

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: SODIUM METABISULFITE

Control Number: 00298

Product Description: Sulfite 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]

Acute Toxicity, Oral (Category 4)

Acute Toxicity, Dermal (Category 5)

Serious Eye Irritant (Category 2A)

[Environmental]

Acute aquatic toxicity Category 3

[Physical]

GHS Label elements, including precautionary statements:

Pictograms



Signal Word: Danger

Hazard statement(s)

H302 – Harmful if swallowed

H313 – May be harmful to skin

H319 – Causes serious eye irritation

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P281 – Wear protective equipment for hands, eyes, face and respiratory tract

P305, P351 and P338 – IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and continue rinsing.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Sodium Metabisulfite	7681-57-4	99
Sodium Sulfite	7757-83-7	01
Sodium Sulfate	7757-82-6	01

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SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

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.

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

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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 away from incompatibles such as oxidizing agents, combustible materials, organic materials, acids,

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 Metabisulfite 5 mg/m³ ACGIH

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

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Flash Point: Not applicable
Autoignition Temperature: No available data
Boiling Point: No available data
Melting/Freezing Point: 302 °F
Vapor Pressure: No available data
Vapor Density (Air-1): No available data
Odor/Appearance: White crystal with sulfur like odor.

Flammability Limits: Not applicable
Specific Gravity: 1.50
Volatile %: No available data
Evaporation Rate (Water=1): No available data
pH: 4.0-4.5 (10% Sol'n)
Solubility in Water: 45% Soluble

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: Acids, Strong oxidizing agents
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: Causes eye irritation and may cause chemical conjunctivitis.
Inhalation: Breathing the dust of this material causes upper respiratory tract and mucous membrane irritation.
Ingestion: If swallowed this material may cause gastrointestinal tract irritation with abdominal pain, nausea, vomiting And diarrhea.

Acute oral toxicity:
LD50 rat: 1131 mg/kg
Acute inhalation toxicity:
LD50 rat: No published data
Acute dermal toxicity:
LD50 rabbit: > 2000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Sodium Metabisulfite is a nonhazardous solid commonly used as a waste water dechlorination agent. High concentrations will contribute to elevated chemical oxygen demand in aquatic environments.
96 hour LC50 (fish): 150-220 mg/L
48 hour IC50 (algae): 48 mg/L
24 hour EC50 (water flea): 89 mg/L
Environmental Transport: Soluble in water.
Environmental Degradation: Rapid biological decomposition.
Soil Absorption/Mobility: Slight.

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

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

Proper Shipping Name: Not A DOT Regulated Material

Hazard Class:

UN Number:

Packaging Group:

Marine Pollutant:

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: June 2015

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

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