



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)

Dipropylene Glycol (DPG) *SDS* REV 3.1
29 JULY 2026
GHS REV.11 (2025)

CAS 25265-71-8 EC See ECHA / supplier SDS SIGNAL WORD DANGER

GHS05

Corrosive

GHS07

Harmful / Irritant

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

Product Name	Dipropylene Glycol (DPG)
Product Type	Dipropylene Glycol – corrosive / irritant chemical
Chemical Family	Glycol / Polyol
CAS No.	25265-71-8
EC No.	See ECHA / supplier SDS
Intended Use	Industrial / professional use as described on the SPC product page.
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/dipropylene-glycol-dpg
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Acute Tox. 4 (Oral); Skin Corr. 1; Acute Tox. 4 (Inhalation, vapour)



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GHS Classification	Acute Tox. 4 (Oral) — H302; Skin Corr. 1 — H314; Acute Tox. 4 (Inhalation, vapour) — H333
Signal Word	DANGER
GHS Pictograms	GHS05 (Corrosive) GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H302 — Harmful if swallowed
- H314 — Causes severe skin burns and eye damage
- H333 — May be 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.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.



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- 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
Dipropylene Glycol (DPG)	25265-71-8	See ECHA / supplier SDS	100	Acute Tox. 4 (Oral); Skin Corr. 1; Acute Tox. 4 (Inhal.) — H302, H314, H333

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. Keep comfortable for breathing. Call a POISON CENTER or doctor if symptoms develop.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with soap and water for at least 15 minutes. Seek medical attention if symptoms persist or burns are evident.
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. Immediately call a POISON CENTER or doctor.
Note to Physician	Treat symptomatically based on exposure route and product hazards. H314 classification — manage as corrosive ingestion/contact injury.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, CO ₂ , foam, water spray. Use media appropriate for surrounding fire conditions.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Fire may produce toxic or irritating fumes (carbon oxides). Containers may rupture when heated. Vapours may form combustible or ignitable atmospheres near ignition sources.



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Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Cool fire-exposed containers with water spray. Prevent contaminated run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate the area. Eliminate ignition sources. Wear full PPE as specified in Section 8. Avoid contact with skin and eyes.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify relevant authorities if environmental contamination occurs.
Containment / Clean-up	Contain the spill. Absorb with inert material (vermiculite, dry sand, earth). Collect into labelled, sealed, compatible 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	Use adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours or mist. Ground and bond containers when transferring. Use non-sparking tools and explosion-proof equipment.
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. Inspect containers regularly for leakage or damage. Store in a well-ventilated, cool, dry location.
Storage Temperature	Store at ambient temperature (15–30 °C) unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Avoid contact with aluminium chloride under elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.



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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 25265–71–8 (DPG): No universally established OEL. Apply ALARA / good industrial hygiene practice. Verify current OSHA / NIOSH / ACGIH / EU / India OEL before use; regional limits supersede this entry.
Engineering Controls	Use closed handling systems or local exhaust ventilation to control vapour, mist or aerosol. Use explosion-proof ventilation and electrical equipment. Provide eyewash and safety shower where appropriate.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergencies or high-concentration exposure.
Hand / Eye / Skin	Hands: Chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate) — select appropriate thickness and breakthrough time for the product and task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash or corrosive risk. Skin/Body: Chemical-resistant clothing/apron and safety footwear; antistatic PPE where flammable vapours may occur.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless, clear, hygroscopic liquid
Odour	Odourless (peer-reviewed source data)
Odour Threshold	Not established in reviewed public source data
pH	Not applicable unless supplied/used as an aqueous solution; verify from supplier COA/SDS.
Melting / Freezing Point	–40 °F (–40 °C) (NTP, 1992)
Boiling Point / Range	444 to 450 °F (229 to 232 °C) at 760 mmHg (NTP, 1992)
Flash Point	280 °F (138 °C) — closed cup (NTP, 1992)
Auto-ignition Temperature	371 °C (700 °F) (peer-reviewed source; mixed isomers / dominant DPG isomer)
Flammability Limits	Not precisely established in reviewed source for this grade; verify from supplier SDS. DPG is combustible — handle accordingly.
Vapour Pressure	1 mmHg at 164.8 °F (73.8 °C); 760 mmHg at 449.2 °F (231.8 °C) (NTP, 1992)
Vapour Density (air = 1)	4.63 (heavier than air; will sink)



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Relative Density	1.023 at 68 °F (20 °C) (USCG, 1999) — denser than water
Solubility in Water	≥100 mg/mL at 75 °F (NTP, 1992) — miscible with water
Log Pow (Partition Coeff.)	–1.07 (range –0.7 to –1.5) — confirms low bioaccumulation potential
Evaporation Rate	See supplier SDS for grade-specific value (DPG has low evaporation rate relative to ethyl acetate = 1)
Viscosity	~10–11 cP at 20 °C (typical for DPG mixed isomers; source value of 1.07 cP at 20 °C appears to be a transcription error — verify with supplier COA)
VOC Content	Assess per applicable regional VOC regulations; verify grade-specific value with supplier SDS.

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. Aluminium chloride under elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides (CO, CO ₂) and irritating or toxic fumes may be formed in fire or at high temperatures.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage unless product-specific reactivity is noted.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Classified Acute Tox. 4 (H302 — Harmful if swallowed). Numeric LD50 data: verify from supplier/test data (typical published LD50 for DPG oral > 2,000 mg/kg rat; however, H302 classification applies — see Section 2).
Acute Dermal Toxicity	Data not universally verified in reviewed sources; verify numeric endpoint from supplier SDS or ECHA dossier.
Acute Inhalation Toxicity	Classified Acute Tox. 4 (Inhalation, vapour) — H333 (May be harmful if inhaled). Numeric LC50: confirm from supplier/test data.
Skin Irritation	Classified Skin Corr. 1 (H314 — Causes severe skin burns and eye damage). Product is corrosive to skin.



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Eye Irritation	Covered by Skin Corr. 1 classification (H314 – Causes severe eye damage). Separate Eye Irrit. classification is subsumed.
Sensitisation	Not classified as a skin sensitiser based on reviewed data. Confirm with supplier test data.
Carcinogenicity	Not classified as a carcinogen based on reviewed data (IARC / NTP / ACGIH not listed). Confirm with supplier.
Mutagenicity	Not classified as a mutagen based on reviewed data. Confirm with supplier.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified in Section 2 from reviewed data. Numeric LC50/EC50/IC50 data not universally verified – obtain supplier or ECHA ecotoxicity data if required for registration or export. Avoid uncontrolled release.
Persistence / Degradability	Use supplier, ECHA or PubChem biodegradation data where available. DPG is expected to be readily biodegradable in most environments; confirm with supplier test data before assuming ready biodegradability for regulatory purposes.
Bioaccumulation	Low bioaccumulation potential – log Kow = –1.07 (see Section 9); confirmed below BCF concern threshold.
Mobility in Soil	Miscible with water; mobile in soil and groundwater. Prevent release to soil and drainage systems.
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 regulations. Do not pour down drains or into watercourses.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Return to supplier or dispose via authorised waste contractor.
Indian Regulations	Follow Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2016 and applicable State Pollution Control Board



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requirements. Assign waste code consistent with actual process and local regulation.

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	—

DPG (CAS 25265–71–8) is not classified as a dangerous good under ADR, IMDG or IATA based on reviewed data. However, dangerous goods status requires verification against current ADR/IMDG/IATA criteria and supplier formulation grade before each shipment. Use approved, compatible containers; UN-certified drum required for international transport where mandated by carrier. Verify current carrier and national transport rules before shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to the GHS/CLP classification listed in Section 2. Observe applicable workplace chemical, VOC and environmental directives.
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, Factories Act, Environment Protection Act, Hazardous Waste Rules 2016, Water & Air Prevention Acts, and relevant State Pollution Control Board requirements.
Other Jurisdictions	China: GB/T SDS and classification requirements apply where marketed. Canada: Classify/label under WHMIS 2015/HPR; Canadian sale may require bilingual SDS/label and ingredient disclosure. Australia: Check AICS inventory status before export or import. GCC/Middle East: Apply applicable GHS-aligned local requirements. Final market placement requires confirmation of local inventory status, OELs, transport class, waste code and restrictions.



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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 CSV dated 27 May 2026; 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 with all applicable 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

- H302 — Harmful if swallowed
- H314 — Causes severe skin burns and eye damage
- H333 — May be harmful if inhaled