

**Cutting fluid Acecut 4153**

Revision date: 03/18/2022

Product code: BO5002832

Page 1 of 8

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

Cutting fluid Acecut 4153

**Further trade names**

BO 5002802, 30 l

BO 5002832, 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**

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

**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/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

## Cutting fluid Acecut 4153

Revision date: 03/18/2022

Product code: BO5002832

Page 2 of 8

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

Signal word: Danger

Pictograms:



Hazard statements

H304

### 3. Composition/information on ingredients

#### Mixtures

##### Chemical characterization

Petroleum distillates, emulsifier

##### Hazardous components

CAS No	Components			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	Components	Quantity
	Specific Conc. Limits, M-factors and ATE		
8042-47-5	232-455-8	White mineral oil	99 %
	inhalation: LC50 = >5 mg/l (vapours); dermal: LD50 = >2000 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.

**Cutting fluid Acecut 4153**

Revision date: 03/18/2022

Product code: BO5002832

Page 3 of 8

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 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.

**Cutting fluid Acecut 4153**

Revision date: 03/18/2022

Product code: BO5002832

Page 4 of 8

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

**8. Exposure controls/personal protection**

**Control parameters**

**DNEL/DMEL values**

CAS No.	Substance			
DNEL type	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 <sup>3</sup>	
Worker DNEL, long-term	inhalation	systemic	160 mg/m <sup>3</sup>	

**PNEC values**

CAS No.	Substance		
Environmental compartment	Value		
8042-47-5	White mineral oil		

**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

**Cutting fluid Acecut 4153**

Revision date: 03/18/2022

Product code: BO5002832

Page 5 of 8

**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.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state:	liquid
Color:	colourless- light yellow
Odor:	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 mm<sup>2</sup>/s DIN 51562  
(at 40 °C)

Water solubility: emulsifiable

Density (at 20 °C): 0,85 g/cm<sup>3</sup> DIN 51757

**10. Stability and reactivity**

**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**Possibility of hazardous reactions**

Vapors may form explosive mixtures with air.

**Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protect from direct sunlight.

## Cutting fluid Acecut 4153

Revision date: 03/18/2022

Product code: BO5002832

Page 6 of 8

**Incompatible materials**

oxidizing agents

**Hazardous decomposition products**

No decomposition if used as directed.

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

CAS No	Components					
	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.

**12. Ecological information****Ecotoxicity**

This product has no known eco-toxicological effects.

CAS No	Components					
	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		

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**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.

**Cutting fluid Acecut 4153**

Revision date: 03/18/2022

Product code: BO5002832

Page 7 of 8

**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**

**Land transport (ADR/RID)**

**UN number or ID number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

No dangerous good in sense of this transport regulation.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

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

**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

2004/42/EC (VOC): 0%

**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): 2.

**Classification for mixtures and used evaluation method according to GHS**

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

**Relevant H statements (full text)**

H304 May be fatal if swallowed and enters airways

**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.

**Cutting fluid Acecut 4153**

Revision date: 03/18/2022

Product code: BO5002832

Page 8 of 8

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*