

Material Safety Data Sheet (MSDS)

Product Name: Sodium Chloride IP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
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1. Identification of the Substance/Preparation and Company

- **Product Name:** Sodium Chloride, IP Grade
- **Synonyms:** Common salt, Halite
- **CAS No.:** 7647-14-5
- **Molecular Formula:** NaCl
- **Recommended Use:** Pharmaceutical excipient, laboratory use, food additive, industrial applications.

2. Hazards Identification

- **GHS Classification:** Not classified as hazardous.
- **Hazard Statements:** Not considered dangerous under normal handling and use.
- **Precautionary Statements:** Avoid excessive inhalation or ingestion in large quantities.

3. Composition / Information on Ingredients

- **Chemical Name:** Sodium Chloride
 - **Purity:** $\geq 99\%$ (IP Grade)
 - **CAS No.:** 7647-14-5
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4. First Aid Measures

- **Inhalation:** Move to fresh air. If irritation persists, seek medical attention.
 - **Skin Contact:** Wash with soap and water.
 - **Eye Contact:** Rinse with water for several minutes. If irritation continues, consult an ophthalmologist.
 - **Ingestion:** Rinse mouth with water. In large amounts, may cause nausea or vomiting; seek medical help.
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5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂.
 - **Special Hazards:** Non-flammable, does not support combustion.
 - **Protective Equipment:** Firefighters should wear protective clothing and self-contained breathing apparatus if nearby materials burn.
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6. Accidental Release Measures

- **Personal Protection:** Avoid dust formation, use protective mask and gloves.
 - **Clean-Up:** Sweep up and collect into containers. Wash spill area with water.
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7. Handling and Storage

- **Handling:** Avoid dust inhalation. Handle with care to prevent contamination.
 - **Storage:** Store in tightly closed containers, in a dry, cool, and well-ventilated place. Protect from moisture.
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Ensure good ventilation.

- **Respiratory Protection:** Use dust mask if exposure exceeds limits.
- **Eye Protection:** Safety glasses recommended.
- **Skin Protection:** Gloves for prolonged contact.

9. Physical and Chemical Properties

- **Appearance:** White crystalline solid
- **Odor:** Odorless
- **Taste:** Salty
- **Solubility:** Freely soluble in water
- **Melting Point:** 801°C
- **Boiling Point:** 1413°C
- **Molecular Weight:** 58.44 g/mol

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Excessive heat, moisture.
- **Incompatible Materials:** Strong acids, oxidizing agents, silver salts.
- **Hazardous Decomposition Products:** None under normal conditions.

11. Toxicological Information

- **Acute Toxicity:** LD50 (oral, rat): 3000 mg/kg
- **Skin/Eye Contact:** May cause mild irritation.
- **Inhalation:** Dust may irritate respiratory tract.
- **Chronic Effects:** Prolonged excessive intake may affect blood pressure and kidneys.

12. Ecological Information

- **Ecotoxicity:** High concentrations harmful to aquatic organisms.

- **Persistence & Degradability:** Inorganic compound, readily soluble.
 - **Bioaccumulation:** Not expected.
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13. Disposal Considerations

- **Disposal Method:** Dispose in accordance with local, regional, and national regulations. Avoid release into environment.
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14. Transport Information (Detailed)

- **UN Number:** Not applicable (Non-hazardous).
 - **UN Proper Shipping Name:** Sodium Chloride
 - **Transport Hazard Class:** Not regulated as hazardous for transport (by road, rail, air, or sea).
 - **Packing Group:** Not applicable
 - **Label Requirements:** None required for transport.
 - **Environmental Hazards:** Not classified as marine pollutant.
 - **Special Precautions for Transport:**
 - Ensure packaging is well-sealed to avoid leakage.
 - Store separately from strong acids and oxidizers during transport.
 - Keep away from moisture to maintain product quality.
 - Avoid transport with corrosive or highly reactive chemicals.
 - **Regulatory Transport Information:**
 - ADR/RID (Road/Rail): Not regulated.
 - IMDG (Sea): Not regulated.
 - IATA (Air): Not regulated.
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15. Regulatory Information

- **India:** Complies with Indian Pharmacopoeia standards.
- **International:** Generally recognized as safe (GRAS) by FDA (21 CFR 182.1).

16. Other Information

- **Disclaimer:** Information provided is believed to be accurate and is given in good faith.

User must determine suitability for their application.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.