

SAFETY DATA SHEET

SODIUM THIOSULFATE, 10% Aqueous

Section 1 - Chemical Product and Company Identification

SDS Name: Sodium Thiosulfate, 10% Aqueous
Catalog Numbers: SO-449
Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923
For information, call: 978-739-4883
Emergency Number: 800-424-9300
For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

H303-Acute Oral Toxicity: 5
H312-Acute Dermal Toxicity: 4
H315-Skin Corrosion/Skin Irritation: 2
H320-Serious Eye damage/Irritation: 2B
H317-Skin Sensitization: 1

Pictograms or Hazard symbols and Hazard statement.



Signal word: Warning

Hazard Statements:

H303-May be harmful if swallowed
H312-Harmful in contact with skin
H315-Causes skin irritation
H320-Causes eye irritation
H317-May cause an allergic skin reaction

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing.
P302+P352 If on skin, wash with plenty of soap and water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a Poison Center/doctor/physician if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with all federal, state, and local regulations.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
10102-17-7	Sodium Thiosulfate Pentahydrate	10.0 w/v
7732-18-5	Water	Balance

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

Special Remarks on Fire Hazards: When heated to decomposition it emits toxic fumes of sulfur oxides, hydrogen sulfide, and sodium oxide.

Special Remarks on Explosion Hazards: An explosion may occur with raw material if triturated with nitrates, chlorates, or permanganates.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Odor: Odorless

pH: N/A

Vapor Pressure: 2.3 kPa @ 20deg. C

Vapor Density: 0.62 (Air=1)

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: 100 deg. C

Solubility: N/A

Section 10 - Stability and Reactivity

Chemical Stability: The product is stable.

Conditions to Avoid: Heat, incompatible materials.

Incompatibilities with Other Materials: Reactive with oxidizing agents, acids, alkalis. Incompatible with iodine, acids, lead, mercury, silver salts, and halogens.

Hazardous Decomposition Products: Sulfur oxides, sodium oxides.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: WE6660000

LD50/LC50:

CAS# 10102-17-7: LD50 Rat, intravenous >2,500 mg/kg

Carcinogenicity:

CAS# 10102-17-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

CAS# 10102-17-7.

Ecotoxicity: Not available.

Environmental: Not available.

Physical: No information available.

Other: No information available.

Section 13 - Disposal Considerations

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

Section 14 – Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European/International Regulations

European Labeling in Accordance with EC Directives

Risk Phrases:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

Safety Phrases:

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

S9 Keep container in a well-ventilated place

S24 Avoid contact with skin.

Section 16 - Additional Information

SDS Creation Date: 10/15/12

Revision #1. CF 9/9/13 Revision #2. 12/12/17

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