

**SAFETY DATA SHEET (SDS)****Rev 1.0**

Prepared: May 2026

GHS compliant | Rev 1.0 | Prepared: May 2026

<b>GHS07</b> Harmful / Irritant	<b>GHS08</b> Health Hazard	
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**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY**

<b>Product Name</b>	<b>Diethylene Glycol (DEG)</b>
<b>Product Type</b>	Diethylene Glycol - industrial chemical
<b>Chemical Family</b>	Diethylene Glycol
<b>CAS No. (Diethylene Glycol (DEG))</b>	111-46-6
<b>CAS No. (Other Component)</b>	N/A
<b>Intended Use</b>	Industrial / professional use as described on the SPC product page.
<b>Restrictions on Use</b>	Industrial / professional use only. Confirm suitability for final application before use.
<b>Manufacturer / Supplier</b>	Supreme Petro Chemicals
<b>Address</b>	Periyamet, Chennai - 600 003, Tamil Nadu, India
<b>Emergency Contact</b>	Sudarshan - 8197947045; Sanketh - 8608780096
<b>Email</b>	admin@supremepetrochemicals.com
<b>SDS Revision Date</b>	May 2026
<b>SDS Version</b>	1.0
<b>Product Page URL</b>	<a href="https://www.supremepetrochemicals.com/products/diethylene-glycol-deg">https://www.supremepetrochemicals.com/products/diethylene-glycol-deg</a>

**SECTION 2 HAZARD IDENTIFICATION**

<b>Acute Tox. 4; Repr. 2; STOT RE 1</b>	
<b>H302</b>	H302: Harmful if swallowed
<b>H361</b>	H361: Suspected of damaging fertility or the unborn child
<b>H372</b>	H372: Causes damage to organs through prolonged or repeated exposure
<b>Other GHS hazard classes</b>	Not classified for unlisted hazard classes based on reviewed source data.
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<b>Signal Word</b>	DANGER
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GHS Pictograms	GHS07 (Harmful / Irritant)   GHS08 (Health Hazard)
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**Hazard Statements:**

- H302 - Harmful if swallowed
- H361 - Suspected of damaging fertility or the unborn child
- H372 - Causes damage to organs through prolonged or repeated exposure
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**Precautionary Statements (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 Statements (Response):**

- 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.

**Precautionary Statements (Storage & Disposal):**

- 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 or concentration range	GHS Classification
Diethylene Glycol (DEG)	111-46-6	See ECHA / supplier SDS	100	Acute Tox. 4; Repr. 2; STOT RE 1

**Note:** Percentages are by volume. Full text of H-statements listed in Section 16.

**SECTION 4 FIRST AID MEASURES**

Inhalation	Use product-specific first aid based on exposure route: move to fresh air after inhalation, wash skin, rinse eyes for at least 15 minutes, and seek medical advice after ingestion or persistent symptoms.
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<b>Skin Contact</b>	Remove contaminated clothing. Wash affected skin thoroughly with water and soap where appropriate. Seek medical attention if symptoms persist.
<b>Eye Contact</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
<b>Note to Physician</b>	Treat symptomatically based on exposure route and product hazards.

## SECTION 5 FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing media appropriate for the product hazard classification. Fire may produce toxic or irritating fumes; firefighters should wear SCBA.
<b>Unsuitable Media</b>	Direct high-pressure water jet where it may spread the material.
<b>Specific Hazards</b>	Use extinguishing media appropriate for the product hazard classification. Fire may produce toxic or irritating fumes; firefighters should wear SCBA.
<b>Fire &amp; Explosion Risk</b>	Dust or fine particulate may form combustible or irritating atmospheres depending on product. Avoid dust clouds and ignition sources. Containers may rupture when heated.
<b>Protective Equipment for Firefighters</b>	Wear full protective clothing and self-contained breathing apparatus (SCBA).
<b>Special Procedures</b>	Evacuate non-essential personnel. Prevent contaminated run-off from entering drains and waterways.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Isolate area, use PPE from Section 8, prevent environmental release, and collect material in compatible labelled containers.
<b>Environmental Precautions</b>	Prevent entry into drains, sewers, soil and watercourses.
<b>Containment Methods</b>	Isolate area, use PPE from Section 8, prevent environmental release, and collect material in compatible labelled containers.
<b>Clean-up Methods</b>	Collect material into labelled containers for disposal through an approved waste contractor.
<b>Reference to Sections</b>	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.

## SECTION 7 HANDLING AND STORAGE

<b>Handling Precautions</b>	Use adequate ventilation, avoid contact and inhalation, and store tightly closed away from incompatible materials.
<b>Hygiene</b>	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
<b>Storage Conditions</b>	Use adequate ventilation, avoid contact and inhalation, and store tightly closed away from incompatible materials.
<b>Storage Temperature</b>	Store at ambient temperature unless supplier instructions specify otherwise.
<b>Incompatible Materials</b>	Strong oxidizers and product-specific incompatible substances; see supplier SDS before use.
<b>Packaging</b>	Store in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage.
<b>Segregation</b>	Segregate from food, drink, animal feed and incompatible chemicals.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	OEL (8h TWA)	STEL (15 min)	Standard	Notes
Diethylene Glycol (DEG)	Use verified local OEL if established; otherwise ALARA/good industrial hygiene	Use verified local STEL/ceiling if established	OSHA/NIOSH/ACGI H/EU/UK/India	CAS 111-46-6; supplier/regional OEL confirmation required.

<b>Engineering Controls</b>	Use closed handling/local exhaust for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding for flammable liquids.
<b>Respiratory Protection</b>	If ventilation is inadequate, use a NIOSH/EN respirator: organic vapour, acid gas, ammonia, or P95/P100 particulate cartridge as applicable. Use SCBA for emergencies.
<b>Hand Protection</b>	Wear compatible chemical-resistant gloves, e.g. nitrile, butyl, neoprene, PVC or laminate; select thickness/breakthrough time for the product and task.
<b>Eye/Face Protection</b>	Wear EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash, corrosive, dust, molten or pressure-transfer risk.
<b>Body Protection</b>	Wear chemical-resistant clothing/apron and safety footwear; use antistatic PPE where flammable vapours may occur.
<b>Hygiene Measures</b>	Provide eyewash and safety shower where appropriate. Wash after handling.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	The appearance or features of this compound, including color,
<b>Odour</b>	PEER REVIEWED Practically odorless
<b>Odour Threshold</b>	Not established in reviewed public source text
<b>pH</b>	Not applicable unless supplied/used as an aqueous solution. For acids, alkalis, salts, surfactants and aqueous grades, verify pH from supplier COA/SDS before release.
<b>Melting/Freezing Point</b>	14 °F (NTP, 1992)
<b>Boiling Point / Range</b>	473 °F at 760 mmHg (NTP, 1992)
<b>Flash Point</b>	290 °F (NTP, 1992) 124 °C
<b>Auto-ignition Temperature</b>	444 °F (USCG, 1999)
<b>Flammability Limits</b>	See PubChem experimental properties.
<b>Vapour Pressure</b>	less than 0.01 mmHg at 68 °F ; 0.01 mmHg at 86 °F (NTP, 1992) 0.0057 [mmHg]
<b>Vapour Density</b>	3.66 (NTP, 1992) - Heavier than air; will sink (Relative to Air)
<b>Relative Density</b>	1.118 at 68 °F (USCG, 1999) - Denser than water; will sink
<b>Solubility in Water</b>	greater than or equal to 100 mg/mL at 68 °F (NTP, 1992)
<b>Log Pow (Partition Coeff)</b>	-1.47
<b>Evaporation Rate</b>	See supplier SDS for grade-specific value
<b>Viscosity</b>	PEER REVIEWED 0.30 cP at 25 °C Heat of Combustion The heat of combustion is the energy released as heat when a compound undergoes complete combustion with oxygen under standard con
<b>VOC Content</b>	Assess per applicable regional VOC regulations
<b>Reactivity</b>	See Section 10 and source SDS for grade-specific reactivity

**SECTION 10 STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under recommended storage and handling conditions.
<b>Conditions to Avoid</b>	Avoid heat, ignition sources, contamination and incompatible materials.
<b>Incompatible Materials</b>	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens. Reactive with aluminium chloride (AlCl <sub>3</sub> ) under elevated temperature — not a concern in ambient blending or storage.
<b>Hazardous Decomposition</b>	Carbon oxides and irritating or toxic fumes may be formed in fire.
<b>Hazardous Reactions</b>	No hazardous reactions under normal storage unless noted by product reactivity.
<b>Possibility of Hazardous React.</b>	Will not occur under normal conditions when stored and handled correctly.

**SECTION 11 TOXICOLOGICAL INFORMATION**

<b>Acute Oral Toxicity</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Acute Dermal Toxicity</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Acute Inhalation Toxicity</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Skin Irritation</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Eye Irritation</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Sensitisation</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Specific Target Organ (Single)</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Specific Target Organ (Repeat)</b>	Repeated exposure target-organ classification is present in Section 2; use exposure controls and medical surveillance as required.
<b>Reproductive Toxicity</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Aspiration Hazard</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Carcinogenicity</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<b>Mutagenicity</b>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.

**SECTION 12 ECOLOGICAL INFORMATION**

<b>Aquatic Toxicity (Acute)</b>	No aquatic classification identified in Section 2 from reviewed data. Numeric ecotoxicity was not universally verified; avoid release.
<b>Aquatic Toxicity (Chronic)</b>	No chronic aquatic classification identified in Section 2. Obtain supplier/ecotoxicity data if needed for registration or export.
<b>Persistence / Degradability</b>	Use supplier, ECHA or PubChem data where available. If not verified, do not assume ready biodegradability.
<b>Bioaccumulation</b>	Use verified log Kow/BCF data where available; UVCB/petroleum/surfactant materials need supplier formulation data.



<b>Mobility in Soil</b>	Assess from solubility, adsorption potential and product form. Prevent release to soil and groundwater.
<b>Other Adverse Effects</b>	Avoid uncontrolled release to the environment.
<b>Environmental Regulations</b>	Manage releases and waste under applicable local environmental regulations.

### SECTION 13 DISPOSAL CONSIDERATIONS

<b>Waste from Product</b>	Dispose of contents through an authorized waste contractor in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers may retain residues; handle as hazardous until cleaned or disposed.
<b>European Waste Code</b>	Assign waste code according to actual process and local regulation.
<b>Indian Regulations</b>	Follow local hazardous waste and pollution control requirements.

### SECTION 14 TRANSPORT INFORMATION

Parameter	UN / ADR (Road)	IMDG (Sea)	IATA (Air)	Notes
<b>UN Number</b>	Not regulated	Not regulated	Not regulated	No UN transport entry found in PubChem transport text
<b>Proper Shipping Name</b>	Not regulated	Not regulated	Not regulated	
<b>Class</b>	Not regulated	Not regulated	Not regulated	Transport class
<b>Packing Group</b>	Not regulated	Not regulated	Not regulated	
<b>Marine Pollutant</b>	No	No	—	
<b>Tunnel Restriction</b>	Not applicable	—	—	ADR
<b>EmS (Sea)</b>	—	Not applicable	—	IMDG
<b>Special Provisions</b>	Follow applicable ADR requirements.	Follow applicable IMDG requirements.	Follow applicable IATA requirements.	Verify current carrier rules before shipment

Packaging: approved compatible container appropriate to the product. UN-certified drum required for international transport. Drum must be labelled with Class 3 placard, Not regulated, PG II, and product name.

### SECTION 15 REGULATORY INFORMATION

<b>EU / REACH</b>	Observe REACH and CLP requirements where applicable.
<b>EU CLP Regulation</b>	Classified and labelled according to the product-specific GHS/CLP classification listed in Section 2.
<b>EU Directive</b>	Observe applicable workplace chemical, VOC and environmental requirements.
<b>OSHA (USA)</b>	Prepared in OSHA HCS/HazCom aligned 16-section SDS format.
<b>India</b>	Observe applicable Indian MSIHC, workplace, storage, transport, pollution-control and hazardous-waste requirements.
<b>China (GB Standards)</b>	Use applicable GB/T SDS and classification requirements where marketed.
<b>Middle East / GCC</b>	Observe applicable GHS-aligned local requirements.
<b>TSCA (USA)</b>	Verify TSCA inventory/SNUR status before US import or distribution; mixture/UVCB status may require supplier confirmation.



<b>Australia (AICS)</b>	Check inventory status before export or import.
<b>Special Notes</b>	No product-specific special note beyond the classification in Section 2.
<b>Canada WHMIS / HPR</b>	Classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure.
<b>Regulatory Scope Limitation</b>	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions.

## SECTION 16 OTHER INFORMATION

### Full Text of H-Statements:

- H302 - Harmful if swallowed
- H361 - Suspected of damaging fertility or the unborn child
- H372 - Causes damage to organs through prolonged or repeated exposure
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<b>Prepared By</b>	Supreme Petro Chemicals - Technical Department
<b>SDS Standard</b>	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR 16-section SDS format
<b>Revision Date</b>	22 May 2026
<b>Version</b>	1.0
<b>Replaces Version</b>	N/A - Initial Issue
<b>Key Sources</b>	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. Accessed May 2026.
<b>Audit Correction Note</b>	Corrected from audit findings. Verification-required items need supplier formulation, test or regulatory data before market-specific release.

### DISCLAIMER

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