



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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SAFETY DATA SHEET (SDS)

Di Butyl Phthalate (DBP) *SDS*

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

CAS 84-74-2 EC 201-557-4 SIGNAL WORD DANGER

GHS08

Health Hazard

GHS09

Environmental Hazard

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

Product Name	Di Butyl Phthalate (DBP)
Product Type	Dibutyl phthalate plasticizer
Chemical Family	Phthalate ester
CAS No.	84-74-2
EC No.	201-557-4
Intended Use	Industrial / professional chemical use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Do not use in consumer or medicinal applications unless separately qualified.
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/di-butyl-phthalate-dbp
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

GHS Classification: Repr. 1B; Aquatic Acute 1; Aquatic Chronic 2



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Signal Word	DANGER
GHS Pictograms	GHS08 (Health Hazard) GHS09 (Environmental Hazard)

HAZARD STATEMENTS

- H360 — May damage fertility or the unborn child
- H400 — Very toxic to aquatic life
- H411 — Toxic to aquatic life with long lasting effects

PRECAUTIONARY — PREVENTION

- P201 — Obtain special instructions before use.
- P202 — Do not handle until all safety precautions have been read and understood.
- P260 — Do not breathe vapours or spray.
- P263 — Avoid contact during pregnancy and while nursing.
- P270 — Do not eat, drink or smoke when using this product.
- 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.
- P308+P313 — IF exposed or concerned: Get medical advice/attention.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P391 — Collect spillage.
- 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
Dibutyl phthalate	84-74-2	201-557-4	99-100	Repr. 1B; Aquatic Acute 1; Aquatic Chronic 2

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air. Avoid exposure during pregnancy; obtain medical attention after significant exposure.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap. 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. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical, carbon dioxide or water spray.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Combustion may produce carbon oxides and irritating smoke. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid skin contact. Use absorbent material and collect as hazardous waste. Use appropriate PPE as specified in Section 8.
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Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Report spills to relevant environmental authorities as required.
Containment / Clean-up	Prevent release to drains. Use absorbent and collect spilled material into labelled containers for disposal through an approved waste contractor.
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 exposure, especially for pregnant workers. Store closed away from oxidisers and environmental release pathways.
Hygiene	Wash hands 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. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidisers and product-specific incompatible substances; see supplier SDS before use.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Dibutyl phthalate (CAS 84-74-2): use verified local OEL where established; otherwise apply ALARA / good industrial hygiene principles. Supplier and regional OEL confirmation required. OSHA PEL: 5 mg/m ³ (8h TWA). ACGIH TLV: 5 mg/m ³ (8h TWA).
Engineering Controls	Use closed handling systems / local exhaust ventilation for mist, vapour or aerosol. Provide general ventilation to keep airborne concentrations below OELs.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergencies or high-concentration scenarios.
Hand / Eye / Skin	Gloves: compatible chemical-resistant gloves, e.g. nitrile, butyl, neoprene or PVC; select for breakthrough time and task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash



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risk. Body: chemical-resistant clothing/apron and safety footwear.
Provide eyewash station and safety shower.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless to faint yellow oily liquid.
Odour	Slight aromatic odour.
Odour Threshold	Not established.
pH	Not applicable (neat liquid, non-aqueous). For aqueous dilutions verify from supplier COA/SDS.
Melting / Freezing Point	–35 °C (approx.)
Boiling Point / Range	Approx. 340 °C
Flash Point	Approx. 157 °C (closed cup)
Auto-ignition Temperature	Approx. 402 °C (literature value; verify from supplier data)
Flammability Limits	Not established (low volatility at ambient temperature).
Vapour Pressure	Very low (≤ 0.001 mmHg at 20 °C).
Vapour Density (air = 1)	9.6 (air = 1) (calc. from MW 278.35)
Relative Density	Approx. 1.05 (at 20 °C)
Solubility in Water	Slightly soluble (approx. 11.2 mg/L at 25 °C).
Log Pow (Partition Coeff.)	Approx. 4.5
Evaporation Rate	Not established.
Viscosity	See supplier specification.
VOC Content	Assess per applicable regional VOC regulations.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride ($AlCl_3$) under elevated temperature – not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides and irritating or toxic fumes may be formed in fire.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.



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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat, oral): approx. 8,000 mg/kg (low acute oral toxicity). See supplier/ECHA data for confirmation.
Acute Dermal Toxicity	Not classified for acute dermal toxicity. Numeric endpoint data requires supplier/test confirmation.
Acute Inhalation Toxicity	Low volatility limits inhalation risk at ambient temperature; avoid mist/aerosol exposure. Endpoint data requires supplier/test confirmation.
Skin Irritation	May cause mild skin irritation. Endpoint-specific data requires supplier confirmation.
Eye Irritation	May cause mild eye irritation. Endpoint-specific data requires supplier confirmation.
Sensitisation	Not classified as a skin or respiratory sensitiser. Confirmation requires supplier data.
Reproductive Toxicity	Classified Repr. 1B (H360): May damage fertility or the unborn child. Avoid exposure, especially for pregnant workers.
Carcinogenicity	Not classified as a carcinogen under GHS. Endpoint-specific assessment: see ECHA/NTP/IARC databases for current status.
Mutagenicity	Not classified as a mutagen under GHS. Endpoint-specific data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Classified Aquatic Acute 1 (H400) and Aquatic Chronic 2 (H411). Very toxic to aquatic life; toxic to aquatic life with long lasting effects. Prevent release to the environment.
Persistence / Degradability	Not readily biodegradable in standard tests. Verify from supplier or ECHA data where required; do not assume ready biodegradability.
Bioaccumulation	Log Pow $\approx$ 4.5 indicates potential for bioaccumulation. Verify BCF data from supplier or ECHA.
Mobility in Soil	Slight solubility limits mobility; adsorption potential moderate. Prevent release to soil and groundwater.
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 local regulations. Do not pour down drains or discharge to the environment.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed of. Dispose via an approved waste contractor.
Indian Regulations	Follow applicable provisions of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules and Pollution Control Board requirements. Assign waste code according to actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 3082	UN 3082	UN 3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dibutyl phthalate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dibutyl phthalate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dibutyl phthalate)
Class	9	9	9
Packing Group	III	III	III
Marine Pollutant	Verify — likely Yes if IMDG criteria met	Yes (aquatic hazard present) —	
EmS / Special Provisions	Follow applicable ADR requirements.	F-A, S-F. Follow applicable IMDG requirements.	Follow applicable IATA requirements.

UN-certified drum required for international transport. Confirm marine pollutant status and current carrier rules before shipment.
Drum must be labelled with Class 9 placard, UN 3082, PG III and product name.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled according to the GHS/CLP classification listed in Section 2. Observe REACH and CLP requirements where applicable. Observe applicable VOC and environmental requirements.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format.



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India	Observe applicable Indian MSIHC Rules, workplace, storage, transport, pollution-control and hazardous-waste requirements.
Canada WHMIS / HPR	Classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
TSCA (USA)	Verify TSCA inventory / SNUR status before US import or distribution; supplier confirmation may be required.
China (GB Standards)	Use applicable GB/T SDS and classification requirements where marketed.
Australia (AICS)	Check AICS inventory status before export or import.
Other Jurisdictions	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and applicable 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; original SPC SDS template; consolidated SDS audit; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem, ECHA, NIOSH/OSHA, CAMEO and public supplier SDS/transport references where available.
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

- H360 — May damage fertility or the unborn child
- H400 — Very toxic to aquatic life
- H411 — Toxic to aquatic life with long lasting effects