



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)

Benzyl Alcohol *SDS*

CAS **100-51-6** EC **202-859-9** SIGNAL WORD **DANGER**

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

GHS07

Harmful / Exclamation Mark

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

Product Name	Benzyl Alcohol
Product Type	Alcohol / solvent
Chemical Family	Aromatic alcohol
CAS No.	100-51-6
EC No.	202-859-9
Intended Use	Solvent, intermediate and preservative component.
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/benzyl-alcohol
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Acute Tox. 4 (Oral) – H302; Acute Tox. 4 (Inhalation) – H332; Eye Irrit. 2 – H319

GHS Classification	Acute Toxicity Category 4 (Oral, Inhalation); Eye Irritation Category 2
Signal Word	WARNING
GHS Pictograms	GHS07 — Harmful / Exclamation Mark



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Other Hazard Classes

Not classified for unlisted hazard classes based on reviewed source data.

HAZARD STATEMENTS

- H302 — Harmful if swallowed
- H319 — Causes serious eye irritation
- H332 — Harmful if inhaled

PRECAUTIONARY — PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY — RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- 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.
- P331 — Do NOT induce vomiting.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.



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- 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
Benzyl Alcohol	100-51-6	202-859-9	100	Acute Tox. 4 (H302, H332); Eye Irrit. 2 (H319)

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove exposed person to fresh air immediately. Keep at rest in a position comfortable for breathing. If symptoms persist or breathing is difficult, seek medical attention.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation or 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 medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice immediately. Call a POISON CENTER or doctor.
Note to Physician	Treat symptomatically based on exposure route and product hazards. No specific antidote known. Supportive treatment.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide (CO ₂), water spray / fog. Use water spray to cool exposed containers.
Unsuitable Media	Direct high-pressure water jet (may spread burning liquid).
Specific Hazards	Combustible liquid (flash point 93 °C). Combustion produces carbon monoxide, carbon dioxide and irritating fumes. Containers may rupture when exposed to heat or flame. Vapour/air mixtures may be flammable.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel from the area.



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Special Procedures	Prevent contaminated firefighting run-off from entering drains and waterways. Cool containers with water spray from a safe distance.
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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate or isolate the area. Eliminate ignition sources. Ventilate area. Wear appropriate PPE (see Section 8). Avoid breathing vapours.
Environmental Precautions	Prevent entry into drains, sewers, watercourses and soil. Notify relevant authorities if significant release occurs.
Containment / Clean-up	Absorb spill with inert material (dry sand, vermiculite, earth). Collect in labelled, sealed containers for disposal. Avoid generating dust or vapour. Flush area with water after removal.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal, Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid inhalation of vapours. Avoid contact with eyes, skin and clothing. Use only in well-ventilated areas or with local exhaust ventilation. Keep away from heat, sparks and open flames.
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. Store in a cool, dry, well-ventilated area away from direct sunlight and ignition sources.
Storage Temperature	Ambient temperature (15–25 °C recommended); avoid freezing (freezing point –15 °C).
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Avoid contact with aluminium chloride at elevated temperatures.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals. Store away from oxidisers and strong acids.



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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Benzyl Alcohol (CAS 100–51–6): No universal OEL established. Use ALARA / good industrial hygiene practice. Verify current OEL with local authority (OSHA/NIOSH/ACGIH/EU/India CPCB/DGFASLI).
Engineering Controls	Use closed handling systems or local exhaust ventilation to control vapour and mist. Use explosion-proof ventilation equipment and earthing/bonding for liquid transfer operations.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN 143-approved respirator with organic vapour cartridge. Use SCBA for emergencies or confined-space entry.
Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl rubber or neoprene recommended); select based on breakthrough time for this product. Eyes/Face: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-resistant apron and safety footwear. Provide eyewash station and safety shower in the work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Mild aromatic odour (faintly rose-like)
Odour Threshold	Not established
pH	Not applicable (neat liquid; verify from supplier CoA for aqueous grades)
Melting / Freezing Point	–15 °C
Boiling Point / Range	205 °C at 1013 hPa
Flash Point	93 °C (closed cup — Pensky–Martens)
Auto-ignition Temperature	436 °C
Flammability Limits	LEL ~1.3% v/v; UEL ~13% v/v (indicative — verify with supplier)
Vapour Pressure	~0.13 hPa at 20 °C (low)
Vapour Density (air = 1)	3.7 (MW 108; air = 29)
Relative Density	1.04 at 20 °C
Solubility in Water	Partly soluble (~40 g/L at 20 °C)
Log Pow (Partition Coeff.)	1.1
Evaporation Rate	Slow (relative to n-butyl acetate = 1)
Viscosity	Liquid; moderate viscosity (~5.8 mPa·s at 20 °C)



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VOC Content	100% (neat solvent)
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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, open flames, ignition sources, contamination and incompatible materials. Avoid freezing.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Reactive with aluminium chloride (AlCl_3) under elevated temperature — not a concern in ambient storage or blending.
Hazardous Decomposition	Carbon monoxide, carbon dioxide and irritating organic fumes may be formed under fire or thermal decomposition conditions.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Harmful if swallowed. Rat oral $\text{LD}_{50} \approx 1230\text{--}1620$ mg/kg (GHS Category 4). See Section 2: H302.
Acute Dermal Toxicity	Not classified based on available data. Rabbit dermal $\text{LD}_{50} > 2000$ mg/kg (indicative). Confirm with supplier toxicology data.
Acute Inhalation Toxicity	Harmful if inhaled. Rat inhalation LC_{50} (4h) reported > 2 mg/L vapour (GHS Category 4). See Section 2: H332.
Skin Irritation	Not classified as a skin irritant based on reviewed data. May cause mild defatting with prolonged or repeated contact.
Eye Irritation	Causes serious eye irritation (GHS Eye Irrit. Category 2). See Section 2: H319.
Sensitisation	Not classified as a skin or respiratory sensitiser based on available data. Confirm with supplier.
Carcinogenicity	Not listed as a carcinogen by IARC, NTP or ACGIH based on available data.
Mutagenicity	Not classified as a mutagen based on available data. In vitro Ames test results reported negative. Confirm with supplier.



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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No formal aquatic classification in Section 2. Fish LC ₅₀ (96h) and Daphnia EC ₅₀ (48h) data not universally confirmed; avoid uncontrolled release to water bodies. Obtain supplier ecotoxicity data if required for registration.
Persistence / Degradability	Benzyl alcohol is reported as readily biodegradable under aerobic conditions. Confirm with supplier/registration data.
Bioaccumulation	Log Pow 1.1 — low bioaccumulation potential. BCF estimated < 100.
Mobility in Soil	Partly water-soluble; may leach to groundwater. Prevent release to soil and groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local/national hazardous waste regulations. Do not pour down drains or into water bodies.
Contaminated Packaging	Empty containers may retain product residues; handle as hazardous until cleaned or disposed of via an approved route. Triple-rinse returnable containers.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 (as amended) and applicable CPCB/SPCB pollution-control requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated (flash point 93 °C)	Not regulated (flash point 93 °C)	Not regulated (flash point 93 °C)
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	No



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Benzyl alcohol flash point (93 °C) exceeds the Class 3 Flammable Liquid threshold under ADR/IMDG/IATA (60 °C PG III cut-off).
Transport as general cargo in approved compatible containers. Verify current transport classification with carrier and consult latest ADR/IMDG/IATA editions before shipment. Use UN-certified packaging for international transport.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Subject to REACH registration requirements. Classified and labelled per CLP Regulation (EC) No. 1272/2008 as listed in Section 2. Observe REACH Annex II SDS requirements.
OSHA (USA)	Prepared in OSHA HCS / HazCom 2012 (29 CFR 1910.1200) aligned 16-section SDS format. Verify TSCA inventory status before US import or distribution.
India	Observe applicable Indian MSIHC Rules 1989 (as amended), Factories Act, Environment Protection Act, Hazardous Waste Rules 2016, and CPCB/SPCB requirements. Subject to applicable VOC and storage regulations.
Other Jurisdictions	Canada: Classify/label under WHMIS 2015/HPR; bilingual SDS and ingredient disclosure may be required for Canadian sale. China: Use applicable GB/T SDS and classification requirements. GCC/Middle East: Observe GHS-aligned local requirements. Australia: Check AICS inventory status before import. Final market placement requires confirmation of inventory status, local OELs, transport classification, waste code and restrictions.

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)
Key Sources	SPC product page; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem CID 244 (Benzyl Alcohol); ECHA substance page; NIOSH/OSHA and public supplier SDS references. Accessed June 2026.
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is



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responsible for safe use, handling and compliance with all applicable
laws and regulations.

FULL TEXT OF H-STATEMENTS

- H302 — Harmful if swallowed
- H319 — Causes serious eye irritation
- H332 — Harmful if inhaled