

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 1 of 7

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

Cutting fluid Acecut 4153

Further trade names

BO 5002802, 30 l

BO 5002832, 200 l

UFI: YTQ2-E1DP-900D-E5JU

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

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

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

White mineral oil

Signal word: Danger

Pictograms:

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

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.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor.

Labelling of packages where the contents do not exceed 125 ml

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 2 of 7

Signal word: Danger

Pictograms:



Hazard statements

H304

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Petroleum distillates, emulsifier

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
8042-47-5	White mineral oil			95 - < 100 %
	232-455-8		01-2119487078-27	
	Asp. Tox. 1; H304			

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		
8042-47-5	232-455-8	White mineral oil	95 - < 100 %
	inhalation: LC50 = >5 mg/l (vapours); 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.

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 3 of 7

@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

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 4 of 7

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

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
8042-47-5	White mineral oil			
	Consumer DNEL, long-term	oral	systemic	40 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	92 mg/kg bw/day
	Worker DNEL, long-term	dermal	systemic	220 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	35 mg/m ³
	Worker DNEL, long-term	inhalation	systemic	160 mg/m ³

PNEC values

CAS No	Substance	Value
8042-47-5	White mineral oil	

8.2. 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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 5 of 7

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.

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

Physical state:	liquid
Colour:	colourless- light yellow
Odour:	like: Hydrocarbons

Test method
Changes in the physical state

Melting point/freezing point: no data available

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

Flash point: >90 °C

Auto-ignition temperature: no data available

Self-ignition temperature >270°C

pH-Value: not applicable

Viscosity / kinematic: <16 mm²/s DIN 51562
(at 40 °C)

Water solubility: emulsifiable

Density (at 20 °C): 0,85 g/cm³ 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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 6 of 7

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
8042-47-5	White mineral oil				
	oral	LD50 >5000 mg/kg	Rat	OECD 401	
	dermal	LD50 >2000 mg/kg	Rabbit	OECD 402	
	inhalation (4 h) vapour	LC50 >5 mg/l	Rat	OECD 403	

Irritation and corrosivity

May cause eye irritation with susceptible persons.

SECTION 12: Ecological information
12.1. Toxicity

This product has no known eco-toxicological effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
8042-47-5	White mineral oil					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Leuciscus idus (golden orfe)	OECD 203	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202	
	Algae toxicity	NOEC >=100 mg/l	3 d	Pseudokirchneriella subcapitata		

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cutting fluid Acecut 4153

Revision date: 18.03.2022

Product code: BO5002832

Page 7 of 7

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: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

Other applicable information

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

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

2004/42/EC (VOC): 0%

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): 2.

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

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

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.)