

1. Identification

Common Name/ Trade Name:	Fritz ProAquatics Sodium Thiosulfate	Revision Date: June 13, 2019
Material Uses:	Chlorine Neutralizer	Product Number: N/A
Supplier:	FRITZ INDUSTRIES, INC. 500 N. SAM HOUSTON ROAD MESQUITE, TX 75149	In Case of Emergency: Week Days: (Monday – Friday 8-5): (972) 329-8800 (800) 955-1323 CHEMTREC (7 days a week, 24 hours a day) (800) 424-9300

2. Hazard(s) Identification

Classification:	Not classified under GHS	
Labeling:	Symbol:	Symbol not required.
	Signal Word:	Signal word not required.
	Hazard Statement:	Not a hazardous substance or mixture.
	Precautionary Statements:	P102 Keep out of reach of children. P233 Keep container tightly closed. P264 Wash exposed skin thoroughly after handling. P281 Use personal protective equipment as required.
Other Hazard Information:	Physical/Chemical Hazards:	No additional hazards.
	Health Hazards:	May cause skin and eye irritation.
	Environmental Hazards:	No additional hazards.

3. Composition and Information on Ingredients

<u>Chemical Identity</u>	<u>Numbers of Identity</u>	<u>% by Weight</u>
Sodium Thiosulfate	CAS# 10102-17-7	100

4. First Aid Measures

Inhalation:	If inhaled, remove from area to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Skin Contact:	In case of contact, remove contaminated clothing and shoes. Wash contact areas thoroughly with soap and water. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.
Eye Contact:	In case of contact, do not rub eyes. Immediately flush eyes with running water, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If irritation develops and persists, seek medical attention.
Ingestion:	If ingested, remove material from mouth and rinse with water. Do not induce vomiting, unless directed by medical personnel. Seek medical attention if symptoms persist.

5. Fire and Explosion Data

General Information:	Material is not considered flammable or combustible.
Suitable Extinguishing Media:	Water fog, water spray, dry chemical, carbon dioxide (CO ₂), and alcohol resistant foams.
Unsuitable Extinguishing Media:	Water stream.
Specific Hazards in Case of Fire:	Thermal decomposition may release toxic and/or irritating fumes including oxides of sulfur.
Special Protective Equipment and Precaution for Fire Fighters:	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

6. Accidental Release Measures

Personal Precautions:	Avoid contact with spilled material. Avoid dust formation. Wear appropriate personal protection equipment (see section 8).
Environmental Precautions:	Prevent from entering sewers and waterways.
Methods and Materials for Containment and Cleaning Up:	Ventilate area. Isolate and contain spill. Pick up spill in a manner which does not generate dust and place in a suitable container for reclamation or disposal.

7. Handling and Storage

Precautions for Safe Handling:	Wear appropriate personal protection equipment (see Section 8). Wash exposed skin thoroughly after handling.
Conditions for Safe Storage, including Incompatibilities:	Keep in a tightly closed container. Store in a cool, dry, well-ventilated area. Store away from strong acids and strong oxidizing agents.

8. Exposure Controls/Personal Protection**Exposure Limits:**

Component Name (CAS-No.)	Reference	Limit Values
Sodium Thiosulfate CAS# 10102-17-7	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established

Ventilation:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels minimal.
Respiratory Protection:	If ventilation is inadequate, use a MSHA/NIOSH approved respirator that meets with OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements.
Eye Protection:	Safety glasses with side-shields or splash goggles.
Skin Protection:	Chemical resistant gloves. Clothing should cover arms and legs.

9. Physical and Chemical Properties

Flashpoint (closed cup):	Not determined	Lower Flammability Limit:	Not determined
Auto ignition Temperature:	Not determined	Upper Flammability Limit:	Not determined
Boiling Point:	Not determined	Relative Density:	1.729 g/cm³
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not determined	Evaporation Rate (Water=1):	Not determined
Vapor Density (air=1):	Not determined	Viscosity:	Not determined
%Solubility in Water:	Soluble	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH (20% slurry):	6.0 – 9.5

Odor/Appearance: **Odorless/White powder****10. Stability and Reactivity Data**

Chemical Stability:	Product is stable under recommended conditions of use and storage.
Possibility of Hazardous Reactions:	Reacts with acids to release sulfur dioxide.
Conditions to Avoid:	Direct sunlight, heat, exposure to air or water.
Materials to Avoid:	Strong acids and strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition may release oxides of sulfur.

11. Toxicological Information

Routes of Exposure:	Skin contact, eye contact, and ingestion.
Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Contact may cause mild irritation to skin. Based on available data, classification criteria are not met.
Serious Eye Damage/Irritation:	Contact may cause mild irritation to eyes. Based on available data, classification criteria are not met.
Respiratory/Skin Sensitization:	No data available.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	Not listed as a carcinogen with IARC, NTP, OSHA or ACGIH.
Reproductive Toxicity:	No data available.
STOT, SE:	No data available.
STOT, RE:	No data available.
Other Chronic Toxicity:	No data available to indicated product or components present at greater than 1% are chronic health hazards.

12. Ecological Information

Persistence and Degradability:	No data available.
Bio-accumulative Potential:	No data available.
Mobility:	No data available.
Aquatic Toxicity:	

Test	Results	Comments
Mosquito fish (<i>Gambusia affinis</i>)	LC ₅₀ : 24,000 mg/L, 96 hour	

13. Disposal Considerations

Waste Disposal:	Whatever cannot be saved for reclamation may be disposed according to local, state, and federal regulations.
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14. Transport Information

US DOT Classification:	Not regulated.
UN number:	Not applicable.
UN Proper Shipping Name:	Not applicable.
Hazard Class:	Not applicable.
Packing Group:	Not applicable.
IATA:	Not regulated.
IMDG:	Not regulated.

15. Other Regulatory Information

Inventory Status:	Not listed on the TSCA inventory.
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US Regulations:

SARA 302 EHS Chemicals:	This material does not contain any SARA extremely hazardous substances.
SARA (311/312) Hazard Categories:	No hazards listed.
SARA 313:	This material does not contain any SARA 313 chemicals.
EPA CERCLA/Superfund Reportable Spill Quantity:	This material does not contain any CERCLA regulated chemicals.
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Abbreviations and Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
 CAS: Chemical Abstract Service
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
 DOT: Department of Transportation
 EHS: Extremely Hazardous Substances
 EPA: Environmental Protection Agency
 GHS: Globally Harmonized System
 HMIS: Hazardous Materials Identification System
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 IMDG: International Maritime Dangerous Goods
 LC₅₀: Lethal Concentration, half maximal
 mg/kg: Milligrams per Kilogram
 mg/L: Milligrams per Liter
 mg/m³: Milligrams per Cubic Meter
 NFPA: National Fire Protection Association
 NIOSH: National Institute for Occupational Safety and Health
 NTP: National Toxicology Program
 OECD: Organization for Economic Co-operation and Development
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible Exposure Limit
 PPE: Personal Protective Equipment
 REL: Recommended Exposure Limit
 SARA: Superfund Amendments and Reauthorization Act
 STOT, RE: Specific Target Organ Toxicity, Repeated Exposure
 STOT, SE: Specific Target Organ Toxicity, Single Exposure
 TSCA: Toxic Substances Control Act
 TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 0, Flammability 0, Reactivity 0, Protective Equipment b
 NFPA (U.S.A.): Health 0, Flammability 0, Reactivity 0

Revisions:

Reviewed SDS, updated section 15.

Supersedes:

February 8, 2016

Prepared By: Michael Carlo

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End of SDS