Material Safety Data Sheet
Sodium Thiosulfate Anhydrous

Section 1 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white solid.

Caution! May cause eye irritation and possible burns. May cause respiratory and digestive tract irritation. May cause skin irritation. Hygroscopic (absorbs moisture from the air).

Target Organs: None.

Potential Health Effects
Eye: May cause eye irritation and possible burns.
Skin: May cause skin irritation.
Ingestion: Ingestion of large amounts may cause gastrointestinal irritation.
Inhalation: May cause respiratory tract irritation.
Chronic: Not available.

Section 2 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Notes to Physician: Treat symptomatically and supportively.

Section 3 - Personal Protection

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 minimize contact with skin.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Section 4 - Physical and Chemical Properties

**Physical State:** Solid  
**Appearance:** white  
**Odor:** odorless  
**pH:** 6.5-8 (solution)  
**Boiling Point:** Not available.  
**Freezing/Melting Point:** 43 deg C  
**Decomposition Temperature:** Not available.  
**Solubility:** Soluble in water.

Section 5 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** High temperatures, incompatible materials, moisture.  
**Incompatibilities with Other Materials:** Sodium nitrite, strong acids, strong oxidizers, water reactive materials. Deliquescent in moist air. Efflorescent in warm dry air.  
**Hazardous Decomposition Products:** Oxides of sulfur, hydrogen sulfide, sodium oxide.  
**Hazardous Polymerization:** Has not been reported.