



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
+91 86087 80096 · +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Butyl Carbitol *SDS*

CAS **112-34-5** EC **203-961-6** SIGNAL WORD **DANGER**

GHS07

Exclamation Mark

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

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

Product Name	Butyl Carbitol
Product Type	Glycol ether solvent
Chemical Family	Glycol ether
CAS No.	112-34-5
EC No.	203-961-6
Intended Use	Solvent and coalescing aid for industrial formulations.
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/butyl-carbitol
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Eye Irrit. 2 – Causes serious eye irritation. Not classified for other GHS hazard classes based on available data.

GHS Classification	Eye Irrit. 2
Signal Word	WARNING



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GHS Pictograms

GHS07 (Exclamation Mark)

HAZARD STATEMENTS

- H319 — Causes serious eye irritation

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.
- 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.



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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% w/w	GHS CLASSIFICATION
Butyl Carbitol (Diethylene glycol monobutyl ether)	112-34-5	203-961-6	100	Eye Irrit. 2; H319

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move person to fresh air. If symptoms persist, seek medical advice.
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 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	Water spray, foam, dry chemical or carbon dioxide.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Combustion can produce carbon oxides and irritating fumes. Containers may rupture when heated. Avoid dust clouds and ignition sources.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-fighting run-off from entering drains and waterways.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate PPE (see Section 8). Keep away from ignition sources. Avoid breathing vapours.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify relevant authorities if significant release occurs.
Containment / Clean-up	Absorb with inert material (sand, vermiculite) and collect in labelled containers for disposal through an approved waste contractor. Prevent entry to drains.
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 eye contact and mist inhalation. Use with adequate ventilation. Keep away from heat, sparks and open flames.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
Storage Conditions	Store in original, tightly closed compatible containers in a cool, well-ventilated place. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Butyl Carbitol (CAS 112–34–5): No established OEL confirmed; apply ALARA / good industrial hygiene. Verify with regional authority (OSHA/NIOSH/ACGIH/EU/India) before use.
Engineering Controls	Use closed handling systems or local exhaust ventilation for mist, vapour or aerosol. Use explosion-proof ventilation and earthing/bonding for handling large quantities.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergencies or confined-space entry.



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Hand / Eye / Skin	Gloves: chemical-resistant (nitrile, butyl, neoprene or PVC); select breakthrough time for task. Eyes: EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower where appropriate.
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Mild ether-like odour
Odour Threshold	Not established
pH	Not applicable (pure organic solvent; not aqueous solution)
Melting / Freezing Point	-68 °C
Boiling Point / Range	230 °C
Flash Point	78 °C (closed cup)
Auto-ignition Temperature	230 °C
Flammability Limits	Not established
Vapour Pressure	Low at 20 °C (approx. 0.017 mmHg)
Vapour Density (air = 1)	5.6
Relative Density	0.95 at 20 °C
Solubility in Water	Soluble
Log Pow (Partition Coeff.)	0.56
Evaporation Rate	Slow (relative to n-butyl acetate = 1)
Viscosity	Low to moderate viscosity liquid
VOC Content	100%

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). Concentrated acids and halogens. Reactive with aluminium chloride 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.



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Hazardous Reactions	Will not occur under normal conditions when stored and handled correctly.
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SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Not classified; LD50 data not confirmed for this formulation. Seek supplier/test data for registration purposes.
Acute Dermal Toxicity	Not classified; dermal LD50 data not confirmed. Repeated skin contact may cause dryness or mild irritation.
Acute Inhalation Toxicity	Not classified; vapour is irritating at elevated concentrations. Seek supplier/test data.
Skin Irritation	Not classified based on reviewed data; repeated exposure may cause mild dryness.
Eye Irritation	Eye Irrit. 2 — Causes serious eye irritation (Category 2A).
Sensitisation	No sensitisation data confirmed; not classified.
Carcinogenicity	Not classified. Endpoint-specific data requires supplier/test confirmation.
Mutagenicity	Not classified. Endpoint-specific data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified from reviewed data. Numeric ecotoxicity data not universally verified; avoid release to water.
Persistence / Degradability	Biodegradability data not confirmed. Do not assume ready biodegradability; obtain supplier or ECHA data where required for registration.
Bioaccumulation	Log Pow 0.56 — low bioaccumulation potential expected. Verify with BCF data for registration or export requirements.
Mobility in Soil	Soluble in water; potential for mobility in soil and groundwater. Prevent release to soil.
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 environment.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed of through an approved contractor.
Indian Regulations	Follow applicable Hazardous Waste (Management, Handling and Transboundary Movement) Rules 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	Not regulated	Not regulated	Not regulated
Marine Pollutant	No	No	—

Butyl Carbitol is not classified as a dangerous good under ADR, IMDG or IATA in normal commercial supply form. Transport in approved compatible containers labelled with product name. Verify current carrier and shipper requirements before each shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled according to GHS/CLP classification listed in Section 2. Observe REACH and CLP requirements where applicable.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, workplace chemical, storage, transport, pollution-control and hazardous-waste requirements (Hazardous Waste Rules; Environment Protection Act).
Other Jurisdictions	Canada WHMIS 2015/HPR: classify/label using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. China: use applicable GB/T SDS requirements. Australia: check AICS inventory before import. Final market



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placement requires confirmation of inventory status, local OELs,
transport class, 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)
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

- H319 — Causes serious eye irritation