



Material Safety Data Sheet

1. IDENTIFICATION

PRODUCT NAME: H₂-SODIUM THIOSULFATE
CHEMICAL NAME/SYNONYMS: Sodium Thiosulfate Solution
CHEMICAL FAMILY:
CHEMICAL FORMULA:
For emergencies call Chemtrec at 1-800-424-9300

2. HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

This product is irritating to the eyes and skin.

POTENTIAL HEALTH EFFECTS:

EYES: May cause slight irritation.

SKIN: Moderate to low irritant.

INHALATION: N/A

INGESTION: Up to 12 grams of sodium thiosulfate can be taken daily by mouth with no ill effects except catharsis.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS #</u>	<u>COMPONENT</u>	
	<u>PERCENT</u>	
7772-98-7	Na ₂ S ₂ O ₃	29-31
7732-18-5	Water	Balance

4. FIRST-AID MEASURES

EYES: Flush with water for at least 15 minutes. Contact a physician.

SKIN: Wash thoroughly with water. If irritation persists, contact physician.

INHALATION: Not found.

INGESTION: If gross amounts are swallowed, induce vomiting. Contact a physician.

5. FIRE-FIGHTING MEASURES

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES: For fires involving this material wear SCBA.

NFPA CODES: HEALTH: 2 FIRE: 0 REACTIVITY: 2 SPECIAL HAZARD:
CORROSIVE

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

H2- STS**6. ACCIDENTAL RELEASE MEASURES**

PRECAUTION IF SPILLED OR RELEASED: Flush small spills with water. For larger spills, recover as much as possible then flush area with water. Comply with all federal, state and local regulations when disposing of waste.

NEUTRALIZING CHEMICALS: None

REPORTABLE QUANTITIES: N/A

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Use general safe work practices when handling this chemical.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Clear colorless to amber solution. Sulfur like odor.

BOILING POINT: 217°F

MELTING POINT: N/A

VAPOR DENSITY (AIR = 1): N/A

VAPOR PRESSURE: N/A

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY (H₂O = 1): 1.28

pH: 8 – 10.5

OTHER (I.E. WT. PER GALLON): 10.8 lb/gallon typical

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Sulfur dioxide may be released if allowed to contact strong acids or if dried material is overheated.

INCOMPATIBILITY: Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: If dried material is overheated, sulfur dioxide is given off.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

TOXICITY: Large doses internally have a cathartic action.

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS**

Dispose of waste materials according to all federal, state and local regulations.

14. TRANSPORT INFORMATION

This material is not regulated as a DOT Hazardous Material.

US DOT INFORMATION:

15. REGULATORY INFORMATION**16. OTHER INFORMATION**

Do not use ingredient information and/ or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from H2O Technical Services.

DISCLAIMER:

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We believe that the information in this MSDS is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulations, rules or insurance requirements.

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