

# Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 16.04.2019

Version: 1.0

Product: **ACEDET 5509**

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

Date of print 19.11.2019

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

## **ACEDET 5509**

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

Recommended use: Detergents

Not recommended use: None known

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

Company:

Chemetall GmbH  
Trakehner Straße, 3  
60487, Frankfurt am Main  
Germany  
+49(0)69 7165-0  
sds.global-chemetall@basf.com

Contact address:

Chemetall Ltd.  
Denbigh Road 65  
Bletchley Milton Keynes MK1 1PB  
Great Britain

Telephone: +44 1908 649333

E-mail address: sds.global-chemetall@basf.com

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

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According to Regulation (EC) No 1272/2008 [CLP]

Eye Dam./Irrit. 1  
Aquatic Chronic 3

H318, H412

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

## 2.2. Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/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 doctor/physician.

Precautionary Statements (Disposal):

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

Fatty alcohol alkoxylate

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: Fatty alcohol alkoxylate, Fatty alcohol alkoxylate

## 2.3. Other hazards

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According to Regulation (EC) No 1272/2008 [CLP]

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.

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Chemical nature

surfactants, solvent(s)

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

2-(2-butoxyethoxy)ethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Eye Dam./Irrit. 2
CAS Number: 112-34-5	H319
EC-Number: 203-961-6	
REACH registration number: 01-2119475104-44	
INDEX-Number: 603-096-00-8	

Fatty alcohol alkoxyate

Content (W/W): $\geq 3\%$ - $< 5\%$	Skin Corr./Irrit. 2
CAS Number: 120313-48-6	Aquatic Acute 1
	Eye Dam./Irrit. 1
	Aquatic Chronic 2
	H315, H318, H410

Fatty alcohol alkoxyate

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Skin Corr./Irrit. 2
CAS Number: 120313-48-6	Aquatic Acute 1
	Eye Dam./Irrit. 1
	Aquatic Chronic 3
	H315, H318, H400, H412

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

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## **SECTION 4: First-Aid Measures**

### **4.1. Description of first aid measures**

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Immediately remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

On skin contact:

Wash affected areas thoroughly with soap and water. If symptoms persist, seek medical advice.

On contact with eyes:

Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Seek medical attention.

On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in section 2 and/or in section 11.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **SECTION 5: Fire-Fighting Measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

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

Unsuitable extinguishing media for safety reasons:

water jet

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

carbon oxides

### **5.3. Advice for fire-fighters**

Special protective equipment:

Appropriate breathing apparatus may be required.

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Further information:

Cool endangered containers with water-spray. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## SECTION 6: Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

### 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation. 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. Collect waste in suitable containers, which can be labeled and sealed.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). 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. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

### 7.2. Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place. Avoid direct sunlight. Keep away from heat. Protect from frost.

Storage stability:

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Storage temperature: 5 - 40 °C

### 7.3. 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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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Components with occupational exposure limits

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

STEL value 101.2 mg/m<sup>3</sup> ; 15 ppm (WEL/EH 40 (UK))

TWA value 67.5 mg/m<sup>3</sup> ; 10 ppm (WEL/EH 40 (UK))

TWA value 67.5 mg/m<sup>3</sup> ; 10 ppm (OEL (EU))

indicative

STEL value 101.2 mg/m<sup>3</sup> ; 15 ppm (OEL (EU))

indicative

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 A)

Hand protection:

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Chemical resistant protective gloves (EN 374)

Further information on penetration time is available from the manufacturer of the glove.

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

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

Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapour/spray. Avoid contact with the skin, eyes and clothing. Eye wash fountains and safety showers must be easily accessible. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

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## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless	
Odour:	characteristic	
pH value:	6.0 - 7.5 (10 g/l, 20 °C)	
softening range:	> 0 °C	
onset of boiling:	> 100.00 °C	
Flash point:	> 99 °C	
Flammability:	not applicable	
Ignition temperature:	not applicable	
Density:	1.010 g/cm <sup>3</sup> (20 °C)	
Self ignition:	not self-igniting	
Viscosity, dynamic:	approx. 4 mPa*s (< 20 °C)	(DIN 54453)

### 9.2. Other information

Miscibility with water:  
miscible

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

None if used for intended purpose.

### 10.4. Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight. Avoid prolonged exposure to extreme heat. Avoid freezing.

### 10.5. Incompatible materials

Substances to avoid:

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strong oxidizing agents

## 10.6. Hazardous decomposition products

Possible decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

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

#### Irritation

Assessment of irritating effects:

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

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)



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No data available.

#### 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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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. The mixture has been assessed following regulation (EC) No 1272/2008 and is classified for ecotoxicological properties accordingly. See sections 2 and 3 for details.

### **12.2. Persistence and degradability**

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

### **12.3. Bioaccumulative potential**

Bioaccumulation potential:

No data available.

### **12.4. Mobility in soil**

Assessment transport between environmental compartments:

Adsorption in soil: No data available.

### **12.5. 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.

### **12.6. Other adverse effects**

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

### 12.7. Additional information

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

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## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

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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## SECTION 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
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

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#### 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

#### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

#### **14.2. UN proper shipping name**

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See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### **14.7. 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

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### **SECTION 15: Regulatory Information**

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

##### Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 55, 3

#### **15.2. Chemical Safety Assessment**

For a mixture it is not mandatory to include an exposure scenario in the material safety data sheet.

The general risk management measures related to the physico-chemical hazard of the product are communicated in chapter 2-14 of this SDS; they are to be considered by the (downstream) user when assessing the risks in accordance with his specific operating conditions and workplace environment.

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### **SECTION 16: Other Information**

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

Eye Dam./Irrit.	Serious eye damage/eye irritation
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Skin Corr./Irrit.	Skin corrosion/irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: [sds.global-chemetall@basf.com](mailto:sds.global-chemetall@basf.com)

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