

Material Safety Data Sheet (MSDS)

Product Name: Sodium Bicarbonate 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 Bicarbonate
- **Grade:** IP Grade
- **Synonyms:** Sodium Hydrogen Carbonate, Baking Soda
- **CAS No.:** 144-55-8
- **Molecular Formula:** NaHCO_3
- **Recommended Use:** Pharmaceutical ingredient, antacid, buffering agent, food additive, laboratory reagent
- **Restrictions on Use:** Not for industrial misuse or non-approved applications

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous
- **Signal Word:** None

- **Hazard Statements:** Not considered hazardous under normal conditions
 - **Potential Effects:**
 - Dust may cause mild irritation to eyes, skin, and respiratory tract
 - **Environmental Hazards:** Not expected to be hazardous to the environment
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3. Composition / Information on Ingredients

- **Chemical Name:** Sodium Bicarbonate
 - **Purity:** As per IP specifications
 - **CAS Number:** 144-55-8
 - **EC Number:** 205-633-8
 - **Impurities:** None at hazardous levels
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4. First Aid Measures

- **Inhalation:** Move person to fresh air. Seek medical attention if irritation persists.
 - **Skin Contact:** Wash with plenty of water. Remove contaminated clothing.
 - **Eye Contact:** Rinse cautiously with water for at least 15 minutes.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Consult physician if discomfort occurs.
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5. Fire Fighting Measures

- **Flammability:** Non-flammable
 - **Suitable Extinguishing Media:** Water spray, dry chemical, CO₂
 - **Specific Hazards:** Decomposes at high temperatures releasing CO₂
 - **Protective Equipment:** Standard firefighting protective equipment
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6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation, use protective equipment

- **Environmental Precautions:** Prevent release into large water bodies
 - **Cleanup Methods:** Sweep or vacuum and collect in suitable containers
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7. Handling and Storage

- **Handling:** Avoid generating dust. Use in well-ventilated areas.
 - **Storage:** Store in a cool, dry, well-ventilated place in tightly closed containers
 - **Incompatible Materials:** Strong acids
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8. Exposure Controls / Personal Protection

- **Exposure Limits:** Not established
 - **Engineering Controls:** Adequate ventilation
 - **Personal Protective Equipment:**
 - Gloves
 - Safety goggles
 - Dust mask if required
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odour:** Odourless
 - **pH:** 8.3 (1% solution)
 - **Melting Point:** Decomposes above 50°C
 - **Solubility:** Soluble in water
 - **Bulk Density:** Approx. 1.0 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under recommended conditions
- **Reactivity:** Reacts with acids releasing CO₂

- **Hazardous Decomposition Products:** Carbon dioxide, sodium carbonate
 - **Conditions to Avoid:** Excessive heat, moisture
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity
 - **Skin Irritation:** Mild, reversible
 - **Eye Irritation:** Mild irritation possible
 - **Carcinogenicity:** Not listed as carcinogenic
 - **Chronic Effects:** None known
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12. Ecological Information

- **Ecotoxicity:** Not harmful to aquatic life
 - **Persistence & Degradability:** Naturally occurring, biodegradable
 - **Bioaccumulative Potential:** None
 - **Mobility in Soil:** Low
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13. Disposal Considerations

- **Product Disposal:** Dispose in accordance with local regulations
 - **Packaging Disposal:** Empty containers may be recycled or disposed as per guidelines
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14. Transport Information (Detailed)

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

Transport by Road (ADR/RID):

- Not regulated
- No hazard label required

Transport by Sea (IMDG):

- Not classified as hazardous
- No marine pollutant

Transport by Air (IATA):

- Not restricted
- Safe for air transport

Special Transport Precautions:

- Protect from moisture
- Ensure packaging is intact to prevent dust release
- Avoid contact with acids during transportation

15. Regulatory Information

- **Regulatory Status:** Complies with IP standards
- **Chemical Inventories:** Listed or exempted
- **Labeling:** No hazard labeling required

16. Other Information

- **Intended Use:** Pharmaceutical and approved industrial applications only
- **Disclaimer:**

The information provided in this MSDS is believed to be accurate and reliable as of the date of issue. The user is responsible for compliance with all 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.