

# Sodium Thio, 1.0N

## Safety Data Sheet



### Section 1

### Product Description

Product Name: Sodium Thio, 1.0N  
Manufacturer Number: ST2965-B  
Distributor: Best Sanitizers, Inc.  
PO Box 1360 Penn Valley, CA 95946

Emergency telephone number:  
Aquaphoenix Scientific 1.800.255.3924

### Section 2

### Hazard Identification

Not Classified for physical or health hazard.

#### Hazard Statements

None

### Section 3

### Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Disodium tetraborate decahydrate	1303-96-4	0.01
Sodium thiosulfate pentahydrate	10102-17-7	25.1
Deionized Water	7732-18-5	74.89

### Section 4

### First Aid Measures

#### First Aid Measures

##### Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Immediately get medical advice/attention.

##### Skin Contact

Wash off immediately with soap and plenty of water. Rinse/flush exposed skin gently using water for 15 minutes. Get medical attention if irritation develops and persists.

##### Inhalation

Remove to fresh air. If necessary, provide artificial respiration. Loosen clothing and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

# Safety Data Sheet

## Ingestion

Do NOT induce vomiting. Rinse mouth thoroughly. Have exposed individual drink sips of water.

## Most important symptoms and effects, both acute and delayed

Irritation. Nausea. Headache. Shortness of breath.

## Indication of any immediate medical attention and special treatment needed

### Note to physicians

Treat symptomatically.

## Section 5

## Fire-Fighting Measures

### Suitable Extinguishing Media

Dry Chemical, Water spray, Carbon dioxide (CO<sub>2</sub>), Foam.

### Unsuitable Extinguishing Media

No Information available.

### Specific hazards arising from the chemical

Irritating and toxic gases may be generated by thermal decomposition and combustion.

### Protective Equipment and Precautions for Firefighters

For emergency responders, personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Transfer to a disposal. Isolate area. Keep unnecessary personnel away.

### Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

## Section 6

## Accidental Release Measures

### **Personal Precautions, Protective Equipment and Emergency Procedures**

If necessary use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations.

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

If necessary use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations.

## Section 7

## Handling and Storage

### **Precautions for Safe Handling**

Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke, or use personal products when handling chemical substances.

### **Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, dry and well ventilated location. Protect from freezing and physical damage. Provide ventilation for containers.

## Section 8

## Protection Information

### Exposure Guidelines

#### Appropriate Engineering Controls

Engineering Controls                      Showers, eyewash stations, ventilation system.

#### Individual Protection Measures, such as personal protective equipment

Eye/Face protection                      Wear safety glasses with side shields (or goggles).

Skin and body protection                Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation.

Respiratory protection                If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations        Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## Section 9

## Physical and Chemical Properties

### Information on basic physical and chemical properties

Formula:                                      See Section 3

Odor:    Odorless

Odor Threshold:                            No Information Available

Physical State:                              Liquid

Appearance:                                Aqueous solution

Color:                                         Clear

#### Property

#### Values

pH	Not Determined
Melting Point/Freezing Point	Approximately 0 C
Boiling Point/ Boiling Range	Approximately 100 C
Flash Point	Not Determined
Evaporation rate	Not Determined
Flammability (solid, gas)	Not Determined

# Safety Data Sheet

Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure:	No information available
Vapor density:	Approximately 1
Specific Gravity	Not Determined
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## Section 10

## Stability and Reactivity Data

<b>Reactivity</b>	None under normal processing.
<b>Chemical Stability</b>	Stable under recommended storage conditions. Light Sensitive.
<b>Possibility of Hazardous Reactions</b>	Not Determined.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong reducing agents. Metal nitrates, lead, mercury, silver salts, acids, iodine, sodium nitrate.
<b>Hazardous Decomposition Products</b>	Borane oxides. Boron oxides. Sodium oxides. Sulfur oxides.

## Section 11

## Toxicity Data

<b>Acute Toxicity:</b>		
Oral	1303-96-4	LD50 Rat: 4,500-5,000 mg/kg
Dermal	1303-96-4	LD50 Rabbit: 10,000 mg/kg
Oral	10102-17-7	LD50 Rat: 5,000 mg/kg
<b>Chronic Toxicity:</b>	No additional Information	
<b>Corrosion Irritation:</b>	No additional Information	
<b>Sensitization:</b>	No additional Information. None.	
<b>Single Target Organ (STOT):</b>	No additional Information. None.	
<b>Numerical Measures:</b>	No additional Information.	
<b>Carcinogenicity:</b>	No additional Information.	
<b>Mutagenicity:</b>	No additional Information. None.	
<b>Reproduce Toxicity:</b>	No additional Information. None.	

# Safety Data Sheet

## Section 12

## Ecological Data

### Ecotoxicity

Fish LC50 - *Carassius auratus* (goldfish) - 178 mg/l - 72 h: 1303-96-4

Invertebrates EC50 - *Daphnia magna* (Water flea) - 1, 085 - 1,402 mg/l - 48 h: 1303-96-4

Algae IC50 - *Desmodesmus subspicatus* (green algae) - 158 mg/l - 96 h: 1303-96-4

### Persistence and degradability

Readily biodegradable.

### Bioaccumulation potential

Not bioaccumulative.

### Mobility in soil

None.

### Other adverse effects

None.

## Section 13

## Disposal Information

### Waste treatment methods

Disposal of wastes

Dilute with water and flush to sewer. Dispose of contaminated gloves after use in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

## Section 14

## Transport Information

DOT:

Not Regulated

## Section 15

## Regulatory Information

### International Inventories

TSCA

Complies

DSL/NDSL

Complies

# Safety Data Sheet

**TSCA**—United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL**— Canadian Domestic Substances List/Non-Domestic Substances List

## **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312**

None of the ingredients is listed

### **CWA (Clean Water Act)**

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **CERCLA**

None of the ingredients is listed.

## **US State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

## Section 16

## Additional Information

<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal protection</b>
	1	0	0	X

**Prepared by:** Technical Department

**Revision Date** April 11, 2022

**Version** 4

**Revision Note** Annual Review

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**