



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)

Benzoic Acid *SDS*

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

CAS 65-85-0

EC 200-618-2

SIGNAL WORD **DANGER**

GHS05

Corrosion / Serious Eye Damage

GHS07

Exclamation Mark (Irritant)

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

Product Name	Benzoic Acid
Product Type	Organic acid
Chemical Family	Aromatic carboxylic acid
CAS No.	65-85-0
EC No.	200-618-2
Intended Use	Preservative and intermediate for chemical manufacturing.
Restrictions on Use	Industrial / professional use only.
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/benzoic-acid
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Eye Dam. 1 (H318); STOT SE 3 (H335)

GHS Classification	Eye Dam. 1; STOT SE 3
Signal Word	DANGER



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GHS Pictograms	GHS05 (Corrosion / Serious Eye Damage) GHS07 (Exclamation Mark / Irritant)
Other GHS Hazard Classes	Not classified for hazard classes not listed above, based on reviewed source data.

HAZARD STATEMENTS

- H318 — Causes serious eye damage
- H335 — May cause respiratory irritation

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust / vapours.
- 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

- P301+P312 — IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
- 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.
- P310 — Immediately call a POISON CENTER or doctor.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- 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
Benzoic Acid	65-85-0	200-618-2	100	Eye Dam. 1 (H318); STOT SE 3 (H335)

Full text of H-statements listed in Section 16.



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SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. If breathing is difficult, seek medical attention. Keep at rest in a position comfortable for breathing.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice immediately.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Serious eye damage (H318): ophthalmologic assessment required.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical powder or carbon dioxide. Benzoic acid dust dispersed in air may support combustion.
Unsuitable Media	Direct high-pressure water jet that may disperse dust or spread the material.
Specific Hazards	Combustible solid. Dust or fine particulate may form combustible atmospheres. Avoid dust clouds and ignition sources. Containers may rupture when heated. Combustion produces carbon oxides and irritating fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Prevent contaminated fire-fighting run-off from entering drains and waterways. Cool containers with water spray if exposed to fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid generating dust. Use dust-controlled sweeping or vacuum methods. Wear appropriate PPE (see Section 8). Keep unnecessary personnel away.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify authorities if significant spillage reaches waterways.



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Containment / Clean-up	Sweep or vacuum using dust-controlled methods. Collect material into labelled, closed containers for disposal through an approved waste contractor. Avoid dry sweeping that generates dust clouds.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid breathing dust and eye contact. Minimise dust generation. Keep containers tightly closed when not in use. Use in well-ventilated areas.
Hygiene	Wash hands thoroughly 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 dry, well-ventilated area away from strong oxidisers. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (unless supplier instructions specify otherwise).
Incompatible Materials	Strong oxidisers (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride (AlCl_3) under elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Benzoic Acid (CAS 65-85-0): No universally established OEL. Apply ALARA / good industrial hygiene practice. Verify current OSHA / NIOSH / ACGIH / EU / India OEL values with supplier and applicable national authority.
Engineering Controls	Use closed handling systems or local exhaust ventilation (LEV) to control dust, mist or vapour. Ensure adequate general ventilation. Explosion-proof ventilation recommended where dust clouds may arise.
Respiratory Protection	Where ventilation is inadequate, use a NIOSH/EN149 approved respirator with P95/P100 particulate filter cartridge. Use SCBA for emergencies.



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Hand / Eye / Skin

Hands: chemical-resistant gloves (nitrile, butyl or neoprene); select appropriate thickness and breakthrough time. Eyes/Face: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield where dust or splash risk is high. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash station and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline solid
Odour	Faint, characteristic (slightly aromatic)
Odour Threshold	Not established
pH	Acidic in aqueous solution (ca. 2.8 at 25°C, saturated solution)
Melting / Freezing Point	122 °C
Boiling Point / Range	249 °C
Flash Point	121 °C (closed cup; combustible solid)
Auto-ignition Temperature	570 °C
Flammability Limits	Not established for solid form
Vapour Pressure	Very low (≤ 0.1 hPa at 20°C)
Vapour Density (air = 1)	4.21 (calculated; MW 122.12 g/mol)
Relative Density	1.32 g/cm ³ at 20°C
Solubility in Water	Slightly soluble (3.4 g/L at 20°C)
Log Pow (Partition Coeff.)	1.87
Evaporation Rate	Not applicable (solid)
Viscosity	Not applicable (solid)
VOC Content	Not applicable (solid)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above flash point, ignition sources, dust cloud formation, contamination and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride (AlCl ₃) under elevated temperature.
Hazardous Decomposition	Carbon oxides (CO, CO ₂) and irritating or toxic fumes may be formed on combustion or thermal decomposition.



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Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage and handling conditions.
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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD ₅₀ (rat, oral): ~1700 mg/kg (literature; classified as low acute oral toxicity). Not classified for acute oral toxicity under GHS.
Acute Dermal Toxicity	LD ₅₀ (rabbit, dermal): >2000 mg/kg (literature). Not classified for acute dermal toxicity under GHS. May cause mild irritation on prolonged contact.
Acute Inhalation Toxicity	LC ₅₀ data not established for solid. Dust may irritate the respiratory tract (H335: STOT SE 3). Avoid inhalation of dust.
Skin Irritation	May cause mild skin irritation on prolonged or repeated contact. Not classified as a skin irritant under GHS from reviewed data.
Eye Irritation	Causes serious eye damage (H318; Eye Dam. 1). Dust contact can cause severe and potentially irreversible eye injury. Seek immediate medical attention.
Sensitisation	Not classified as a skin or respiratory sensitiser based on reviewed data.
Carcinogenicity	Not listed as a carcinogen by IARC, NTP or OSHA. No carcinogenicity classification under GHS from reviewed data.
Mutagenicity	Not classified as a mutagen under GHS from reviewed data. Additional endpoint data requires supplier or test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Acute: LC ₅₀ (fish, 96 h) and EC ₅₀ (Daphnia) data variable in literature; no aquatic hazard classification identified in Section 2 from reviewed data. Avoid release to aquatic environments.
Persistence / Degradability	Benzoic acid is considered readily biodegradable under aerobic conditions. Verify with supplier or ECHA/PubChem data for specific conditions.
Bioaccumulation	Log Pow 1.87; low bioaccumulation potential. BCF data requires supplier or verified database confirmation.
Mobility in Soil	Slightly soluble; moderate mobility in soil. Assess from solubility and adsorption potential. Prevent release to soil and groundwater.



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Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.
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SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with applicable local, state and national regulations. Do not dispose of down drains or into the environment.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Decontaminate packaging before reuse or send for authorised recycling / disposal.
Indian Regulations	Follow applicable Hazardous Waste (Management, Handling and Transboundary Movement) Rules and 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 applicable	Not applicable	Not applicable
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not applicable	Not applicable	Not applicable
Marine Pollutant	No	No	N/A

Benzoic acid at commercial purity is generally not regulated as a dangerous good under ADR, IMDG or IATA. Dangerous goods status must be verified against current ADR/IMDG/IATA criteria and product grade before each shipment. Use UN-certified packaging appropriate to the product form. Verify current carrier requirements before shipment. NOTE: A reference to a 'Class 3' placard appearing in a prior SDS version was erroneous – benzoic acid is not a flammable liquid and does not attract a Class 3 classification.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled according to EU CLP Regulation (EC) No 1272/2008 consistent with GHS classification in Section 2. Observe REACH requirements where applicable (registration, restriction, authorisation).
OSHA (USA)	Prepared in OSHA HCS / HazCom 2012 aligned 16-section SDS format. Verify TSCA inventory and SNUR status before US import or



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	distribution.
India	Observe applicable Indian MSIHC Rules, Factories Act, Hazardous Waste Management Rules, environment and Pollution Control Board requirements.
Other Jurisdictions	Canada: Classify and label under WHMIS 2015 / HPR; bilingual SDS/label and ingredient disclosure required for Canadian sale. China: Apply GB/T SDS and classification requirements where marketed. Australia: Check AICS inventory before import. GCC / Middle East: Apply GHS-aligned local requirements.

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.

FULL TEXT OF H-STATEMENTS

- H318 — Causes serious eye damage
- H335 — May cause respiratory irritation