

according to Regulation (EC) No 1907/2006

Acecut 5250 Cutting fluid

Revision date: 21.06.2018

Product code: BO5002844

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

Acecut 5250 Cutting fluid

Further trade names

BO 5002844, 5 l
BO 5002804, 30 l
BO 5002834, 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.com	
Responsible Department:	Chemie	

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

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

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

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

Signal word: Danger**Pictograms:****Hazard statements**

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

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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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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.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

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

Petroleum distillates

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
	Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics			25-50%
	927-285-2		01-2119480162-45	
	Asp. Tox. 1; H304 EUH066			
	Hydrocarbons, C11-C14, isoalkanes, <2% aromatics			25-50%
	920-901-0		01-2119456810-40	
	Asp. Tox. 1; H304 EUH066			
124-18-5	Decane			10-25%
	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			
	Hydrocarbons, C11-C14, n-alkane, isoalkanes, cyclics, <2% aromatics			2,5-10%
	926-141-6		01-2119456620-43	
	Asp. Tox. 1; H304			

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.

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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.
Repeated exposure may cause skin dryness or cracking.

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) (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.

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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.
 Protect against direct sunlight.

Advice on storage compatibility

Do not store together 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

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 ³

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

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust 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

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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:	colourless
Odour:	like: Hydrocarbons

pH-Value: not applicable

Changes in the physical state

Melting point: < -20 °C

Initial boiling point and boiling range: >180 °C

Flash point: 59 °C ISO 2719

Lower explosion limits: 0,4 vol. %

Upper explosion limits: 7 vol. %

Ignition temperature: >270 °C DIN 51794

Auto-ignition temperature not auto-flammable

Vapour pressure:
(at 20 °C) <2 hPa

Density: 0,76 g/cm³ DIN 51757

Water solubility: insoluble

Viscosity / dynamic:
(at 20 °C) 2 mPa·s DIN 54453

Viscosity / kinematic:
(at 40 °C) <2 mm²/s

9.2. Other information

Vapours can form explosive mixtures with air.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Heat, flames and sparks.

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

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

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 >5000 mg/l	Rat		
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether				
	oral	LD50 >2000 mg/kg	Rat	OECD 423	
	dermal	LD50 >2000 mg/kg	Rat	OECD 402	
	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.

Practical experience

Other observations

Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1. Toxicity

This product has no known eco-toxicological effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
5131-66-8	3-butoxypropan-2-ol, propylene glycol monobutyl ether					
	Acute fish toxicity	LC50 mg/l	>100	96 h	Pimephales promelas (fathead minnow)	
	Acute crustacea toxicity	EC50 mg/l	>1000	48 h	Daphnia magna (Big water flea)	

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

Water hazard class (WGK) 1: slightly water endangering
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 3295

14.2. UN proper shipping name:

HYDROCARBONS, LIQUID, N.O.S. (Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrodesulfurized heavy)

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:

UN 3295

14.2. UN proper shipping name:

HYDROCARBONS, LIQUID, N.O.S. (Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrodesulfurized heavy)

14.3. Transport hazard class(es):

3

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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: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrodesulfurized heavy)

14.3. Transport hazard class(es): 3

14.4. Packing group: III
 Hazard label: 3



Marine pollutant: no
 Special Provisions: 223
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Low boiling point hydrogen treated naphtha, Naphtha (petroleum), hydrodesulfurized heavy)

14.3. Transport hazard class(es): 3

14.4. Packing group: III
 Hazard label: 3



Special Provisions: A3 A224
 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

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2004/42/EC (VOC): 100%

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): 1 - slightly 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)**

H226	Flammable liquid and vapour.
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.

Further Information

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.)