



UPDATED MAY 2010

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## MATERIAL SAFETY DATA SHEET (MSDS) SALT – SODIUM CHLORIDE

### SECTION I – GENERAL

Trade Name: **HALITE ROCK SALT**  
Item: **RS50**  
C.A.S. Number: **7647-14-5**  
Chemical Name: **SODIUM CHLORIDE**  
Formula: **NaCl**  
Molecular Weight: **58.4428**

### SECTION II – FIRST AID

Emergency Phone Number: **56 (2) 2338550**  
Skin: **Wash with water**  
Eyes: **Irrigate with plenty of water**

### SECTION III - HAZARDS INFORMATION – HEALTH

Inhalation: **Inhalation of product may cause mild irritation of nose and throat**  
Ingestion: **Ingestion of large amounts (greater than 0.1 lb) may cause gastrointestinal upset.**  
Skin: **Dust may cause irritation.**  
Eyes: **Dust may cause irritation.**  
Permissible Concentration: Air: **None established** Biological: **No TLV established**  
Unusual Chronic Toxicity: **None**

### SECTION IV - HAZARDS INFORMATION

Flash Point °C : **Not flammable** Auto Ignition Temp °C : **N/A**  
Flammable Limits In Air (% by volume) – **N/A**

### SECTION V – PRECAUTIONS/PROCEDURES

Fire Extinguishing Agents Recommended: **N/A** Fire Extinguishing Agents to Avoid: **N/A**  
Special Fire Fighting Precautions: **N/A**  
Ventilation: **Local exhaust if dusty conditions prevail.**  
Normal Handling: **Avoid eye contact or prolonged skin contact.**  
Storage: **Wet or damp conditions can cause caking or corrosion of metal contact surfaces.**  
Spill or Leak: **Shovel up dry material into an empty container. Flush residue with water down local sewer.**  
Special: Precautions/Procedures/Label Instructions: **Store in cool, dry area. No special cautions or labeling are required.**

### SECTION VI – PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: **When required, use a respirator approved by NIOSH for product dust.**  
Eyes and Face: **In extremely dusty areas, chemical safety goggles should be used.**  
Hands, Arms, and Body: **Wear long-sleeved shirts and trousers for routine product handling. Gloves are optional.**  
Other Clothing and Equipment: **N/A**

### SECTION VII – PHYSICAL DATA

Appearance and Odor: **White crystalline solid. Slight saline odor.**  
Boiling Point: **1465°C** Specific Gravity (H<sub>2</sub>O = 1): **2.16** Vapor Density (Air = 1): **N/A**  
Melting Point: **800°C** Vapor Pressure (mm Hg at 20°C): **2.4 mm at 746.9°C**  
Solubility In Water (% By Weight): **26.395 Max at 60°F ph (20% Solution): 6.5 – 9.5**

MSDS# 685 ITEM# 897289

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