

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: EPSOM SALT
Control Number: 00034
Product Description: Inorganic 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

Pictograms

Signal Word: Warning

Precautionary Phrases:

P232 Protect from moisture
P301+330: IF SWALLOWED: Rinse mouth.
P335 Brush loose particle from skin
P352: Wash with soap and water.

Health Phrases:

H320 Causes eye irritation
H333 May be harmful if inhaled

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Magnesium Sulfate	7487-88-9	100

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes. If irritation persists obtain medical attention.

Skin: Brush loose particle from skin. Wash off with soap and plenty of water.

Inhalation: For excessive inhalation remove to fresh air. If breathing is difficult seek medical attention.

Ingestion: If large quantities of this material are swallowed. Seek immediate medical attention. DO NOT induce vomiting

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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 sulfur and magnesium.

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: The product itself does not burn.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Avoid dust formation. Sweep or shovel spilled material into suitable container. Avoid contaminating ground and surface water.

SECTION 7 · STORAGE AND HANDLING

Provide appropriate exhaust ventilation at places where dust is formed.

Keep container tightly closed in a dry and well-ventilated place.

Hygroscopic Keep in a dry storage area.

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: Magnesium Sulfate No ACGIH or OSHA published data

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 in close proximity to use are advised.

SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Non-combustible

Autoignition Temperature: No available data

Boiling Point: Not Applicable

Melting Point: No available data

Vapor Pressure: <1 mmHg

Vapor Density (Air-1): Not Applicable

Odor/Appearance: Crystalline powder with no odor

Flammability Limits: Not Applicable

Specific Gravity: 1.07

Volatile %: Not Applicable

Evaporation Rate (Water=1):

pH: Not Applicable

Solubility in Water: No available data

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.

Materials to Avoid: Strong acids, and oxidizers.

Hazardous Polymerization: Will not occur.

SECTION 11 · TOXICOLOGICAL INFORMATION

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Signs and Symptoms of Overexposure:

Skin: No known effects.

Eyes: Dust in eyes can be irritating, causing tearing and redness.

Inhalation: High dust concentrations can be harmful. Can cause nausea, vomiting, cramps and diarrhea.

Ingestion: Not a normal route of entry. However, can be harmful if swallowed in large doses.

Acute oral toxicity:

Magnesium Sulfate: LD50 rat: >2000 mg/kg

Acute inhalation toxicity:

Magnesium Sulfate: LD50 rat: > 2,000 mg/l

Acute dermal toxicity:

Magnesium Sulfate: LD50 rabbit: No available data

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: This product does not pose a toxic hazard to aquatic life.

Bio-accumulative potential: Bioaccumulation of this product is not expected to be significant.

Mobility: Accidental spillage will not lead to penetration in the soil.

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:

SECTION 15 · REGULATORY INFORMATION

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US FEDERAL REGULATIONS

Comprehensive Environmental Response 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 is 5000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

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:
Not a hazardous substance or mixture.

SARA Section 313 (40 CFR 372) Hazard Categories: This product contains the following toxic chemical subject to reporting requirements,

Clean Water Act: This product contains no chemicals that are listed under the CWA.

Clean Air Act: This product contains no chemicals that are listed under the CAA.

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: August 2014

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

Health: 0

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.