



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
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admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Sodium Benzoate *SDS*

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

CAS 532-32-1

EC 208-534-8

SIGNAL WORD **DANGER**

GHS07

Harmful / Irritant

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name	Sodium Benzoate
Product Type	Industrial chemical — sodium salt of benzoic acid
Chemical Family	Benzoate salt / aromatic carboxylate
CAS No.	532-32-1
EC No.	208-534-8
Intended Use	Industrial / professional use: preservative, corrosion inhibitor, intermediate in chemical synthesis, food/pharmaceutical-grade (confirm suitability before use).
Restrictions on Use	Industrial / professional use only. Confirm suitability for final application before use.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/sodium-benzoate
SDS Revision	July 2026
SDS Version	3.1



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SECTION 2 HAZARD IDENTIFICATION

GHS/CLP Classification: Eye Irritation, Category 2 (H319). Not classified for other GHS hazard classes based on reviewed source data.

Signal Word	WARNING
GHS Pictograms	GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H319 — Causes serious eye irritation

PRECAUTIONARY — PREVENTION

- P260 — Do not breathe dust / vapours / spray.
- P264 — Wash hands and exposed skin thoroughly after handling.
- P271 — Use only outdoors or in a well-ventilated area.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY — RESPONSE / STORAGE / DISPOSAL

- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P337+P313 — If eye irritation persists: Get medical advice / attention.
- P501 — Dispose of contents / container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Sodium Benzoate	532-32-1	208-534-8	100	Eye Irrit. 2: H319

Substance is sold as 100% sodium benzoate. Full text of H-statements listed in Section 16.



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SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. Keep at rest in a comfortable position for breathing. Seek medical advice if symptoms (coughing, irritation) persist.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact	Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do — continue rinsing. Seek medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if large amounts are swallowed.
Note to Physician	Treat symptomatically based on exposure route and product hazards. No specific antidote known.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, dry powder, CO ₂ , foam. Use media appropriate to surrounding fire.
Unsuitable Media	Do not use a direct high-pressure water jet where it may spread the material.
Specific Hazards	Sodium benzoate is a combustible solid. Dust or fine particulate may form irritating or combustible atmospheres. Thermal decomposition may produce carbon oxides (CO, CO ₂) and irritating / toxic fumes. Containers may build pressure when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA) not reliant on the surrounding atmosphere.
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-fighting run-off from entering drains and waterways. Cool exposed containers with water.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate area. Keep unnecessary personnel away. Wear appropriate PPE as described in Section 8. Avoid raising dust. Ensure adequate
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	ventilation.
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses. Notify relevant authorities if significant environmental release occurs.
Containment / Clean-up	Sweep or vacuum up carefully to avoid dust generation; collect in labelled, compatible, closed containers. Do not flush to drain. Dispose via approved waste contractor.
Reference to Sections	See Section 8 for PPE; Section 13 for disposal; Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use adequate local exhaust ventilation. Avoid generating dust. Avoid contact with skin, eyes, and clothing. Avoid inhalation of dust. Keep container tightly closed when not in use.
Hygiene	Wash hands and exposed skin after handling. Remove contaminated clothing before reuse. Do not eat, drink, or smoke when using this product.
Storage Conditions	Store in original, tightly closed, compatible containers in a cool, dry, well-ventilated area away from heat sources, moisture, and direct sunlight. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature (typically 15–30°C) unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, permanganates, peroxides, chlorine). Concentrated acids (acidification releases benzoic acid). Aluminium chloride under elevated temperature.
Segregation	Segregate from food, drink, animal feed, strong oxidisers, and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No specific OEL established by OSHA, NIOSH, ACGIH, or India CPCB/MSIHC for sodium benzoate (CAS 532–32–1) at time of issue. Apply ALARA / good industrial hygiene practice. Verify current local OELs with supplier SDS before use.
Engineering Controls	Use closed handling systems or local exhaust ventilation (LEV) to control dust. Ensure general workplace ventilation meets minimum



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	standards. Provide eyewash stations and safety shower where handling occurs.
Respiratory Protection	Where dust generation cannot be adequately controlled by engineering means, use a NIOSH/EN-approved P95 / FFP2 (or higher) particulate respirator. Use SCBA in emergency situations or if OEL exceeded.
Hand / Eye / Skin	Gloves: chemical-resistant nitrile, butyl, or neoprene; select glove thickness / breakthrough time appropriate for the task. Eyes/Face: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield where splash risk exists. Skin/Body: chemical-resistant lab coat or coverall and safety footwear. Provide eyewash and emergency shower.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder or granules
Odour	Odourless (or faint benzaldehyde-like odour)
Odour Threshold	Not established
pH	Approx. 7.5–8.5 (1% aqueous solution at 25°C); confirm from supplier COA/SDS for specific grade
Melting / Freezing Point	Approx. 300°C (decomposes; no sharp melting point for the sodium salt)
Boiling Point / Range	Not applicable — sodium benzoate decomposes before boiling (decomposes >300°C under OECD 103 method)
Flash Point	Not applicable — non-flammable solid salt; no flash point
Auto-ignition Temperature	>500°C
Flammability Limits	Not applicable (non-flammable solid; combustible dust hazard possible — assess per local dust-explosion regulations)
Vapour Pressure	Negligible at ambient temperature (>100°C conditions); essentially non-volatile solid
Vapour Density (air = 1)	Not applicable (solid)
Relative Density	1.44–1.50 g/cm ³ (OECD Guideline 109)
Solubility in Water	Freely soluble in water (approx. 556 g/L at 20°C); sparingly soluble in ethanol
Log Pow (Partition Coeff.)	–2.27 (calculated)
Evaporation Rate	Not applicable (solid)
Viscosity	Not applicable (solid)



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VOC Content	Negligible (solid inorganic salt); assess per applicable regional VOC regulations
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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, moisture, contamination, direct sunlight, and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids (acidification precipitates benzoic acid). Aluminium chloride at elevated temperatures.
Hazardous Decomposition	Thermal decomposition above 300°C may produce carbon oxides (CO, CO ₂) and irritating / toxic organic fumes.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD ₅₀ (rat, oral): approx. 4,070–4,100 mg/kg (published literature; low acute oral toxicity). Classified as practically non-toxic by this route. Confirm with supplier test data.
Acute Dermal Toxicity	No specific LD ₅₀ data identified in reviewed sources; not classified for acute dermal toxicity.
Acute Inhalation Toxicity	No specific LC ₅₀ data identified in reviewed sources; dust inhalation may cause respiratory irritation. Not classified for acute inhalation toxicity.
Skin Irritation	Not classified as a skin irritant based on available data. Mild irritation possible on prolonged or repeated contact.
Eye Irritation	Classified: Eye Irritation Category 2 (H319) — Causes serious eye irritation.
Sensitisation	Not classified as a skin or respiratory sensitiser based on available data.
Carcinogenicity	Not classified as a carcinogen. Not listed as carcinogenic by IARC, NTP, ACGIH, or OSHA at time of issue.
Mutagenicity	Not classified as mutagenic / genotoxic based on reviewed data.



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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified from reviewed data. Published data indicate moderate acute toxicity to aquatic organisms (e.g. <i>Daphnia magna</i> LC ₅₀ > 100 mg/L). Avoid uncontrolled release to water.
Persistence / Degradability	Sodium benzoate is considered readily biodegradable under aerobic conditions. Supplier / ECHA data should be consulted for specific test results.
Bioaccumulation	Log Pow -2.27 — bioaccumulation in organisms not expected.
Mobility in Soil	Highly water-soluble; mobile in soil and groundwater. Prevent release to soil and watercourses.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents and residues through an authorised waste contractor in accordance with local regulations. Do not discharge to sewer, drain, or watercourse without regulatory authorisation.
Contaminated Packaging	Empty containers may retain product residues. Handle as potentially hazardous until cleaned to residue-free standard or disposed of via approved waste route. Follow local packaging waste regulations.
Indian Regulations	Follow applicable provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, Water (Prevention & Control of Pollution) Act, and State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Class	Not regulated	Not regulated	Not regulated
Packing Group	N/A	N/A	N/A
Marine Pollutant	No	No	—



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Sodium benzoate (CAS 532–32–1) is not listed as a dangerous good under ADR, IMDG, or IATA–DGR at time of issue. Verify current carrier and customs requirements before each shipment. Use approved, compatible, sealed containers. UN–certified packaging required if reclassified for bulk international transport.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP

Sodium benzoate is subject to REACH registration requirements for volumes ≥ 1 tonne/year. Classified and labelled according to CLP Regulation (EC) No 1272/2008 as per Section 2. Consult the ECHA C&L Inventory and relevant registration dossier (CAS 532–32–1).

OSHA (USA)

Covered under OSHA Hazard Communication Standard (HCS / HazCom 2012, 29 CFR 1910.1200). This SDS is prepared in the required 16–section format.

India

Comply with applicable provisions of the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules 1989 (as amended), Factories Act, Environmental Protection Act, Water and Air Pollution Control Acts, Hazardous Waste Management Rules, and CPCB guidelines.

Other Jurisdictions

Canada WHMIS 2015 / HPR: classify and label using Section 2 classification; bilingual SDS/label required for Canadian sale. USA TSCA: verify TSCA inventory status before US import or distribution. Australia AICS: confirm inventory listing before export or import. China: apply applicable GB/T SDS and GHS classification requirements. GCC/Middle East: observe applicable GHS–aligned local regulations. Final market placement requires confirmation of local OELs, transport classification, waste code, and inventory status.

SECTION 16 OTHER INFORMATION

Prepared By

Supreme Petro Chemicals — Technical Department

SDS Standard

UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16–section format

Revision Date

24 June 2026

Version

3.0 (supersedes prior issues)

Disclaimer

Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance with all applicable



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laws and regulations. **Supreme Petro Chemicals** shall not be liable
for any loss, injury, or damage resulting from reliance on this
information.

FULL TEXT OF H-STATEMENTS

- H319 — Causes serious eye irritation
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