



RIVERSIDE CONSTRUCTION MATERIALS, INC.

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Safety Data Sheet Bulk Rock/De-Icing Salt

CHEMICAL PRODUCT INFORMATION:

Chemical Product Name: Sodium Chloride (Salt)

Chemical Family: Alkali Metal/Halide

Chemical Name: Sodium Chloride

INCI Name: SODIUM CHLORIDE

INN Name: Sodium Chloride

Formula: NaCl

Molecular Weight: 58.44

COMPOSITION / INFORMATION ON INGREDIENTS

Description: White crystalline solid, White tablets

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: None – GRAS Substance (Generally Recognized As Safe)

Potential Health Effects

Route(s) of Entry: Ingestion, skin/eye contact, inhalation

Human Effects and Symptoms of Overexposure

Acute Inhalation: Irritation of the respiratory tract

Chronic Inhalation: No applicable information found for chronic systems effects

Acute Skin Contact: Large amounts can cause irritation, and, if applied to damaged skin, absorption can occur with effects similar to those from ingestion

Chronic Skin Contact: No applicable information found for chronic system effects

Acute Eye Contact: Irritation with burning and tearing (salt concentrations greater than the normal saline present)

Chronic Eye Contact: No applicable information found for chronic system effects

Acute Ingestion: Intake of large amounts has generally occurred for deliberate reasons: Suicide, absorption, and to induce vomiting. The following effects were observed: Nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nose bleed, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, dry mouth and nose, shock, cerebral edema (fluid on the brain), pulmonary edema (fluid in the lungs), blood cell shrinkage, and brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage. Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk

Chronic Ingestion: No applicable information found for chronic systemic effects

Carcinogenicity

NTP: Not listed as a carcinogen or mutagen

IARC: Not listed as a carcinogen or mutagen

OSHA: Not listed as a carcinogen or mutagen

Medical Conditions Aggravated by Exposure: In some cases of confirmed hypertension, ingestion may result in elevated blood pressure

FIRST AID MEASURES

First Aid for Eyes: Flush with water immediately, lifting eyelids occasionally

First Aid for Skin: Remove clothing from affected area. Wash skin thoroughly. Rinse carefully

First Aid for Inhalation: If person breathes large quantities, remove to fresh air at once. If breathing stops, apply artificial respiration and immediately contact a medical professional.

First Aid for Ingestion: Less than a few grams would not be harmful. For larger quantities, drink large amounts of water or milk

FIRE AND MEASURES

Flash Point: N/A

Extinguishing Media: N/A. This product is nonflammable

Special Fire Fighting Procedures: N/A

ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Contain spills to prevent contamination of water supply or sanitary sewer system.

Vacuum or sweep into containers for proper disposal

HANDLING AND STORAGE

Storage Temperature (min./max.): Avoid humid or wet conditions as product will cake and become hard

Special Sensitivity: Avoid contact with strong acids

Handling and Storage Precautions: Becomes hygroscopic at 75% relative humidity

EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection Requirements: Eyeglasses or goggles should be worn in dusty areas

Skin Protection Requirements: Protective clothing may be worn in dusty areas, but is generally not required

Respiratory/Ventilation Requirements: NIOSH/MSHA approved respirator for particulates

Exposure Limits: Not listed

PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: White crystalline solid with slight halogen odor

Color: White to opaque

Odor: Halogen odor when heated

Boiling Point (760mm Hg): 1465°C

Melting Point / Freezing Point: 801°C

pH: 6.7 – 10.0

Solubility in Water (g/cc): 26.4%

Specific Gravity (H₂O = 1): 2.16

Bulk Density (lbs./ft³): 35 – 83

% Volatile by Weight: N/A

Vapor Pressure (mm Hg/747 °C): 2.4

Vapor Density (Air = 1): N/A

REACTIVITY

Stability: Stable

Incompatibilities: Avoid contact with strong acids. Becomes corrosive to metals when wet

Decomposition Products: May evolve chlorine gas when in contact with strong acids

TOXICOLOGY INFORMATION

Description: Not listed

ECOLOGICAL INFORMATION

Ecotoxicity: Not listed

Environment Degradation: Not listed

DISPOSAL CONSIDERATIONS

Waste Disposal Method: Follow applicable Federal, state, and local regulations

REGULATORY INFORMATION

OSHA Status: Not listed

TSCA Status: Listed as non-hazardous

CERCLA Reportable Quantity SARA Title III

Section 302 Extremely Hazardous Substances: Not listed

Section 311/312 Hazard Categories: Not listed