



Trade name: Natrii sulfis anhydricus

Date revised: 22.12.10

Substance number: 066624

Version: 2 / CH

Date of printing: 22.12.10

## 01. Identification of the substance/preparation and of the company/undertaking

### Trade name

Natrii sulfis anhydricus

Item-No. 06662400

### Company/undertaking identification

#### Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

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

telephone

E-mail address sdb@haenseler.ch

## 02. Hazards identification

### Hazard symbols

Xi Irritant

### R phrases

31 Contact with acids liberates toxic gas.  
36/37 Irritating to eyes and respiratory system.

### Classification

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

Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H335 May cause respiratory irritation.

## 03. Composition / information on ingredients

### Substance / product identification

CAS-Nr. 7757-83-7

EINECS-Nr. 231-821-4

### Hazardous ingredients

## 04. First aid measures

### After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

### After skin contact

In general the product isn't skin irritating.

### After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. By continuous complaints consult a physician.

### After ingestion

By continuous complaints consult a physician.

## 05. Fire-fighting measures

### Suitable extinguishing media

Extinguishing measures to suit surroundings

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### Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Sulfuroxides (SO<sub>x</sub>)

### Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

## 06. Accidental release measures

### Personal precautions

Wear protective equipment. Keep away unprotected persons.

### Environmental precautions

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

### Methods for cleaning up

Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

## 07. Handling and storage

### Handling

#### Advice on safe handling

Avoid dust formation.

#### Advice on protection against fire and explosion

The product is not combustible.

### Storage

#### Requirements for storage rooms and vessels

No special requirements.

#### Hints on storage assembly

Do not store with oxidizing agents. Do not store with acids.

#### Further information on storage conditions

Keep container tightly closed. Store in a dry place

## 08. Expose controls/personal protection

### Exposure controls

See chapter 7. No measures exceeding the ones mentioned are necessary.

### General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Avoid contact with eyes and skin. Hold eye wash fountain available. Do not inhale dust. Do not inhale fumes. Do not inhale mist.

### Occupational exposure controls

#### Respiratory protection

Breathing apparatus in the event of aerosol, mist or fume formation. Particle filter P2

#### Hand protection

Protective gloves

Appropriate Material	Natural Latex	
Material thickness	0.5	mm
Appropriate Material	Polychloroprene	
Material thickness	0.5	mm
Appropriate Material	nitrile rubber - NBR	
Material thickness	0.35	mm
Appropriate Material	Butyl rubber - Butyl	



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Material thickness	0.5	mm
Appropriate Material	Fluoro carbon rubber - FKM	
Material thickness	0.4	mm
Appropriate Material	PVC	
Material thickness	0.5	mm

**Eye protection**

Safety glasses

**Skin protection**

Clothing as usual in the chemical industry.

**09. Physical and chemical properties****General information**

Form	Crystalline powder
Colour	colourless
Odour	odourless

**Important health, safety and environmental information****Flash point**

Remarks not applicable

**Boiling point**

Remarks not determined

**Melting point**

Remarks not determined

**Vapour pressure**

Remarks not applicable

**Density**

Value	1.5			g/cm <sup>3</sup>
temperature	20	°C		

**Bulk density**

Value	1400	to	1600	kg/m <sup>3</sup>
temperature	20	°C		

**Efflux time**

Remarks not applicable

**Solubility in water**

Value	220			g/l
temperature	20	°C		

**pH**

Remarks not applicable

**Flammability :**

Not ignitable

The product is not dangerous for explosions.

**10. Stability and reactivity****Conditions to avoid**

Protect from heat/overheating. Can react violent with oxygen rich (fire expediting) material. Risk of explosion.

**Materials to avoid**

Acids, Oxidising agents



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**Hazardous decomposition products**sulphurous oxides (SO<sub>x</sub>), Sodium sulfide, Sodium sulphate**11. Toxicological information****Acute toxicity / further data****Acute oral toxicity**

Species	rat		
LD50		2610	mg/kg

**Irritant/corrosive effects****Irritant effect on skin**

Remarks	Irritating effects on the skin and mucous membrane.
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**Irritant effect on eyes**

valuation	slightly irritant
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**Sensitization**

Remarks	No sensitisation effect known.
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**12. Ecological information****Fish toxicity**

Species	golden orfe (Leuciscus idus)		
LC50	220	to	460
			mg/l

**Daphnia toxicity**

Species	Daphnia magna		
EC50	273		mg/l
Duration of exposure	48	h	

**Bacteria toxicity**

Species	Pseudomonas putida		
EC50	770		mg/l
Duration of exposure	18	h	

**Evaluation of persistence and bioaccumulation potential**

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not possible.

**General information / ecology**

Innocuous to aquatic organisms. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**13. Disposal considerations****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 underground disposal site.	

**Disposal recommendations for packaging**

Disposal in compliance with local and national regulations.

**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.

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**Air transport ICAO/IATA**

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

**15. Regulatory information****Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives/GefStoff V

**Registration no.**

EC No.: 231-821-4

**Hazard symbols**

Xi Irritant

**Hazardous component(s) to be indicated on label****R phrases**

31 Contact with acids liberates toxic gas.  
36/37 Irritating to eyes and respiratory system.

**S phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
46 If swallowed, seek medical advice immediately and show this container or label.

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

GHS07 Exclamation mark

**Signal Word**

Wng Warning

**Hazard statements**

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Precautionary statements**

P261.1 Avoid breathing dust.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**National regulations****Water Hazard Class (Ger.)**

Water Hazard Class WGK 1  
(Ger.)

**National regulations**

Swiss Toxicity Class 3  
SFOPH T no. G-2619

**16. Other information**

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.