

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.

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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 (CO₂), 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	Physical State:	Liquid
Odor:	Odorless	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Clear

<u>Property</u>	<u>Values</u>
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

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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

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.

Section 11

Toxicity Data

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.	

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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

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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

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

Prepared by: Technical Department

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Version 4

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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