam. Liq. 3; H226
 Asp. Tox. 1; H304
 Skin Irrit. 2; H315
 Aquatic Chronic 4; H413

Full text of hazard statements: see SECTION 16.

2.2. Label elements
GB CLP Regulation
Hazard components for labelling

 Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics
 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
 Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics

Signal word: Danger

Pictograms:

Hazard statements

 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.

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H315 Causes skin irritation.
 H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:


Hazard statements

H304-H413

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Hydrocarbons

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification (GB CLP Regulation)	
68551-17-7	Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics	<50 %
	918-317-6	01-2119474196-32
	Flam. Liq. 3, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 4; H226 H315 H304 H413	
93924-07-3	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	<50 %
	918-481-9	01-2119457273-39
	Asp. Tox. 1; H304	
93924-07-3	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics	<25 %
	926-141-6	01-2119456620-43
	Asp. Tox. 1; H304	
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether	<10 %
	225-878-4	603-052-00-8
	01-2119475527-28	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	

Full text of H and EUH statements: see section 16.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
68551-17-7	918-317-6	Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics	<50 %
		dermal: LD50 = >3160 mg/kg	
93924-07-3	918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	<50 %
		inhalation: LC50 = >4,951 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
93924-07-3	926-141-6	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics	<25 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	

SECTION 4: First aid measures
4.1. 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.

4.2. Most important symptoms and effects, both acute and delayed

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

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media

Carbon dioxide (CO₂)
 Extinguishing powder
 alcohol resistant foam
 Water spray jet

Unsuitable extinguishing media

high volume water jet

5.2. Special hazards arising from the substance or mixture

Heating or fire can release toxic gas.
 Carbon dioxide, Carbon monoxide

5.3. Advice for firefighters

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Standard procedure for chemical fires.
Self-contained respirator (breathing apparatus)

Additional information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protective equipment.

6.2. 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.

6.3. 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.

6.4. Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. 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.
Vapours can 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.

7.2. 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.
Protect from direct sunlight.

Hints on joint storage

Incompatible with oxidizing agents.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection
8.1. Control parameters
DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether		
Worker DNEL, long-term	dermal	systemic	44 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	270,5 mg/m ³

PNEC values

CAS No	Substance	
Environmental compartment	Value	
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether	
Freshwater	0,525 mg/l	
Marine water	0,0525 mg/l	
Freshwater sediment	2,36 mg/kg	
Marine sediment	0,236 mg/kg	
Soil	0,16 mg/kg	

8.2. Exposure controls
Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion 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.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state:

Liquid

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Colour: colourless
 Odour: like: Hydrocarbons

Boiling point or initial boiling point and
 boiling range:

> 165 °C

Lower explosion limits:

not determined

Upper explosion limits:

not determined

Flash point:

59 °C ISO 2719

Auto-ignition temperature:

not determined

pH-Value:

not applicable

Viscosity / kinematic:
 (at 40 °C)

< 2 mm²/s

Water solubility:

insoluble

Vapour pressure:
 (at 20 °C)

1 hPa

Density (at 20 °C):

0,78 g/cm³

Test method
9.2. Other information
Information with regard to physical hazard classes

Self-ignition temperature

not auto-flammable

Other safety characteristics

Solvent content:

100%

Viscosity / dynamic:
 (at 20 °C)

< 2 mPa·s

Further Information

Vapours can form explosive mixtures with air.

SECTION 10: Stability and reactivity
10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

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

10.5. Incompatible materials

oxidizing agents

10.6. Hazardous decomposition products

No decomposition if used as directed.

SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in GB CLP Regulation
Acute toxicity

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68551-17-7	Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics				
	dermal	LD50 >3160 mg/kg	Rabbit		
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		
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	

Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising 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.

STOT-single exposure

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

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information
12.1. Toxicity

This product has no known eco-toxicological effects.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. 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.

12.7. Other adverse effects

slightly water endangering

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

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SECTION 13: Disposal considerations
13.1. Waste treatment methods
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.

SECTION 14: Transport information
Land transport (ADR/RID)

14.1. UN number or ID number:	UN 3295
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Classification code:	F1
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 3295
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Classification code:	F1
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN 3295
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Special Provisions:	223
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-D

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Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 3295
14.2. UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Special Provisions:	A3 A324
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2004/42/EC (VOC): 100 % (780 g/l)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information
Changes

This data sheet contains changes from the previous version in section(s): 7.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Aquatic Chronic 4; H413	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

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Further Information

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