

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: SODIUM THIOSULFATE

Control Number: 00235

Product Description: Thiosulfate Salt

COMPANY IDENTIFICATION

Supplier: COLONIAL CHEMICAL SOLUTIONS, INC.

916 West Lathrop Avenue

Savannah, Georgia 31415

24 Hour Emergency Telephone: (800)-424-9300 CHEMTREC

General Information: (912) 236-1331

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

[Environmental]

[Physical]

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Pictograms

Signal Word: Warning

Hazard statement(s)

Precautionary statement(s)

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Sodium thiosulfate, pentahydrate	10102-17-7	100

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes water as a precaution. Seek medical advice if irritation persists.

Skin Contact: Wash contaminated areas with soap and water. Seek medical advice if irritation persists.

Inhalation: Give artificial respiration if not breathing. Seek medical advice if irritation persists.

Ingestion: If swallowed rinse mouth with water. Seek medical advice if irritation persists.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous combustion products: Oxides of sulfur and sodium.

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: Material a crystalline powder and is not considered a fire or explosion hazard.

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SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spilled material should be collected and put in approved DOT container and isolated for disposal. Isolated material should be monitored for signs of decomposition (fuming/smoking). If spilled material is wet, dissolve with large quantity of water and dispose as a hazardous waste.

SECTION 7 · STORAGE AND HANDLING

Handling: Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. Do not breathe dust. Keep container closed and tightly sealed when not in use. Use good hygiene practices.

Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits: Sodium Thiosulfate Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

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

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Non-combustible solid

Autoignition Temperature: No available data

Boiling Point: 212 °F

Melting Point/Freezing Point: 118 °F

Vapor Pressure: Not applicable

Vapor Density (Air-1): Not applicable

Odor/Appearance: Colorless fine crystals with no odor.

Flammability Limits: Not applicable

Specific Gravity: 1.7-1.75

Volatile %: Nil

Evaporation Rate (Water=1): Not applicable

pH: 6-8 (1% Sol'n)

Solubility in Water: 680 g/l

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Exposure to moisture and or water.

Incompatible Materials: Alcohol, Strong reducing agents, Strong bases, Powdered metals, Organic materials

Hazardous Polymerization: Will not occur.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Causes severe irritation or burns. Symptoms include redness, itching and pain. May cause allergic skin reaction.

Eyes: Can cause severe irritation or burns with eye damage.

Inhalation: Causes irritation to the respiratory tract. Symptoms may include sore throat, shortness of breath, inflammation of nasal passages, coughing, and wheezing. May cause lung edema, a medical emergency.

Ingestion: Causes severe irritation and possible burns to the mouth and throat. Gastrointestinal disturbances may be expected with nausea, abdominal pain, and vomiting.

Acute oral toxicity:

LD50 rat: No available data

Acute inhalation toxicity:

LC50 rat: No available data

Acute dermal toxicity:

LD50 rabbit: No available data

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: No available data

Bio-accumulative potential: No available data

Mobility: No available data

SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT Controlled Material

Hazard Class:

UN Number:

Packaging Group:

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SECTION 15 - REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

No SARA Hazards

SARA Section 313 (40 CFR 372) Hazard Categories:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CCA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 - OTHER INFORMATION

MSDS Revision Date: December 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 0

Reactivity: 0

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.