



Trade name: Natrii thiosulfas

Substance number: 066688

Version: 1 / CH

Date revised: 21.02.12

Replaces Version: - / CH

Date of printing: 27.09.12

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

1.1. Product identifier

Natrii thiosulfas

Item-No. 06668800

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.

2.3. Other hazards

No special hazards have to be mentioned.

3. Composition/information on ingredients

Substance / product identification

CAS-Nr. 10102-17-7

EINECS-Nr. 231-867-5

Molecular weight

Value 248.21 g/mol

4. First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air.

After skin contact

Wash skin thoroughly with water (15 min.). 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. In the event of symptoms take medical treatment.



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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: Sulphur dioxide (SO₂); Sulphur trioxide (SO₃)

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.

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 allow to enter drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Take up mechanically and collect in suitable container for disposal. Clean up affected area.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special requirements.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep in a dry place.

Further information on storage conditions

Keep container tightly closed.

8. Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work.

Respiratory protection

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

Hand protection



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

Eye protection

necessary

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

Form	solid			
Colour	colourless			
Odour	odourless			
pH				
Value	6.0	to	7.5	
Concentration/H ₂ O	100	g/l		
Temperature	20	°C		
Melting point				
Value	48			°C
Boiling point				
Remarks	Not applicable			
Flash point				
Remarks	Not applicable			
Density				
Value	1.74			g/cm ³
Temperature	20	°C		
Solubility in water				
Value	701			g/l
Temperature	20	°C		
Ignition temperature				
Remarks	Not applicable			
Thermal decomposition				
Value	100			°C

9.2. Other information**Bulk density**

Value	appr. 1000			kg/m ³
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10. Stability and reactivity**10.4. Conditions to avoid**

Heat

Thermal decomposition

Value	100			°C
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10.5. Incompatible materials

Explosive, nitrates, Nitrites, Strong oxidising agents, Reacts violently with: Fluorine, Acids

11. Toxicological information



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11.1. Information on toxicological effects

Acute oral toxicity

Species	rat	
LD50	> 5000	mg/kg
Source	RTECS	

Acute inhalational toxicity

LD50

Mutagenicity

method	Ames test
Remarks	negative

Other information

Observe the usual precautions for handling chemicals.

12. Ecological information

12.1. Toxicity

Fish toxicity

Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	> 10000	mg/l
Duration of exposure	96	h

Daphnia toxicity

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

12.5. Results of PBT and vPvB assessment

Evaluation of persistence and bioaccumulation potential

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

12.6. Other adverse effects

General information / ecology

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

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.

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



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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

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.