

Trade name: Natrii sulfas anhydricus

Substance number: 066576

Version: 2 / CH

Date revised: 20.04.2018

Replaces Version: 1 / CH

Print date: 20.04.18

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

### **1.1. Product identifier**

Natrii sulfas anhydricus

Item No. 06657600

#### **Registration no. \*\*\***

EC No.: 231-820-9

CAS No. 7757-82-6

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

#### **Use of the substance/preparation**

Manufacture of pharmaceutical products, food additive

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

#### **Address**

Hänseler AG

Industriestrasse 35

9100 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**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

## **SECTION 3: Composition/information on ingredients**

### **Molecular weight**

Value 142.04 g/mol

### **Further ingredients**

#### **Sodium sulphate**

CAS No. 7757-82-6

EINECS no. 231-820-9

Registration no. 01-2119519226-43

Concentration &gt;= 95 %

Advice: [4]

#### **Advice:**

[4] Voluntary information

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## **SECTION 4: First aid measures**

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

#### **After inhalation**

Remove the casualty into fresh air and keep him calm.

#### **After skin contact**

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely.

#### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

#### **After ingestion**

Let plenty of water be drunk in small gulps. By continuous complaints consult a physician.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Extinguishing measures to suit surroundings

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

The product is not combustible. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Sulfuroxides (SOx)

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

#### **Other information**

Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

## **SECTION 6: Accidental release measures**

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

Avoid dust formation. Do not inhale dust.

### **6.2. Environmental precautions**

Do not empty into drains.

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

Dampen, pick up mechanically and dispose of. Clean up affected area.

## **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).

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

#### **Requirements for storage rooms and vessels**

Keep in a dry place.

#### **Storage classes**

Storage class according to TRGS 510

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Non- combustible solids

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Storage category (Switzerland)

NG

Other solid hazardous substances  
without hazardous  
classification/labelling**Further information on storage conditions**

Keep container tightly closed.

**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely.

**Respiratory protection**

Breathing apparatus in the event of aerosol. Short term: filter apparatus, Filter P1

**Hand protection**

Gloves

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min

**Eye protection**

necessary

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

<b>Form</b>	solid		
<b>Colour</b>	white		
<b>Odour</b>	odourless		
<b>pH value</b>			
Value	4	to	7
Concentration/H <sub>2</sub> O	200	g/l	
Temperature	20	°C	
<b>Melting point</b>			
Value	888		°C
<b>Initial boiling point and boiling range</b>			
Remarks	Not applicable		
<b>Flash point</b>			
Remarks	Not applicable		
<b>Density</b>			
Value	2.70		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Solubility in water</b>			
Value	200		g/l
Temperature	20	°C	
<b>Ignition temperature</b>			
Remarks	Not applicable		
<b>Decomposition temperature</b>			
Value	> 888		°C

**9.2. Other information**

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**Other information**

Product is hygroscopic.

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

No decomposition if stored and applied as directed.

**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**

To avoid thermal decomposition, do not overheat.

**Decomposition temperature**

Value &gt; 888 °C

**10.5. Incompatible materials**

Risk of explosion with: Aluminium

**10.6. Hazardous decomposition products**In the event of fire the following can be released: sulphurous oxides (SO<sub>x</sub>)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****Sodium sulphate**

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 423	
Source	Literature value	

**Skin corrosion/irritation (Components)****Sodium sulphate**

Species	rabbit
evaluation	non-irritant
Method	OECD 404
Source	Literature value

**Serious eye damage/irritation (Components)****Sodium sulphate**

Species	rabbit
evaluation	slightly irritant
Method	OECD 405
Source	Literature value

**Mutagenicity (Components)****Sodium sulphate**

evaluation	No mutagenicity in the Ames-test.
Method	OECD 471
Source	Literature value

**Experience in practice**

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After Swallowing: nausea. vomiting. diarrhea. Inhalation of dusts may irritate the respiratory tract. Eye contact. Irritation

## **SECTION 12: Ecological information \*\*\***

### **12.1. Toxicity**

#### **Fish toxicity (Components)**

##### **Sodium sulphate**

Species	Gambusia affinis		
LC50	120		mg/l
Duration of exposure	96	h	
Source	Literature value		

#### **Daphnia toxicity (Components)**

##### **Sodium sulphate**

Species	Daphnia magna		
EC50	2564		mg/l
Duration of exposure	48	h	
Source	Literature value		

#### **Bacteria toxicity (Components)**

##### **Sodium sulphate**

Species	Pseudomonas putida		
EC10	> 1000		mg/l
Duration of exposure	16	h	
Source	Literature value		

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

#### **Evaluation of persistence and bioaccumulation potential (Components)**

##### **Sodium sulphate**

The Substance doesn't meets PBT/vPvB-criteria

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

#### **General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

#### **Disposal recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

## **SECTION 14: Transport information**

### **Land transport ADR/RID**

Non-dangerous goods

### **Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

### **Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

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**SECTION 15: Regulatory information \*\*\*****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

Derivation of WGK according to Annex 1 No. 5.2 AwSV

**SECTION 16: Other information****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.