

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Machine Maintenance Cleaner Aceclean 6670**

Revision date: 28.09.2021

Product code: BO5002870

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**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.

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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.

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**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**

&lt; 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 (CO<sub>2</sub>), 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**

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**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**

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**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

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**Self-ignition temperature**

not auto-flammable

**Oxidizing properties**

Not oxidising.

Density (at 20 °C):

 1,17 g/cm<sup>3</sup> 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<sub>x</sub>)

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 >1000 mg/kg	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 10-100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD 203
	Acute crustacea toxicity	EC50 10-100 mg/l	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

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(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

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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



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**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.)*