

## MATERIAL SAFETY DATA SHEET

### General Information

Company's Name: The Chemistry Store.com Inc.  
Company's Address: 1133 Walter Price St Cayce, SC 29033  
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)  
Company's Info Ph #: 1-800-224-1430  
Date MSDS Prepared: 2/1/07

**PRODUCT NAME: Sodium Thiosulfate**

### Ingredients/Identity Information

Ingredient: SODIUM THIOSULFATE, 5-HYDRATE NIOSH (RTECS) Number: WE6660000 CAS Number: 10102-17-7 OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED Other Recommended Limit: NONE SPECIFIED

### Physical/Chemical Characteristics

Appearance And Odor: WHITE GRANULES WITH NO ODOR Melting Point: 118F, 48C Specific Gravity: 1.685 Decomposition Temperature: >212F, >100C Solubility In Water: 42% @ 0C pH: 8.6

### Fire and Explosion Hazard Data

Flash Point: NONE Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE. Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. Unusual Fire And Expl Hazrds: TOXIC AND IRRITATING GASES AND RESIDUE MAY EVOLVE.

### Reactivity Data

Stability: YES Cond To Avoid (Stability): HIGH TEMPERATURE (ABOVE 100C) Materials To Avoid: WATER-REACTIVE MATERIALS SUCH AS SODIUM, STRONG OXIDIZERS, ACIDS, SODIUM NITRITE Hazardous Decomp Products: TOXIC, CORROSIVE & OXIDIZER SULFUR DIOXIDE GAS AND FLAMMABLE, STRONGLY IRRITANT SODIUM SULFIDE RESIDUE Hazardous Poly Occur: NO

### Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL RAT) IS UNKNOWN Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: NO Health Haz Acute And Chronic: ACUTE-INHALATION: BREATHING OF DUST/MIST MAY IRRITATE RESPIRATORY TRACT. INGESTION: RELATIVELY LOW IN ACUTE TOXICITY BUT MAY CAUSE IRRITATION OF THE GI TRACT & PURGING, IF LARGE QUANTITY IS PROLONGED/REPEATED CONTACT MAY CAUSE IRRITATION. CHRONIC-NONE. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Signs/Symptoms Of Overexp: BREATHING OF DUST/MIST MAY IRRITATE RESPIRATORY TRACT. INGESTION IS RELATIVELY LOW IN ACUTE TOXICITY BUT MAY CAUSE IRRITATION OF THE GI TRACT & PURGING, IF LARGE QUANTITY IS INGESTED. MAY IRRITATE/BURNS EYES AND CAUSE TEMPORARY CONJUNCTIVITIS. PROLONGED/ REPEATED SKIN CONTACT MAY CAUSE IRRITATION. Med Cond Aggravated By Exp: PRE-EXISTING RESPIRATORY TRACT DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL. Emergency/First Aid Proc: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION: REMOVE TO FRESH AIR. HAVE A QUALIFIED PERSON GIVE OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. THEN FLUSH WITH WATER UNTIL ALL CHEMICAL IS REMOVED. INGESTION: IF CONSCIOUS, GIVE 2 TO 4 GLASSES OF WATER & INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT.

### Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR NIOSH/MSHA APPROVED DUST RESPIRATOR. SHOVEL OR SWEEP UP AND PLACE IN AN APPROVED DOT CONTAINER AND SEAL. AVOID RAISING DUST. CAUTIOUSLY SPRAY RESIDUE WITH PLENTY OF WATER TO COMPLETE CLEAN-UP. Waste Disposal Method: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. FLUSH TO SEWER WITH PLENTY OF WATER, IF PERMITTED BY APPLICABLE DISPOSAL REGULATIONS. OTHERWISE, DISPOSE OF BY AN APPROVED CONTRACTOR. Precautions-Handling/Storing: STORAGE-STORE IN A COOL, DRY AREA AWAY FROM ACIDS OR OXIDIZERS. Other Precautions: THIS PRODUCT IS NOT FOR FOOD OR DRUG USE. AVOID BREATHING DUST OR MIST. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

### Control Measures

Respiratory Protection: IF DUSTY OR MISTY CONDITION PREVAILS, USE DUST OR MIST RESPIRATOR, APPROVED BY NIOSH. IF SULFUR DIOXIDE SHOULD BE RELEASED, USE A SUPPLIED-AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS, APPROVED BY NIOSH. Ventilation: A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURES BELOW THE TLV. Protective Gloves: COTTON Eye Protection: CHEMICAL SAFETY GOGGLES WITH HARD HAT Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER. IMPERVIOUS BOOTS, APRON, OR COVERALLS AS REQUIRED. DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.