

Trade name: Acid sulfurosum 5% (4° Bé)

Substance number: 206500

Version: 5 / CH

Date revised: 16.12.2016

Replaces Version: 4 / CH

Print date: 16.12.16

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

1.1. Product identifier

Acid sulfurosum 5% (4° Bé)

Item No. 20650000

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

Use of the substance/preparation

Chemical

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1B H314

Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements ***

H314 Causes severe skin burns and eye damage.

Precautionary statements ***

P264.1 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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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.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Sulphurous acid

SECTION 3: Composition/information on ingredients *****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Sulphurous acid**

CAS No.	7782-99-2				
EINECS no.	231-973-1				
Concentration	>= 5	<	10		%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1B				H314
	Acute Tox. 4				H332

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

Adhere to personal protective measures when giving first aid. Remove affected person from danger area. Take off contaminated clothing and shoes immediately. Take affected person to fresh air.

After inhalation

Ensure supply of fresh air. If the patient is likely to become unconscious, place and transport in stable sideways position. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Take medical treatment.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings, Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Sulfuroxides (SO_x)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective equipment. Avoid contact with eyes and skin. Do not inhale vapours.

6.2. Environmental precautions

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation. Neutralize

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid formation of aerosols. Handle and open container with care. Keep container tightly closed. Avoid skin and eye contact. Product should be handled only by trained personnel.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Hold breathing apparatus.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container. Provide acid-resistant floor. Keep tightly closed in a dry and cool place.

Hints on storage assembly

Do not store with strong acids. Do not store with strong alkalies. Do not store together with: bases

Storage class according to TRGS 510

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Sulphur dioxide

List	SUVA			
Type	MAK			
Value	1.3	mg/m ³	0.5	ppm(V)
Short term exposure limit	1.3	mg/m ³	0.5	ppm(V)
Pregnancy group: S; Status: 2014				

Derived No/Minimal Effect Levels (DNEL/DMEL)

Sulphur dioxide

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Predicted No Effect Concentration (PNEC)**Sulphur dioxide****8.2. Exposure controls****General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Avoid contact with skin and eyes. Wash hands and face before breaks and after work. Remove contaminated, soaked clothing immediately and dispose of safely.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus in the event of vapours.

Hand protection

Gloves (acid-resistant)
Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.
Butyl rubber - Butyl

Appropriate Material

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing; Acid-resistant protective clothing

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

Form	liquid		
Colour	colourless		
Odour	pungent		
pH value			
Value	appr. 1		
Melting point			
Remarks	not determined		
Initial boiling point and boiling range			
Value	100		°C
Flash point			
Value			°C
Remarks	Not applicable		
Flammability (solid, gas)			
Not self inflammable			
Density			
Value	1.03		g/cm ³
Temperature	20		°C
Solubility in water			
Remarks	Completely miscible		
Ignition temperature			
Remarks	not determined		

9.2. Other information

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Other information

The product is not dangerous for explosions.

SECTION 10: Stability and reactivity**10.1. Reactivity**

In aqueous solution, evolves hydrogen with metals.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Air. Heat

10.5. Incompatible materials

Bases, Acids, Reactions with metals, with evolution of hydrogen.

10.6. Hazardous decomposition productssulphurous oxides (SO_x)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute inhalational toxicity**

ATE	>	100	mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		
ATE	>	20	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute inhalative toxicity (Components)**Sulphur dioxide**

Species	rat		
LC50		2528.5	mg/m ³

Skin corrosion/irritation

Remarks Strong corrosive action on the skin and mucous membrane.

Serious eye damage/irritation

evaluation strongly corrosive
Remarks Corrosive

Sensitization

Remarks No sensitisation effect known.

Carcinogenicity

Remarks No evidence available on carcinogenicity.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks No data available.

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12.6. Other adverse effects**General information / ecology**

Product is hazardous to water. Do not allow it to reach ground water, water bodies or sewage system.
Hazard for drinking water supplies.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code No not dispose with rubbish.
EWC waste code Should not be released into the sanitary sewer system.
In accordance with regulations for special waste, must be taken to an authorised special waste disposal site.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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

UN 1833

14.2. UN proper shipping name

SULPHUROUS ACID

14.3. Transport hazard class(es)

Class 8
Label 8

14.4. Packing group

Packing group II
Limited Quantity 1 I
Transport category 2
Tunnel restriction code E

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1833

14.2. UN proper shipping name

SULPHUROUS ACID

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group II

Air transport ICAO/IATA**14.1. UN number**

UN 1833

14.2. UN proper shipping name

SULPHUROUS ACID

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group II

SECTION 15: Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Water Hazard Class (Germany)**

Water Hazard Class WGK 3

(Germany)

Remarks Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

Skin Corr. 1B Skin corrosion, Category 1B

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.