

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 1 of 8

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

SILBERSCHNITT cutting fluid

Further trade namesBO 027, 50 ml
BO 026, 1 l
BO 024, 200 l**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:	Klaus Nehren	Telephone: +49 2129 5568-276
e-mail:	MSDS@bohle.de	
Internet:	www.bohle-group.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****Regulation (EC) No. 1272/2008**

Hazard categories:
Acute toxicity: Acute Tox. 4
Skin corrosion/irritation: Skin Irrit. 2
Aspiration hazard: Asp. Tox. 1
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
May be fatal if swallowed and enters airways.
Causes skin irritation.
Harmful if inhaled.
Toxic to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Distillates (petroleum), hydrotreated middle, Gasoil - unspecified

Signal word: Danger**Pictograms:****Hazard statements**H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 2 of 8

H332 Harmful if inhaled.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 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/shower.
 P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
64742-46-7	Distillates (petroleum), hydrotreated middle, Gasoil - unspecified	80 - 100 %
	265-148-2	649-221-00-X
		01-2119489867-12
	Acute Tox. 4, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2; H332 H315 H304 H411	

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

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.
 Causes skin irritation.
 Harmful if inhaled.

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

Treat symptomatically.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 3 of 8

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

Standard procedure for chemical fires.
Self-contained respirator (breathing apparatus) (DIN EN 133)

Additional information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

Provide adequate ventilation.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Absorb with liquid-binding material (e.g. 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.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 4 of 8

Protect against direct sunlight.

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C

7.3. Specific end use(s)

cutting fluid

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

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

Protective and hygiene measures

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.

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.

DIN EN 13034 (Type 6 limited splash-tight)

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Combination filtering device (EN 14387)

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
Colour:	light yellow
Odour:	like: Hydrocarbons

pH-Value:	not applicable	Test method
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Changes in the physical state

Initial boiling point and boiling range:	>200°C °C
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Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 5 of 8

Flash point:	>90 °C	DIN EN ISO 2719
Auto-ignition temperature	>320°C	
Vapour pressure: (at 20 °C)	<0,1 hPa	
Density (at 20 °C):	0,87 g/cm ³	DIN 51757
Water solubility:		emulsifiable
Viscosity / dynamic: (at 20 °C)	5,5 mPa·s	
Viscosity / kinematic: (at 20 °C)	6 mm ² /s	

9.2. Other 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 against 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 toxicological effects
ATEmix tested

	Dose	Species	Source
LD50, oral	>5000 mg/kg	Rat	
LD50, dermal	>2000 mg/kg	Rabbit	
LC50, inhalative (vapour) (4 h)	>2000 mg/l	Rat	

ATEmix calculated

ATE (inhalative aerosol) 1,515 mg/l

Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
64742-46-7	Distillates (petroleum), hydrotreated middle, Gasoil - unspecified			
	inhalative vapour	ATE 11 mg/l		
	inhalative aerosol	ATE 1,5 mg/l		

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 6 of 8

Irritation and corrosivity

Causes skin irritation.
May cause eye irritation with susceptible persons.

Sensitising effects

No data available

Practical experience**Observations relevant to classification**

Harmful if inhaled.

SECTION 12: Ecological information**12.1. Toxicity**

This product has no known eco-toxicological effects.

12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

hazardous to water (WGK 2)
Toxic to aquatic life with long lasting effects.
Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

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:**

UN 3082

14.2. UN proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Distillates (petroleum), hydrotreated middle, Gasoil - unspecified**14.3. Transport hazard class(es):**

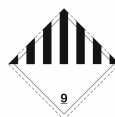
9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 7 of 8

Limited quantity: 5 L
 Excepted quantity: E1
 Transport category: 3
 Hazard No: 90
 Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Distillates (petroleum), hydrotreated middle, Gasoil - unspecified
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Classification code: M6
 Special Provisions: 274 335 375 601
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Distillates (petroleum), hydrotreated middle, Gasoil - unspecified
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Special Provisions: 274, 335, 969
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-A, S-F

Air transport (ICAO)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 Distillates (petroleum), hydrotreated middle, Gasoil - unspecified
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9



Special Provisions: A97 A158 A197
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y964
 Excepted quantity: E1

IATA-packing instructions - Passenger:

964

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Print date: 25.01.2017

Product code: BO027

Page 8 of 8

IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	964
IATA-max. quantity - Cargo:	450 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

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

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D):	2 - water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Further Information

Note N:

Die Einstufung als karzinogen ist nicht zwingend, wenn der ganze Raffinationsprozess bekannt ist und nachgewiesen werden kann, dass der Ausgangsstoff nicht karzinogen ist. Diese Anmerkung gilt nur für bestimmte komplexe Ölderivate in Teil 3 part

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