
Material Safety Data Sheet

Product Name	<u>SODIUM BENZOATE</u>
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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF
THE COMPANY/UNDERTAKING**

1.1. Product Identification:**Product Name:** Sodium Benzoate**Synonyms:** Antimol; Benzoate of soda; Sodium benzoic acid; Benzoate sodium**CAS-No:** 532-32-1**EC-No.:** 208-534-8**Catalog Codes:** 11540, 21540**RTECS:** DH6650000**TSCA:** TSCA 8(b) inventory: Sodium Benzoate**CI#:** Not Available**Molecular Formula:** C₇H₅O₂Na**REACH Registration No:** Not Available**1.2. Relevant identified uses of the substance or mixture and uses advised against:****Identified Uses:** Food & Pharmaceutical Industry, Cosmetic Raw Material**1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta: Sanand, Dist.: Ahmedabad,
Email: info@finarchemicals.com
Web: www.finarchemicals.com
- **E-mail Address** safety@finarchemicals.com;
info@finarchemicals.com

1.4. Emergency Telephone Number:

- For Emergency Contact No: +91 - 2717 - 616 717,
- Registered office No: +91 - 79 - 40040085

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Physical Hazards: Not Classified

Health Hazards:

Eye Irritation, Category 2, H319

Environmental Hazards: Not Classified

2.2 Label Elements:

- Hazard Pictograms** :



- Signal Word** : Warning
- Hazard Statements** : H319 Causes Serious Eye Irritation

Precautionary Statements - Prevention:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Combustible Dust Hazard – May form combustible concentrations in air (During Processing)

2.3 Other Hazards:

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII: No.
P: Not available. B: Not available. T: No.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII: Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Sodium Benzoate – CAS No. – 532-32-1

3.2 Mixtures:

Component	CAS-No	EC-No.	Weight %
Sodium Benzoate	532-32-1	208-534-8	100%

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SECTION 4: FIRST AID MEASURES**4.1 Description of First Aid Measures:**

General information : Move affected person to fresh air at once. Get medical attention

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Swallowing: Do not induce vomiting. Dilute mouth with water or milk after rinsing. Immediately get medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:

Irritant effects, Nausea, Vomiting, Headache, Stomach/Intestinal disorder

4.3 Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Carbon dioxide (CO₂), Dry Chemical Powder, Chemical Foam or Alcohol Resistance Foam

Extinguishing media which must not be used for safety reasons

For this Substance/Mixture no limitations of extinguishing agents are given

5.2 Special hazards arising from the substance or mixture

Combustible

Risk of Dust Explosion

Development of Hazardous combustion gases or vapours possible in the event of fire

5.3 Special Protective Equipment for firefighters

Wear self-contained breathing apparatus. Wear Protective eye wears, gloves and clothing. Refer to Section 8

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5.4 Additional Information (Precautions)

Ensure adequate ventilation. Avoid contact with Skin, Eyes and Clothing.

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent Fire Extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consults an expert.

6.2 Environmental precautions:

Do not let products enter drains.

6.3 Methods and material for containment and cleaning up:

Sweep up and containerize for disposal. Avoid generating dusts. Always obey local regulations. Clean up spill immediately. Observe precautions of protective equipment.

6.4 Reference to other sections:

Disposal considerations: see section 13

For personal protection: see section 8

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Follow good hygiene procedure when handling chemical materials. Wash hands before breaks and immediately after handling the product. Do not eat, drink, smoke or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Minimize dust generation.

7.2 Conditions for safe storage, including any incompatibilities:

Keep tightly closed in a dry, cool and well-ventilated place. Store with like hazards. Keep away from food, drink and animal feeding stuffs. Protect from moisture.

7.3 Specific end use(s):

No Special Instruction

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control Parameters:****Other information on limit values: -**

TLV: N/A

OSHA PEL: N/A

OSHA PEL TWA (Total Dust): 15 mg/m³ACGIH TLV TWA (Inhalable Particles): 10mg/m³**8.2 Exposure Controls:**

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Normal ventilation is adequate. Remove contaminated clothing and protective equipment before entering eating areas.

Personal Protective Equipment:

- **Eye/face protection:** Safety glasses with side-shields conforming to EN166. Do not wear contact lenses.
- **Skin protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place. Long sleeved clothing, Lightweight protective clothing
- **Hand Protection:** Protective gloves complying with EN 374. Nitrile Rubber gloves the suitability for a specific workplace should be discussed with the producers of the protective gloves. Gloves Thickness – 0.11 mm and Break through Time - > 480 min
- **Respiratory Protection:** Required when dusts are generated.
Recommended Filter type: Filter P 2 (acc. to DIN 3181) for solid and liquid particles of harmful substances
The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
- **Control of Environmental Exposure:** No special environmental precautions required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties:****Physical state and appearance:** White Powder**Odour:** Odourless**Odour Threshold:** Not Applicable**Taste:** Sweetish, astringent**Color:** White

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pH Value: 7.0 – 8.5 in aqueous solution, 25 °C.

Molecular Weight: 144.11 g/mol

Melting Point: >300°C (572°F)

Boiling Point: > 450 °C - < 475 °C, at 1,013 hPa, Method: OECD Test Guideline 103

Flash Point (Closed Cup): > 100 °C

Critical Temperature: Not Available

Specific Gravity: 1.4 (Water = 1)

Vapor Pressure: Not Applicable

Vapor Density: 4.97 (Air =1)

Relative Density: 1.440 g/cm³

Partition coefficient (n-octanol/water): log Pow: -2.13

Volatility: Not available

Dispersion Properties: See solubility in water

Solubility: Easily soluble in cold water & hot water

9.2 Other information:

Molecular Formula: C₇H₅O₂Na

Molecular Weight: 144.11 g/mol

Ignition Temperature: > 500 °C

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Risk of Dust explosion

10.2 Chemical Stability: Stable under standard ambient condition (Room Temperature)

10.3 Possibility of Hazardous Reactions: Violent reactions possible with strong oxidizing agents and strong Acids.

10.4 Conditions to Avoid: Dust generation. Exposure to moisture or water

10.5 Incompatible Materials: Strong oxidizing agents, Strong Acids, Ferric Salts

10.6 Hazardous Decomposition Products: Carbon oxides, Sodium oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Product Information:

Toxicology data for the components:

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LD50 Oral	LD50 Dermal
3140 mg/kg	Not Available

Remark: - Nausea, Vomiting, Stomach/intestinal disorders

Inhalation

Symptoms: Possible symptoms:, mucosal irritations

Skin contact

Rabbit

Result: - No Irritation

Eye contact

Rabbit

Result: - Irritation. Causes serious eye irritation

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Aquatic Toxicity:

Toxicity to fish: flow-through test LC50 Pimephales promelas (fathead minnow): 484 mg/l; 96 h

Analytical monitoring: yes

US-EPA

Toxicity to daphnia and other aquatic invertebrates: Static test EC50 Daphnia magna (Water flea): > 100 mg/l; 48 h (ECHA)

Toxicity to algae: Static test ErC50 Pseudokirchneriella subcapitata (green algae): > 100 mg/l; 72 h

Analytical monitoring: yes

OECD Test Guideline 201

12.2 Persistence and degradability Persistence:

Biodegradation

ca. 90 %; 28 d; aerobic

OECD Test Guideline 301B

Readily biodegradable

12.3 Bio Accumulative Potential:

Partition coefficient: n-octanol/waterlog Pow: -2.27

(calculated) (Lit.) Bioaccumulation is not expected.

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12.4 Mobility in soil: Not Available

12.5 Results of PBT and vPvB Assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other Adverse Effects:

Surface tension 72.9 mN/m at 20 °C

Method: OECD Test Guideline 115

Similar to water Discharge into the environment must be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: TRANSPORT INFORMATION

	Land Transport (ADR/RID)	Air Transport (IATA)	Sea Transport (IMDG)
14.1 UN number	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.
14.2 Proper shipping name			
14.3 Class			
14.4 Packing group			
14.5 Environmentally hazardous			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			
Not Relevant			

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SECTION 15: REGULATORY INFORMATION

- **Federal and State Regulations:** TSCA 8(b) inventory: Sodium benzoate
- **Other Regulations:**
 OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
Other Classifications:
WHMIS (Canada): Not controlled under WHMIS (Canada)
DSCL (EEC): R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R36/38- Irritating to eyes and skin. R63- Possible risk of harm to the unborn child. S24/25- Avoid contact with skin and eyes.
- **HMIS (U.S.A.):**
Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection: E
- **National Fire Protection Association (USA):**
Health: 2
Flammability: 1
Reactivity: 0
Special Hazards:
- **Protective Equipment:**
 Gloves, Lab coat, Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses use.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Legend:**

CAS - Chemical Abstracts Service , TSCA - United States Toxic Substances Control Act Section 8(b) Inventory , EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances, RPE - Respiratory Protective Equipment, LD50 - Lethal Dose 50%, LC50 - Lethal Concentration 50%, EC50 - Effective Concentration 50%, Water, PBT - Persistent, Bio accumulative, Toxic,

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vPvB - very Persistent, very Bio accumulative, ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road, ICAO/IATA - International Civil Aviation Organization/International Air Transport Association, OECD - Organization for Economic Co-operation and Development, ATE - Acute Toxicity Estimate.

References: Not available

Created: 22/11/2019

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