

**Acecut 5250 Cutting fluid**

Revision date: 03/18/2022

Product code: BO5002844

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

Acecut 5250 Cutting fluid

**Further trade names**

 BO 5002844, 5 l  
 BO 5002804, 30 l  
 BO 5002834, 200 l

**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**
**Regulation (EC) No 1272/2008**

Hazard categories:  
 Flammable liquids: Flam. Liq. 3  
 Aspiration hazard: Asp. Tox. 1  
 Hazard Statements:  
 Flammable liquid and vapor  
 May be fatal if swallowed and enters airways

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

 Decane,  
 Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics

**Signal word:** Danger

**Pictograms:**


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**Hazard statements**

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

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P240 Ground/bond container and receiving equipment.  
 P233 Keep container tightly closed.  
 P243 Take precautionary measures against static discharge.  
 P241 Use explosion-proof lighting equipment.  
 P242 Use only non-sparking tools.  
 P301+P310 If swallowed: Immediately call a poison center/doctor.  
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 P331 Do NOT induce vomiting.  
 P370+P378 In case of fire: Use Water spray jet to extinguish.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container to hazardous or special waste collection point.

**Special labelling of certain mixtures**

EUH066 Repeated exposure may cause skin dryness or cracking.

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

Petroleum distillates

**Hazardous components**

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
1174522-15-6	Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics			35 - < 40 %
	927-285-2		01-2119480162-45	
	Asp. Tox. 1; H304 EUH066			
	Hydrocarbons, C11-C14, isoalkanes, <2% aromatics			35 - < 40 %
	920-901-0		01-2119456810-40	
	Asp. Tox. 1; H304 EUH066			
124-18-5	Decane			15 - < 20 %
	204-686-4		01-2119474199-26	
	Flam. Liq. 3, Asp. Tox. 1; H226 H304 EUH066			
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether			5 - < 10 %
	225-878-4	603-052-00-8	01-2119475527-28	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
64742-47-8	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics			5 - < 10 %
	926-141-6		01-2119456620-43	
	Asp. Tox. 1; H304			

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	Components	Quantity
		Specific Conc. Limits, M-factors and ATE	
1174522-15-6	927-285-2	Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics	39 %
		inhalation: LC50 = >5000 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
64742-47-8	926-141-6	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics	5 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	

**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

**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

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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 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.

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.

Protect from direct sunlight.

**Hints on joint storage**

Do not store together with oxidizing agents

**Further information on storage conditions**

Recommended storage temperature: 5 - 40°C

**Specific end use(s)**

cutting fluid

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**8. Exposure controls/personal protection**

**Control parameters**

**DNEL/DMEL values**

CAS No.	Substance	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 <sup>3</sup>

**PNEC values**

CAS No.	Substance	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

**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

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Odor: like: Hydrocarbons

**Test method**
**Changes in the physical state**

Melting point/freezing point: &lt; -20 °C

Boiling point or initial boiling point and boiling range: &gt;180 °C

Flash point: 59 °C ISO 2719

Lower explosion limits: 0,4 vol. %

Upper explosion limits: 7 vol. %

Auto-ignition temperature: &gt;270 °C DIN 51794

**Self-ignition temperature**

not auto-flammable

pH-Value (at 20 °C): 6-7

 Viscosity / kinematic: 2 mm<sup>2</sup>/s  
 (at 40 °C)

Water solubility: insoluble

 Density: 0,76 g/cm<sup>3</sup> DIN 51757

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

Vapors may form explosive mixtures with air.

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

No dangerous reaction known under conditions of normal use.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Vapours may form explosive mixtures with air.

**Conditions to avoid**

Heat, flames and sparks.

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

oxidizing agents

**Hazardous decomposition products**

No decomposition if used as directed.

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

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**Acute toxicity**

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
1174522-15-6	Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >5000 mg/l	Rat		
64742-47-8	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**

May cause eye irritation with susceptible persons.

**Information on other hazards**

**Other information**

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**12. Ecological information**

**Ecotoxicity**

This product has no known eco-toxicological effects.

**Bioaccumulative potential**

Bioaccumulation is unlikely.

**Mobility in soil**

No data available

**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.

**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**

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

**13. Disposal considerations**

**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.

**14. Transport information**

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**Land transport (ADR/RID)**

**UN number or ID number:** UN 3295  
**UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Contains: Decane)  
**Transport hazard class(es):** 3  
**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)**

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



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

**Marine transport (IMDG)**

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



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

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

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



Special Provisions: A3 A324



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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

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**15. Regulatory information**

**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%

**National regulatory information**

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

**Chemical Safety Assessment**

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

**16. Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 1,9,12,14.

**Relevant H statements (full text)**

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
EUH066	Repeated exposure may cause skin dryness or cracking.

**Other data**

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.)*