

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** SODIUM SULFATE  
**Control Number:** 00243  
**Product Description:** Sulfate 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:** Not a hazardous substance or mixture.

[ Health ]

[ Environmental ]

[ Physical ]

Acute aquatic toxicity Category 3  
Chronic aquatic toxicity Category 3

**GHS Label elements, including precautionary statements:**

**Pictograms** None

**Signal Word:** None

**Hazard statement(s)**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

P273 Avoid release to the environment.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Sodium sulfate	7757-82-6	100

## SECTION 4 - FIRST AID MEASURES

### FIRST AID PROCEDURES:

**Eye Contact:** In case of contact flush eyes with water as a precaution.

**Skin Contact:** Wash with soap and water. Get medical attention/advice.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention/advice.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention/advice.

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## 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 sodium and sulfur.

**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:** This material is solid and not expected to be a fire or explosion risk.

## SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

**Spills:** Avoid dust formation. Avoid breathing vapors, or dust. Ensure adequate ventilation. Suitable protective clothing should be worn. Shut off or plug source of spill. Salvage as much re-useable material as possible into a suitable container. Sweep up and shovel. Keep in suitable, closed containers for disposal. Avoid contaminating ground and surface water.

## SECTION 7 · STORAGE AND HANDLING

**Handling:** Provide appropriate exhaust ventilation at places where dust is formed. Use good hygiene practices after handling. Material is hygroscopic exercise caution.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Do not store near acids. Keep in a dry place.

## 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 sulfate 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.

**Other Equipment:** Eye wash station and shower in close proximity to use are advised.

## SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** Not applicable

**Autoignition Temperature:** No available data

**Boiling Point:** 2012 °F

**Melting Point:** 1.623 °F

**Vapor Pressure:** No available data

**Vapor Density (Air-1):** No available data

**Odor/Appearance:** White granular solid with no odor.

**Flammability Limits:** Not applicable

**Relative Density:** 2.67

**Volatile %:** No available data

**Evaporation Rate (Water=1):** No available data

**pH:** 5.2 - 8 at 50 g/l

**Solubility in Water:** Soluble

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## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.  
**Conditions to Avoid:** Excess dust generation, incompatible materials.  
**Materials to Avoid:** Reactive with oxidizing agents, Aluminum, Magnesium  
**Decomposition Products:** When combusted, oxides of sodium and sulphur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Contact can cause redness and irritation.

**Eyes:** Contact will cause stinging and tearing.

**Inhalation:** Breathing the dust of this material may be irritating

**Ingestion:** If swallowed this material may irritate the mucous membranes of the mouth, throat and esophagus.

### Acute oral toxicity:

LD50 mouse: 5,989 mg/kg

### Acute inhalation toxicity:

LD50 rat: No published data

### Acute dermal toxicity:

LD50 rabbit: No published data

## SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Toxicity to fish LC50 - *Gambusia affinis* (Mosquito fish) - 120 mg/l - 96 h

**Bio-accumulative potential:** No available published data.

**Mobility:** No available published 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 Regulated Material

**Hazard Class:**

**UN Number:**

**Packaging Group:**

**Marine Pollutant:**

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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 Section 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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 does not contain any 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.