

MATERIAL SAFETY DATA SHEET

Revision Date: 01.12.2025

1. Identification

Product Name: Sodium Benzoate

CAS No: 532-32-1

Synonym: Benzoic acid sodium salt

Recommended Use: Laboratory chemicals, Food preservative and pharmaceutical intermediate.

Details of the supplier of the safety data sheet

Company: Chemignition Laboratory, India.

Emergency Contact detail: www.chemignition.com

2. Hazard(s) identification

Classification (GHS): Not classified as hazardous under normal conditions.

Signal Word: None

Hazard Statements:

- May cause mild skin or eye irritation.
- Inhalation of dust may cause respiratory irritation.

Precautionary Statements:

- Avoid inhalation of dust.
- Wash hands after handling.
- Use adequate ventilation.

3. Composition/Information on Ingredients

Substance: Sodium Benzoate

Purity: $\geq 99\%$

Chemical Formula: $C_7H_5NaO_2$

Concentration: $\geq 98\%$

4. First-Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse cautiously with water for several minutes.

Ingestion: Rinse mouth with water. Seek medical advice if discomfort continues.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, CO₂, foam.

Specific Hazards: Emits toxic fumes of sodium oxides and benzoic acid on combustion.

Protective Equipment: Wear self-contained breathing apparatus.

6. Accidental release measures

Personal Precautions: Use PPE. Avoid breathing vapors.

Environmental Precautions: Prevent entry into sewers or water systems.

Cleanup Methods: Absorb with inert material and place in suitable container.

7. Handling and storage

Handle in well-ventilated area.

Avoid contact with eyes and skin.

Store in tightly closed container in a cool, dry place.

Keep away from moisture and strong acids.

8. Exposure Controls/Personal Protection

Respiratory Protection: Dust mask if needed.

Eye Protection: Safety goggles.

Skin Protection: Protective gloves and clothing.

Ventilation: Use local exhaust if dust is generated.

9. Physical and Chemical Properties

Appearance: White crystalline powder

Odor: Odorless

Boiling Point: Not applicable

Flash Point: Not applicable

Solubility: Solubility.

10. Stability and Reactivity

Stability: Stable under normal conditions.

Incompatible Materials: Strong acids, oxidizing agents.

Hazardous Decomposition: CO, CO₂, sodium oxides.

11. Toxicological Information

Acute Toxicity (oral, rat): LD₅₀ ≈ 4100 mg/kg

Skin / Eye Irritation: Mild irritant.

Chronic Effects: None known for normal exposure levels.



12. Ecological Information

Biodegradability: Readily biodegradable.

Aquatic Toxicity: Low toxicity to aquatic life.

13. Disposal Considerations

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a Hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information

UN Number: Not regulated.

Hazard Class: Non-hazardous for transport.

Packing Group: Not applicable.

15. Regulatory Information

TSCA: Listed

REACH: Compliant

GHS Label: Not hazardous under GHS classification.

16. Other Information

Prepared By: Chemignition Laboratory

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, Transportation, disposal and release and is not to be considered a warranty or quality specification. The information Relates only to the specific material designated and may not be valid for such material used in combination with any other Materials or in any process, unless specified in the text.

End of MSDS