



Trade name: Natrii thiosulfas crist

Substance number: 066690

Version: 1 / CH

Date revised: 03.04.12

Replaces Version: - / CH

Date of printing: 03.04.12

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Natrii thiosulfas crist

Item-No. 06669000

### 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

## 2. Hazards identification

### 2.2. Label elements

#### Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product does not require a hazard warning label in accordance with EC Directives.

Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.

#### S phrases

22

Do not breathe dust.

24/25

Avoid contact with skin and eyes.

## 3. Composition/information on ingredients

#### Substance / product identification

CAS-Nr. 10102-17-7

EINECS-Nr. 231-867-5

#### Chemical characterization

substances

## 4. First aid measures

### 4.1. Description of first aid measures

#### General information

No special measures necessary.

#### After inhalation

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

#### After skin contact

In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

#### After eye contact



Trade name: Natrii thiosulfas crist

Substance number: 066690

Version: 1 / CH

Date revised: 03.04.12

Replaces Version: - / CH

Date of printing: 03.04.12

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

**After ingestion**

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

**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.

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

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

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

Use self-contained breathing apparatus.

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Not required.

**6.2. Environmental precautions**

No special measures required.

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

Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal".

**6.4. Reference to other sections**

Dangerous substances are not released.

**7. Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid dust formation.

**Advice on protection against fire and explosion**

No special measures necessary.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

No special requirements.

**Hints on storage assembly**

Do not store with oxidizing agents.

**Further information on storage conditions**

Store in a dry place. Product is hygroscopic.

**8. Exposure controls/personal protection****8.2. Exposure controls****Exposure controls**



Trade name: Natrii thiosulfas crist

Substance number: 066690

Version: 1 / CH

Date revised: 03.04.12

Replaces Version: - / CH

Date of printing: 03.04.12

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. Wash hands before breaks and after work.  
Avoid contact with eyes and skin. Do not inhale dust/fumes/mist.

**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	
Penetrating time	>= 8	h	

Appropriate Material	Polychloroprene		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	

Appropriate Material	nitrile rubber - NBR		
Material thickness	0.35	mm	
Penetrating time	>= 8	h	

Appropriate Material	Butyl rubber - Butyl		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	

Appropriate Material	Fluoro carbon rubber - FKM		
Material thickness	0.4	mm	
Penetrating time	>= 8	h	

Appropriate Material	PVC		
Material thickness	0.5	mm	
Penetrating time	>= 8	h	

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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

**Form** crystalline

**Colour** white

**Odour** odourless

**pH**

Value	6.8	to	7.2
Concentration/H <sub>2</sub> O	50	g/l	
Temperature	20	°C	

**Melting point**

Value	48.5	°C
-------	------	----

**Boiling point**

Remarks	Not determined
---------	----------------

**Flash point**

Remarks	Not applicable
---------	----------------

**Density**

Value	1.73	g/cm <sup>3</sup>
Temperature	20	°C



Trade name: Natrii thiosulfas crist

Substance number: 066690

Version: 1 / CH

Date revised: 03.04.12

Replaces Version: - / CH

Date of printing: 03.04.12

**Solubility in water**

Value	680			g/l
Temperature	20	°C		

**Thermal decomposition**

Value	100	to	300	°C
-------	-----	----	-----	----

**Viscosity****dynamic****kinematic****9.2. Other information****Bulk density**

Value	appr. 1000			kg/m <sup>3</sup>
Temperature	20	°C		

**Other information**

The product is not dangerous for explosions.

**10. Stability and reactivity****10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**Thermal decomposition**

Value	100	to	300	°C
-------	-----	----	-----	----

**10.5. Incompatible materials**

Reactions with oxidising agents. Contact with acids liberates toxic gases.

**10.6. Hazardous decomposition products**sulphurous oxides (SO<sub>x</sub>)**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat			
LD50	> 8000			mg/kg

**Skin corrosion/irritation**

Remarks No effect of irritation known.

**Serious eye damage/irritation**

Remarks No effect of irritation known

**Sensitization**

Remarks No sensitisation effect known.

**Experience in practice**

nausea. vomiting

**Other information**

By appropriate use of the product no health damage is known.

**12. Ecological information****12.1. Toxicity**



Trade name: Natrii thiosulfas crist

Substance number: 066690

Version: 1 / CH

Date revised: 03.04.12

Replaces Version: - / CH

Date of printing: 03.04.12

**Fish toxicity**

Species	Gambusia affinis		
LC50	26000		mg/l
Duration of exposure	48	h	
Species	Fathead minnow (Pimephales promelas)		
LC50	> 10000		mg/l
Duration of exposure	96	h	

**Daphnia toxicity**

Species	Daphnia magna		
EC50	1223		mg/l
Duration of exposure	48	h	

**12.2. Persistence and degradability****Biodegradability**

Remarks Quantitative data concerning the ecological effect are not available.

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

Innocuous to aquatic organisms.

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

EWC waste code Small amounts can be disposed together with rubbish.

**Disposal recommendations for packaging**

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

**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.

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

Water Hazard Class (Ger.)	WGK 1
Remarks	Classification according to VwVwS

**15.2. Chemical safety assessment**

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

**16. Other information****Supplemental information**



Trade name: Natrii thiosulfas crist

Substance number: 066690

Version: 1 / CH

Replaces Version: - / CH

Date revised: 03.04.12

Date of printing: 03.04.12

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.