

Material Safety Data Sheet (MSDS)

Product Name: Sodium Chloride Oral BP 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 Oral BP Grade
- **Chemical Name:** Sodium Chloride
- **Synonyms:** Common Salt, Halite
- **Molecular Formula:** NaCl
- **Molecular Weight:** 58.44 g/mol
- **Recommended Use:** Pharmaceutical oral formulations, electrolyte replenishment, medical and laboratory use

2. Hazard Identification

- Classified as **Non-hazardous** under GHS.
- No significant health or environmental hazards under normal conditions of use.
- Excessive intake may cause electrolyte imbalance.

3. Composition / Information on Ingredients

- **Substance:** Sodium Chloride
 - **Purity:** As per BP (British Pharmacopoeia) specifications
 - **CAS Number:** 7647-14-5
 - **EC Number:** 231-598-3
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4. First Aid Measures

- **Inhalation:** Remove to fresh air. Seek medical advice if discomfort persists.
 - **Skin Contact:** Wash with soap and water.
 - **Eye Contact:** Rinse cautiously with clean water for several minutes.
 - **Ingestion:** Rinse mouth. Do not induce vomiting. Consult a physician if excessive ingestion occurs.
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5. Fire-Fighting Measures

- **Flammability:** Non-flammable
 - **Suitable Extinguishing Media:** Use media suitable for surrounding fire
 - **Special Hazards:** None
 - **Protective Equipment:** Standard firefighting protective gear
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6. Accidental Release Measures

- Avoid generating dust.
 - Sweep up and collect in suitable containers.
 - Dispose according to local regulations.
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7. Handling and Storage

- Handle in accordance with good manufacturing practices.
 - Store in a cool, dry, well-ventilated area.
 - Keep container tightly closed and protected from moisture.
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established

- **Respiratory Protection:** Not required under normal conditions
 - **Eye Protection:** Safety glasses recommended
 - **Skin Protection:** Protective gloves optional
 - **Hygiene Measures:** Wash hands after handling
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder or granules
 - **Odor:** Odorless
 - **Taste:** Saline
 - **Solubility:** Soluble in water
 - **pH (5% solution):** Neutral
 - **Melting Point:** ~801°C
 - **Boiling Point:** ~1413°C
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
 - **Reactivity:** No dangerous reactions known
 - **Conditions to Avoid:** Excessive moisture
 - **Incompatible Materials:** Strong acids
 - **Hazardous Decomposition Products:** None
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity
 - **Chronic Effects:** Excessive intake may cause hypertension or electrolyte imbalance
 - **Irritation:** May cause mild eye irritation due to dust
 - **Carcinogenicity:** Not listed as carcinogenic
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12. Ecological Information

- Not expected to be hazardous to the environment.
- Large releases may increase soil or water salinity.

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Small quantities may be disposed of as non-hazardous waste.

14. Transport Information (Detailed)

Sodium Chloride Oral BP Grade is **not classified as dangerous goods** under international transport regulations.

- **UN Number:** Not applicable
- **UN Proper Shipping Name:** Not regulated
- **Transport Hazard Class:** Not applicable
- **Packing Group:** Not applicable

Regulatory Status Under Transport Modes:

- **ADR / RID (Road/Rail):** Not regulated as hazardous
- **IMDG (Sea Transport):** Not regulated
- **IATA (Air Transport):** Not regulated

Special Transport Precautions:

- Transport in well-sealed, moisture-proof containers.
- Prevent contamination with pharmaceutical or food-grade materials.
- Protect from excessive humidity and physical damage during transit.

Bulk Transport:

- No special requirements. Ensure clean and dry containers suitable for pharmaceutical materials.

15. Regulatory Information

- Complies with **British Pharmacopoeia (BP)** standards.
- Not classified as hazardous under GHS, OSHA, or REACH regulations.

16. Other Information

- This MSDS is prepared based on available data and best knowledge at the time of issue.
- Information is intended as guidance for safe handling, storage, and use.

- User is responsible for compliance with applicable laws and regulations.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.