

## Safety data sheet

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

Date / Revised: 28.09.2021

Version: 2.1

Product: **Acedet 5509**

(ID no. 30691120/SDS\_GEN\_00/EN)

Date of print 13.09.2022

### 1. Identification

#### Product identifier

#### **Acedet 5509**

Recommended use: Glass cleaners

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

Skin Corr./Irrit. 3  
Eye Dam./Irrit. 1

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Aquatic Acute 2

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:

H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection or face protection.

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.
P310	Immediately call a POISON CENTER or physician.
P332 + P313	If skin irritation occurs: Get medical attention.

Precautionary Statements (Disposal):

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

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## 3. Composition/Information on Ingredients

### Substances

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Not applicable

**Mixtures**Chemical nature

Water, polymers, organic solvent

Hazardous ingredients (GHS)

According to UN GHS criteria

## 2-(2-Butoxyethoxy)ethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Acute Tox. 5 (oral)
CAS Number: 112-34-5	Acute Tox. 5 (dermal)
EC-Number: 203-961-6	Skin Corr./Irrit. 3
INDEX-Number: 603-096-00-8	Eye Dam./Irrit. 2A
	H319, H316, H303 + H313

## Alcohols, C12-15-branched and linear, ethoxylated propoxylated

Content (W/W): $\geq 5\%$ - $< 7\%$	Skin Corr./Irrit. 2
CAS Number: 120313-48-6	Eye Dam./Irrit. 1
	Aquatic Acute 1
	Aquatic Chronic 3
	M-factor acute: 1
	H318, H315, H412, H400

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**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

## If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

## On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

## On contact with eyes:

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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:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

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

Symptoms: 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.

### **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

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

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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:

Avoid all sources of ignition: heat, sparks, open flame. 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: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2)  
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. 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. 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

112-34-5: 2-(2-Butoxyethoxy)ethanol

### 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 gloves - material thickness: 0.5 mm

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:	faint odour

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pH value:	7,0 (20 °C) (undiluted)	
Melting point:	< 0 °C	
onset of boiling:	> 100 °C	
Flash point:	> 100 °C	(ISO 3679)
Flammability:	hardly combustible	
Lower explosion limit:	not determined	
Ignition temperature:	not determined	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1,010 g/cm <sup>3</sup> (20 °C)	(DIN 51757)
Self ignition:	not self-igniting	
Viscosity, dynamic:	4 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 substance capable of spontaneous heating.

Miscibility with water:  
miscible

## 10. Stability and Reactivity

### Reactivity

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

### Chemical stability

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

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

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**Conditions to avoid**

Avoid direct sunlight. Avoid freezing.

**Incompatible materials**

Substances to avoid:

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:

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

*Information on: 2-(2-Butoxyethoxy)ethanol*

*Experimental/calculated data:*

*LD50 rabbit (dermal): 2.764 mg/kg (OECD Guideline 402)*

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Irritation

Assessment of irritating effects:

May cause severe damage to the eyes. Skin contact causes slight irritation.

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

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:

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

#### 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:

Toxic 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.

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### 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.

### Other adverse effects

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

### Additional information

Adsorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen.

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## 13. Disposal Considerations

### Waste treatment methods

Observe national and local legal requirements.  
No disposal via sewage or waste water systems.

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

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable

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UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Inland waterway transport**

ADN

Not classified as a dangerous good under transport regulations

UN number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Transport in inland waterway vessel**

Not evaluated

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

UN number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

UN number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

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user

### Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

## 15. Regulatory Information

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

Not applicable

## 16. Other Information

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

Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H319	Causes serious eye irritation.
H316	Causes mild skin irritation.
H303 + H313	May be harmful if swallowed or in contact with skin
H318	Causes serious eye damage.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.
H400	Very toxic 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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