

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SILBERSCHNITT cutting fluid

Revision date: 17.03.2022

Product code: BO027

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

SILBERSCHNITT cutting fluid

Further trade names

BO 027, 50 ml

BO 026, 1 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: | 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
Regulation (EC) No 1272/2008

Acute Tox. 4; H332

Asp. Tox. 1; H304

Skin Irrit. 2; H315

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

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

Distillates (peroleum), hydrotreated middle

Signal word: Danger

Pictograms:

Hazard statements

| | |
|------|--|
| 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. |

Precautionary statements

| | |
|------|--|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
|------|--|

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| | |
|----------------|--|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves and eye/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 or shower. |
| P308+P311 | IF exposed or concerned: Call a POISON CENTER/doctor. |

Labelling of packages where the contents do not exceed 125 ml
Signal word: Danger

Pictograms:

Hazard statements

H304

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

| CAS No | Chemical name | | | Quantity |
|------------|--|--------------|------------------|------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 64742-46-7 | Distillates (peroleum), hydrotreated middle | | | 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.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|--|--------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 64742-46-7 | 265-148-2 | Distillates (peroleum), hydrotreated middle | 80 - 100 % % |
| | | inhalation: LC50 = >2000 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 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.

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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.

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)

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**

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Advice on safe handling

Provide adequate ventilation as well as local exhaustion 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)

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.

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.

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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 |

Test method
Changes in the physical state

| | |
|---|-----------|
| Boiling point or initial boiling point and boiling range: | >200°C °C |
|---|-----------|

| | | |
|--------------|--------|-----------------|
| Flash point: | >90 °C | DIN EN ISO 2719 |
|--------------|--------|-----------------|

| | |
|----------------------------------|--------|
| Self-ignition temperature | >320°C |
|----------------------------------|--------|

| | |
|-----------|----------------|
| pH-Value: | not applicable |
|-----------|----------------|

| | |
|------------------------------------|-----------|
| Viscosity / dynamic: (at 20 °C) | 5,5 mPa·s |
|------------------------------------|-----------|

| | |
|--------------------------------------|----------------------|
| Viscosity / kinematic: (at 40 °C) | 4 mm ² /s |
|--------------------------------------|----------------------|

| | |
|-------------------|--------------|
| Water solubility: | emulsifiable |
|-------------------|--------------|

| | |
|--------------------------------|----------|
| Vapour pressure: (at 20 °C) | <0,1 hPa |
|--------------------------------|----------|

| | | |
|---------------------|------------------------|-----------|
| Density (at 20 °C): | 0,87 g/cm ³ | DIN 51757 |
|---------------------|------------------------|-----------|

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 Regulation (EC) No 1272/2008
ATEmix tested

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

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ATEmix calculated

ATE (inhalation dust/mist) 1,515 mg/l

Acute toxicity

| CAS No | Chemical name | | | | |
|------------|---|------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 64742-46-7 | Distillates (peroleum), hydrotreated middle | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| | dermal | LD50 >2000 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 >2000 mg/l | Rat | | |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |

Irritation and corrosivity

Causes skin irritation.

May cause eye irritation with susceptible persons.

Sensitising effects

No data available

Practical experience

Harmful if inhaled.

SECTION 12: Ecological information
12.1. Toxicity

This product has no known eco-toxicological effects.

12.2. Persistence and degradability

no data available

12.3. Bioaccumulative potential

no data available

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 REACH, annex XIII.

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

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

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.

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

14.1. UN number or ID 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
 Transport category: 3
 Hazard No: 90
 Tunnel restriction code: -

Inland waterways transport (ADN)

14.1. UN number or ID 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 or ID 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-TI/IATA-DGR)

14.1. UN number or ID number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Distillates (petroleum), hydrotreated middle; Gasoil - unspecified)

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14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Special Provisions:

A97 A158 A197 A215

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y964

Excepted quantity:

E1

IATA-packing instructions - Passenger:

964

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
EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2004/42/EC (VOC):

0%

National regulatory information

Water hazard class (D):

2 - obviously 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): 1,2,9,12,14.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Acute Tox. 4; H332 | Calculation method |
| Asp. Tox. 1; H304 | Calculation method |
| Skin Irrit. 2; H315 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

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:

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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 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.)