

Material Safety Data Sheet (MSDS)

Product Name: Sodium Benzoate Food 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 Benzoate

Chemical Name: Sodium Benzoate

Synonyms: Benzoic acid, sodium salt

Molecular Formula: $C_7H_5NaO_2$

Molecular Weight: 144.11 g/mol

Recommended Use: Food preservative, pharmaceutical formulation, cosmetic ingredient

2. Hazards Identification

Classification (GHS): Eye irritation, Category 2A; Skin irritation, Category 3

Signal Word: Warning

Hazard Statements:

- H319: Causes serious eye irritation.
- H316: Causes mild skin irritation.

Precautionary Statements:

- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves and eye protection.
- P305+P351+P338: If in eyes, rinse cautiously with water for several minutes.

3. Composition / Information on Ingredients

Substance: Sodium Benzoate

Chemical Formula: $C_7H_5NaO_2$

CAS Number: 532-32-1

Purity: Not less than 99.0% (Food Grade Quality)

Nature of Material: Single component, non-hazardous food-grade compound

4. First Aid Measures

- **Inhalation:** Move to fresh air. If breathing difficulty occurs, seek medical attention.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth. Drink plenty of water. Seek medical attention if discomfort occurs.

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical powder, foam, or CO_2 .
 - **Unsuitable Extinguishing Media:** None known.
 - **Specific Hazards:** May emit irritating fumes under fire conditions (carbon oxides, sodium oxides).
 - **Protective Equipment:** Wear self-contained breathing apparatus and protective clothing.
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6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use personal protective equipment.
 - **Environmental Precautions:** Prevent further leakage or spillage.
 - **Methods for Cleaning Up:** Sweep up and place in suitable container for disposal. Avoid dust generation.
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7. Handling and Storage

- **Handling:** Avoid contact with eyes and skin. Avoid breathing dust.
 - **Storage:** Store in a cool, dry, and well-ventilated area. Keep container tightly closed. Store away from moisture, acids, and oxidizing agents.
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8. Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established.
 - **Engineering Controls:** Use adequate ventilation.
 - **Personal Protective Equipment:**
 - Respiratory: Use mask in case of dust formation.
 - Eye Protection: Safety goggles.
 - Skin Protection: Gloves and protective clothing.
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9. Physical and Chemical Properties

Appearance: White crystalline powder

Odor: Odorless

pH (1% Solution): 7.0 – 8.5

Solubility: Freely soluble in water

Melting Point: Above 300°C (decomposes)

Boiling Point: Not applicable

Density: Approximately 1.44 g/cm³

Flash Point: Non-flammable

Stability: Stable under normal storage conditions

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Excessive heat, moisture.
- **Incompatible Materials:** Strong acids, oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides, sodium oxides.

11. Toxicological Information

- **Acute Toxicity (Oral, Rat):** LD₅₀ > 2000 mg/kg
- **Skin Corrosion/Irritation:** Mild irritation possible.
- **Eye Damage/Irritation:** Causes eye irritation.
- **Carcinogenicity:** Not classified as carcinogenic.
- **Mutagenicity/Reproductive Toxicity:** No evidence found.

12. Ecological Information

- **Ecotoxicity:** Low toxicity to aquatic organisms.
- **Persistence/Degradability:** Biodegradable.
- **Bioaccumulative Potential:** Low.
- **Mobility in Soil:** Moderate mobility in water.

13. Disposal Considerations

- **Product:** Dispose of in accordance with local, regional, and national regulations.
- **Packaging:** Dispose of as per approved industrial waste methods.

14. Transport Information (Detailed)

UN Number: Not regulated as a hazardous material.

UN Proper Shipping Name: Sodium Benzoate

Transport Hazard Class: Non-hazardous (Not classified under ADR/RID/IMDG/IATA)

Packing Group: Not applicable

Environmental Hazards: Not classified as marine pollutant.

Transport Labels Required: None

Transport Guidance:

- Ensure the product is well packed to prevent spillage or dust release during transport.
- Avoid transporting with strong acids or oxidizers.
- Keep containers tightly closed and upright to prevent leaks.
- No special transport precautions required under normal conditions.
- Recommended transport temperature: Ambient conditions.

Regulatory Transport Codes:

- ADR/RID (Road/Rail): Non-hazardous
- IMDG (Sea): Non-dangerous goods
- IATA (Air): Non-dangerous goods

15. Regulatory Information

- Complies with **Food Grade Specifications** under **FSSAI**, **FCC**, and **Codex Alimentarius** standards.
- Not listed as a hazardous chemical under Indian, EU, or US (TSCA) regulations.

16. Other Information**Disclaimer:**

The information provided above is believed to be accurate and represents the best data currently available. Users are advised to make their own determination as to the suitability of this material for their particular purposes.

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