

PRODUCT NAME: SODIUM THIOSULFATE SOLUTION

Transportation Emergencies, Call (800) 424-9300 (CHEMTREC)
Health Emergencies, contact Your Local Poison Center
Caution: Causes irritation. Avoid contact with skin, eyes or clothing.

I. PRODUCT INFORMATION

Product Name: Sodium Thiosulfate Solution **Formula:** See Below
Chemical Name:
CAS Number: 7772-98-7

II. COMPONENT DATA

| Typical Composition | CAS #'s | % |
|---|----------------|----------|
| Na ₂ S ₂ O ₃ | 7772-98-7 | 29-31 |
| Water | 7732-18-5 | Balance |

Exposure Standard: Not Found

Hazard Ratings: Health = 2 Flammability = 0 Reactivity = 2
0 = Least; 1 = Slight; 2 = Moderate; 3 = High; 4 = Extreme;

III. PHYSICAL DATA

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

IV. FIRE AND EXPLOSION INFORMATION

| | |
|---|--|
| Flash Point: | N/A |
| Flammable Limits: | N/A |
| Extinguishing Media: | N/A |
| Special Firefighting Procedures: | For fires involving this material wear SCBA. |

V. REACTIVITY DATA

| | |
|--|---|
| 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. |

VI. PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS

| | |
|---------------------|---|
| Ventilation: | Use in well ventilated areas. |
| Eye: | Goggles or full face shield. |
| Skin: | Appropriate clothing/rubber or plastic gloves. Avoid contact with skin. |
| Respiratory: | None required under normal conditions. |

VII. HEALTH AND FIRST AID**PHYSIOLOGICAL & HEALTH EFFECTS****Routes of Entry:**

| | |
|--------------------|--|
| 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. |

Toxicity: Large doses internally have a cathartic action.

EMERGENCY & FIRST AID PROCEDURES

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.

VIII. SPILL AND LEAK PROCEDURES

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.

Waste Disposal Methods: Comply with federal, state and local regulations.

Reportable Quantities: N/A

IX. TRANSPORTATION REQUIREMENTS

DOT Proper Shipping Name: Sodium Thiosulfate Solution

DOT Classification: Non hazardous

UN/NA Identification Number: N/A

Packing Group: N/A

Other Labels: N/A

X. SPECIAL PRECAUTIONS

Handling and Storage Precautions: Use general safe work practices when handling this chemical.

SALES OFFICE

For Product Information:
TEL: 662-494-3055
FAX: 662-494-2828

Post Office Drawer 1217
West Point, MS 39773

To Place An Order:
TEL: 800-953-3585
FAX: 800-953-3588

IMPORTANT

The information on this Material Safety Data Sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.