

M/S BEE GEE ENTERPRISES

MATERIAL SAFETY DATA SHEET (MSDS) SALT – SODIUM CHLORIDE

SECTION I – GENERAL

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

SECTION II – FIRST AID

Skin: **wasn 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**
 Open Cup Closed Cup
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**

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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 (H₂O = 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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