

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

### SECTION I – GENERAL

Trade Name: <b>SALT</b>	C.A.S. Number: <b>7647-14-5</b>
Chemical Name: <b>SODIUM CHLORIDE</b>	Formula: <b>NaCl</b>
Molecular Weight: <b>58.4428</b>	
Address: <b>183 Tajamar Street, Office 601 Las Condes Santiago Chile</b>	Contact: <b>Claudio Casanueva Phone: <b>56 (2) 2338550</b> Date Issued: <b>01/2/1999</b> Date Revised: <b>Same</b></b>

### SECTION II – FIRST AID

Emergency Phone Number: <b>56 (2) 2338550</b>
Skin: <b>Wash with water</b>
Eyes: <b>Irrigate with plenty of water</b>

### SECTION III - HAZARDS INFORMATION – HEALTH

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

### SECTION IV - HAZARDS INFORMATION

Flash Point °C : <b>Not flammable</b> Auto ignition Temp °C : <b>N/A</b>
<input type="checkbox"/> Open Cup <input type="checkbox"/> Closed Cup
Flammable Limits In Air (% by volume) – <b>N/A</b>

### SECTION V – PRECAUTIONS/PROCEDURES

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

### SECTION VI – PERSONAL PROTECTIVE EQUIPMENT

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

**SECTION VII – PHYSICAL DATA**

Material is (At Normal Conditions)  Liquid  Solid  Gas  \_\_\_\_\_  
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**

**SECTION VIII – REACTIVITY DATA**

Stability:  Stable  Unstable  
Conditions to Avoid: **Wet/damp conditions can cause caking and corrosion.**  
Incompatibility (Materials to Avoid): **None provided the product is dry.**  
Hazardous Decomposition Products: **None**  
Hazardous Polymerization:  May Occur  Will Not Occur  
Conditions To Avoid:

**SECTION IX – HAZARDOUS INGREDIENTS (Mixtures Only)**

Material or Component/ C.A.S. No.: **Sodium Chloride, CAS 7645-14-5**

Weight %:

Hazard Data (See Section J):

**SECTION X – ENVIRONMENTAL**

Degradability / Aquatic Toxicity: **Product is inorganic and may persist in the environment.**  
EPA Hazardous Substance?  
 Yes  No **If so, reportable quantity** \_\_\_\_\_ 40 CFR 116 – 117  
Waste Disposal Methods (Disposer Must Comply With Federal, State and Local Disposal or Discharge Laws): **Flush to sewer if permitted by applicable disposal regulations.**  
RCRA Status of Unused Material: **Not a “hazardous waste.”**  
40 CFR 261

**SECTION XI – REFERENCES**

Permissible Concentration References:

Regulatory Standards: **FDA regulations apply to food use and USP/NF grades (21 CFR).**  
**USDA regulations apply to use in meat and poultry products.**

D.O.T. Classification: N/A - 49 CFR

General: **(a) Recommendations of the Salt Institute**

**SECTION XII – ADDITIONAL INFORMATION**

**This product is not for food or drug use unless material is labeled “food grade”, “USP grade”, or “NF grade”, as applicable.**

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