

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** Sodium Thio, 1.0N / ST2965-B

### Recommended use of the chemical and restrictions on use

**Recommended use** Industrial use

### **Distributor Address**

**Best Sanitizers, Inc.**  
PO Box 1360  
Penn Valley, CA 95946  
Toll Free: 888-225-3267

### Emergency telephone number

**Emergency Phone Numbers** For Transportation Emergencies, call  
Aquaphoenix Scientific 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

Not Classified for physical or health hazard.

<b>Physical hazards</b>	
None	
<b>Health hazards</b>	
None	
<b>Environmental hazards</b>	
None	

<b>Signal word</b>	N/A		
<b>Hazard statements</b>	None		
<b>Appearance</b>	Aqueous solution	<b>Physical State</b>	Liquid
		<b>Odor</b>	Odorless

**Precautionary Statements - Prevention**

None

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**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	

**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**

Move 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.

**Ingestion**

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

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

**Most Important Symptoms and Effects**

Irritation. Nausea. Headache. Shortness of breath.

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

Notes to Physician

Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media**

Dry chemical, water spray, carbon dioxide (CO<sub>2</sub>), foam.

**Specific Hazards Arising from the Chemical**

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

**Unsuitable extinguishing media**

No information available

**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.

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**6. ACCIDENTAL RELEASE MEASURES**

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**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.

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**7. HANDLING AND STORAGE**

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**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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Appropriate engineering controls

**Engineering Controls**                      Showers  
    Eyewash stations  
    Ventilation systems

#### 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.

**Hygiene Measures**                              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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Aqueous Solution	<b>Odor Threshold</b>	No information available
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	Not Determined	None known
<b>Melting/freezing point</b>	Approximately 0°C	None known
<b>Boiling point / boiling range</b>	Approximately 100°C	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No data available	None known
<b>Lower flammability limit</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	Approximately 1	None known
<b>Specific Gravity</b>	Not determined	None known
<b>Water Solubility</b>	Soluble in water	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No data available	None known
<b>Oxidizing properties</b>	No data available	None known

## 10. STABILITY AND REACTIVITY

### **Reactivity**

None under normal processing.

### **Chemical stability**

Stable under recommended storage conditions. Light Sensitive.

### **Possibility of Hazardous Reactions**

Not determined

### **Conditions to avoid**

Incompatible materials.

### **Incompatible materials**

Strong oxidizing agents. Strong reducing agents. Metal nitrates, lead, mercury, silver salts, acids, iodine, sodium nitrate.

### **Hazardous Decomposition Products**

Borane oxides. Boron oxides. Sodium oxides. Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

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

Chronic Toxicity:	No additional Information
Corrosion Irritation:	No additional Information
Sensitization:	No additional Information. None.
Single Target Organ (STOT):	No additional Information. None.
Numerical Measures:	No additional Information
Carcinogenicity:	No additional Information
Mutagenicity:	No additional Information. None.
Reproduce Toxicity:	No additional Information. None.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Fish LC50 – Carassius auratus (goldfish) – 178 mg/l – 72H: 1303-96-4.

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

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

### **Persistence and Degradability**

Readily biodegradable.

### **Bioaccumulation**

No bioaccumulative..

### **Mobility in soil**

None.

### **Other adverse effects**

None.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

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 all applicable federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### **DOT**

Not Regulated

## 15. REGULATORY INFORMATION

### **International Inventories**

**TSCA** Complies

**DSL/NDSL** Complies

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

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

### **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act 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 Hazard Categories**

None of the ingredients are listed

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

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

#### **CERCLA**

None of the ingredients are listed

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

