

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 1 of 9

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

Machine Maintenance Cleaner Aceclean 6670

UFI: 1M6V-F0WS-Y00X-M77W

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture

cleaning agent

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	

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

Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause respiratory irritation.

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

methanesulphonic acid

Signal word: Danger

Pictograms:

Hazard statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 2 of 9

H335 May cause respiratory irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P271 Use only outdoors or in a well-ventilated area.
 P264 Wash hands thoroughly after handling.
 P234 Keep only in original packaging.
 P270 Do not eat, drink or smoke when using this product.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P390 Absorb spillage to prevent material damage.
 P363 Wash contaminated clothing before reuse.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P310 Immediately call a POISON CENTER/doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P406 Store in a corrosion-resistant container with a resistant inner liner.
 P405 Store locked up.
 P501 Dispose of contents/container to hazardous or special waste collection point.

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

Pictograms:

Hazard statements

H314

Precautionary statements

P280-P305+P351+P338-P303+P361+P353-P363-P301+P330+P331-P310-P304+P340

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

Acid / Surfactant in aqueous solution

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
75-75-2	methanesulphonic acid			<50 %
	200-898-6	607-145-00-4		
	Skin Corr. 1B; H314			

Full text of H and EUH statements: see section 16.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 3 of 9

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
75-75-2	200-898-6	methanesulphonic acid	<50 %
		oral: LD50 = >1000 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants.

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Take off immediately all contaminated clothing.
Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air.
If unconscious but breathing normally, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

After contact with skin

Wash with plenty of water.
If skin irritation persists, call a physician.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. If symptoms persist, call a physician.

After ingestion

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).
Rinse mouth. Let water be drunken in little sips (dilution effect).
Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

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, Water spray jet, alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Carbon dioxide, Sulphur oxides

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 4 of 9

General measures

Provide adequate ventilation. Wear personal protective equipment.

6.2. Environmental precautions

Do not empty into drains.

Avoid subsoil penetration.

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**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide sufficient air exchange and/or exhaust in work rooms.

Provide eye shower and label its location conspicuously

Advice on protection against fire and explosion

Usual measures for fire prevention.

The product itself does not burn.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place.

Protect from direct sunlight.

Always close containers tightly after the removal of product.

Keep away from: strong acids and strong bases, oxidizing agents

Suitable container/equipment material: Refined steel 1.4301, PP (Polypropylene), PE (polyethylene), Glass

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Do not store together with: Alkali (lye)

Further information on storage conditions

storage temperature: 5°C - 40°C

7.3. Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 5 of 9

PNEC values

CAS No	Substance	
Environmental compartment		Value
75-75-2	methanesulphonic acid	
Freshwater		0,012 mg/l
Marine water		0,0012 mg/l
Freshwater sediment		0,0251 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,00183 mg/kg

8.2. Exposure controls
Appropriate engineering controls

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

Protective and hygiene measures

Provide adequate ventilation. Do not breathe vapour/aerosol.
 Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately.
 Keep away from food, drink and animal feedingstuffs. When using do not eat or drink.
 Do not smoke. Wash hands before breaks and at the end of workday.

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.

Recommended material: Butyl caoutchouc (butyl rubber), 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

impervious clothing DIN EN 13034

Chemical resistant safety shoes

Respiratory protection

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Environmental exposure controls

Do not allow to enter into surface water or drains.

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

Physical state: liquid
 Colour: colourless
 Odour: very faint

Test method

pH-Value (at 20 °C): 1

Changes in the physical state

Flash point: not applicable

Explosive properties

Not explosive

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 6 of 9

Self-ignition temperature

not auto-flammable

Oxidizing properties

Not oxidising.

Density (at 20 °C):

 1,17 g/cm³ DIN 51757

Water solubility:

very soluble

 Viscosity / dynamic:
(at 20 °C)

6 mPa·s

9.2. Other information
SECTION 10: Stability and reactivity
10.1. Reactivity

Corrosive to metals.

10.2. Chemical stability

No decomposition if used as directed.

10.3. Possibility of hazardous reactions

Gives off hydrogen by reaction with metals. Exothermic reaction with: bases

10.4. Conditions to avoid

Protect from frost, heat and sunlight. Metal, base

10.5. Incompatible materials

Materials to avoid:

strong acids and strong bases , metals , Oxidizing agent

10.6. Hazardous decomposition products

 extreme temperatures: Carbon monoxide Carbon oxides nitrogen oxides (NO_x)

No decomposition if used as directed.

SECTION 11: Toxicological information
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	
75-75-2	methanesulphonic acid					
	oral	LD50 mg/kg	>1000	Rat		

SECTION 12: Ecological information
12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
75-75-2	methanesulphonic acid					
	Acute fish toxicity	LC50 mg/l	10-100	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute crustacea toxicity	EC50 mg/l	10-100	48 h	Daphnia	OECD 202

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 7 of 9

(EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility in soil

No data available

12.7. Other adverse effects

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
Disposal recommendations

In accordance with local and national regulations.

Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging

In accordance with local and national regulations.

SECTION 14: Transport information
Land transport (ADR/RID)
14.1. UN number:

UN 3265

14.2. UN proper shipping name:

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: methanesulphonic acid)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C3

Special Provisions:

274

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

Inland waterways transport (ADN)
14.1. UN number:

UN 3265

14.2. UN proper shipping name:

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: methanesulphonic acid)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C3

Special Provisions:

274

Limited quantity:

1 L

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 8 of 9

Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 3265
14.2. UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: methanesulphonic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-A, S-B
 Segregation group: 1 - acids

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3265
14.2. UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Contains: methanesulphonic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Special Provisions: A3 A803
 Limited quantity Passenger: 0.5 L
 Passenger LQ: Y840
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 851
 IATA-max. quantity - Passenger: 1 L
 IATA-packing instructions - Cargo: 855
 IATA-max. quantity - Cargo: 30 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

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): 0%

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Machine Maintenance Cleaner Aceclean 6670

Revision date: 28.09.2021

Product code: BO5002870

Page 9 of 9

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Met. Corr. 1; H290	
Acute Tox. 4; H302	
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data
STOT SE 3; H335	

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

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.)