

# Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 3.0

Product: **ACECLEAN 6670**

(ID no. 864877/SDS\_GEN\_00/EN)

Date of print 19.01.2023

## 1. Identification

### Product identifier

## **ACECLEAN 6670**

Recommended use: Detergents

Not recommended use: Uses other than recommended

### Details of the supplier of the safety data sheet

Company:

Chemetall Pty Ltd.  
5 Seller Road Boksburg East,  
Gauteng, 1459  
SOUTH AFRICA  
Tel: +27 (0) 11-914-2500  
Fax: +27 (0) 11-914-4792  
Email: Dalibor.skalic@basf.com

### Emergency telephone number

International emergency number:

+49 180 2273-112

Telephone: +27(0)82-800-9294/+27(0)82-551-5444

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 4 (oral)

Acute Tox. 5 (dermal)

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| Skin Corr./Irrit. 1A  
Eye Dam./Irrit. 1  
STOT SE 3 (irritating to respiratory system)  
Aquatic Acute 3  
Met. Corr. 1

For the classifications not written out in full in this section the full text can be found in section 16.

## Label elements

### Globally Harmonized System, UN (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H314	Causes severe skin burns and eye damage.
H313	May be harmful in contact with skin.
H302	Harmful if swallowed.
H402	Harmful to aquatic life.
H290	May be corrosive to metals.
H335	May cause respiratory irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P260	Do not breathe dust or mist.
P270	Do not eat, drink or smoke when using this product.
P234	Keep only in original packaging.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

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): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER or physician.
P330	Rinse mouth
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.

Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P406 Store in corrosive resistant container with a resistant inner liner.

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards**According to UN GHS criteria

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

**3. Composition/Information on Ingredients****Substances**

Not applicable

**Mixtures**Chemical nature

organic compounds, Water, polymers, organic acids

Hazardous ingredients (GHS)

According to UN GHS criteria

## Methanesulphonic acid

Content (W/W): $\geq 30\%$ - $< 50\%$	Met. Corr. 1
CAS Number: 75-75-2	Acute Tox. 4 (oral)
EC-Number: 200-898-6	Acute Tox. 4 (dermal)
INDEX-Number: 607-145-00-4	Skin Corr./Irrit. 1B
	Eye Dam./Irrit. 1
	STOT SE 3 (irr. to respiratory syst.)
	Aquatic Acute 3
	H290, H335, H314, H302 + H312, H402

For the classifications not written out in full in this section the full text can be found in section 16.

**4. First-Aid Measures****Description of first aid measures**

Keep warm, calm and covered up. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

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If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Immediate medical attention required.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

### **Most important symptoms and effects, both acute and delayed**

Symptoms: irritation of respiratory tract, skin corrosion, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

### **Indication of any immediate medical attention and special treatment needed**

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

### **Special hazards arising from the substance or mixture**

carbon oxides, sulfur oxides

Hazardous decomposition products formed under fire conditions.

### **Advice for fire-fighters**

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

### Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

The relevant fire protection measures should be noted.

### Conditions for safe storage, including any incompatibilities

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stainless steel 1.4301 (V2), Polypropylene (PP), Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), glass

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Store only in corrosion proof containers. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. avoid contact with metals Store protected against freezing.

Storage stability:

Storage temperature: 0 - 40 °C

### Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with occupational exposure limits

No occupational exposure limits known.

### Exposure controls

#### Personal protective equipment

Respiratory protection:

Respiratory protection required if exposure limit (if available) may be exceeded (Gas filter EN 14387 A)

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

nitrile rubber (NBR) - 0.4 mm coating thickness

butyl rubber (butyl) - 0.7 mm coating thickness

Performance level 6, corresponding to a breakthrough time of >480 min according to EN ISO 374-1

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

#### General safety and hygiene measures

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	liquid
Colour:	colourless
Odour:	slight odour
Odour threshold:	
	not determined
pH value:	1,0 (20 °C) (undiluted)

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Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	not applicable, The product has not been tested. The statement has been derived from the properties of the individual components.	(ISO 3679)
Flammability:	not applicable	
Lower explosion limit:	not determined	
Upper explosion limit:	not determined	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1,165 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Lighter than air.	
Solubility in water:	soluble	
Partitioning coefficient n-octanol/water (log Kow):	not applicable for mixtures	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	6 mPa*s (20 °C)	(DIN 54453)
Viscosity, kinematic:	(40 °C) not determined	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

### Other information

Self heating ability: It is not a material capable of spontaneous heating

Miscibility with water: miscible

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effect on metals.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**

Reacts with metals, with evolution of hydrogen.

**Conditions to avoid**

Avoid direct sunlight. avoid contact with metals Avoid freezing.

**Incompatible materials**

Substances to avoid:

metal, Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous decomposition products**

Possible decomposition products:

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Of low toxicity after short-term skin contact.

Irritation

Assessment of irritating effects:

May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Highly corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity



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Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

#### Aspiration hazard

No aspiration hazard expected.

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## 12. Ecological Information

### **Toxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

No data available concerning biodegradation and elimination.

### **Bioaccumulative potential**

Bioaccumulation potential:

No data available.

### **Mobility in soil**

Assessment transport between environmental compartments:

Adsorption in soil: No data available.

### **Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

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### Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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## 13. Disposal Considerations

### Waste treatment methods

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Land transport

ADR

UN number or ID number: UN3265  
UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(METHANESULPHONIC ACID)

Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: no  
Special precautions for user: Tunnel code: E

RID

UN number or ID number: UN3265  
UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(METHANESULPHONIC ACID)

Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: no  
Special precautions for user: None known

### Inland waterway transport

ADN

UN number or ID number: UN3265  
UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
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Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: no  
Special precautions for user: None known

#### Transport in inland waterway vessel

Not evaluated

#### **Sea transport**

##### IMDG

UN number or ID number: UN 3265  
UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(METHANESULPHONIC ACID)

Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-A; S-B

#### **Air transport**

##### IATA/ICAO

UN number or ID number: UN 3265  
UN proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(METHANESULPHONIC ACID)

Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

#### **Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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## 15. Regulatory Information

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not applicable

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## 16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Met. Corr.	Corrosive to metals
H290	May be corrosive to metals.
H335	May cause respiratory irritation.
H314	Causes severe skin burns and eye damage.
H302 + H312	Harmful if swallowed or in contact with skin
H402	Harmful to aquatic life.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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