



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)

PEG 6000 *SDS*

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

CAS 25322-68-3 EC Polymer – not assigned SIGNAL WORD DANGER

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

Product Name	PEG 6000
Product Type	Polyethylene glycol grade 6000
Chemical Family	Polyether glycol polymer
CAS No.	25322-68-3
EC No.	Polymer – not assigned
Intended Use	Industrial / professional use in formulations, cosmetics, pharmaceuticals, lubricants, polymers and process applications.
Restrictions on Use	Industrial / professional use only unless the supplied grade is separately qualified for regulated applications.
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/peg-6000
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Not classified as hazardous under GHS / CLP / OSHA HCS. Molten material may cause thermal burns; dust may cause mechanical irritation. No GHS pictogram assigned.

GHS Classification	Not classified
Signal Word	Not classified
GHS Pictograms	No GHS pictogram (Not classified)



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HAZARD STATEMENTS

- No H-statements assigned — substance is not classified as hazardous under GHS.

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust or vapours (generated when handling heated or powdered material).
- P271 — Use only in a well-ventilated area when heating above melting point.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- 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.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- 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
Polyethylene glycol (PEG 6000)	25322-68-3	Polymer / not assigned	100	Not classified

Percentages are by weight. Full text of H-statements listed in Section 16. No H-statements apply — substance is not classified.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air if mist, vapour from heated product, or dust is inhaled. Treat irritation symptomatically. Seek medical attention if symptoms persist.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. If molten material causes a thermal burn, cool with running water and seek immediate medical attention.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.



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Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route. No specific antidote known.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical powder or carbon dioxide (CO ₂).
Unsuitable Media	Do not use a direct high-pressure water jet where it may spread burning molten material.
Specific Hazards	Combustible solid at elevated temperatures. Combustion produces carbon oxides and irritating fumes. Dust or fine particulate may form combustible or irritating atmospheres. 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 fire-water run-off from entering drains and waterways. Cool containers with water spray.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent slipping hazard from molten or wet material. Avoid generating dust from solid grades. Wear appropriate PPE — see Section 8.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Solid grades: sweep or vacuum into labelled containers, avoiding dust generation. Molten / liquid grades: collect with inert absorbent material and transfer to labelled containers for disposal.
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 prolonged skin contact. Avoid overheating (above melting point) and contact with strong oxidisers. Avoid generating dust from solid grades.
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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 dry, cool, well-ventilated area away from ignition sources.
Storage Temperature	Ambient temperature (typically 15–35°C); follow supplier instructions if specified otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride (AlCl ₃) under elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals. Inspect containers regularly for leakage or damage.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	No specific OEL established for PEG 6000 (CAS 25322–68–3) under OSHA/NIOSH/ACGIH/EU/India at time of issue. Apply ALARA and good industrial hygiene practice. Verify current local limits before use.
Engineering Controls	Use closed handling and local exhaust ventilation for dust, mist or vapour. Ensure adequate general ventilation. Use explosion-proof ventilation and grounding when handling molten material.
Respiratory Protection	Where ventilation is inadequate, use a NIOSH/EN-approved respirator with a particulate (P95/P100) cartridge for dust or aerosol. Use SCBA for emergency / confined-space response.
Hand / Eye / Skin	Gloves: compatible chemical-resistant gloves (nitrile, butyl, neoprene or PVC); select for breakthrough time. Eyes/Face: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash or molten-material risk. Body: chemical-resistant apron and safety footwear. Provide eyewash station and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White flakes, powder or waxy solid.
Odour	Mild characteristic or nearly odourless.
Odour Threshold	Not established.



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pH	Approx. 5–7 in aqueous solution (grade- and concentration-dependent).
Melting / Freezing Point	Approx. 58–63°C
Boiling Point / Range	Decomposes before boiling (high-MW polymer; no discrete boiling point).
Flash Point	Not normally classified as flammable; combustible solid at elevated temperature. Flash point not applicable in conventional sense.
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable / not established (solid polymer).
Vapour Pressure	Very low (negligible at ambient temperature).
Vapour Density (air = 1)	Not established (solid polymer).
Relative Density	Approx. 1.20 g/cm ³
Solubility in Water	Freely soluble / miscible in water.
Log Pow (Partition Coeff.)	Low; PEG polymers are highly hydrophilic. Exact value grade-dependent.
Evaporation Rate	Negligible.
Viscosity	Solid grade at ambient temperature; molten viscosity is grade-specific (consult supplier data).
VOC Content	Negligible under typical VOC definitions; confirm locally.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above decomposition onset, ignition sources, contamination and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids, halogens. Aluminium chloride (AlCl ₃) at elevated temperature.
Hazardous Decomposition	Carbon oxides (CO, CO ₂) and irritating or toxic organic fumes may be formed in fire or thermal decomposition.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute oral toxicity expected for PEG grades. LD ₅₀ (oral, rat) reported as > 20 000 mg/kg for PEG polymer grades – supplier /
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test confirmation recommended.

Acute Dermal Toxicity	Low acute dermal toxicity expected. Molten material may cause thermal burns. Supplier / test data recommended.
Acute Inhalation Toxicity	Low inhalation hazard at ambient temperature (low volatility). Dust or heated vapours may cause respiratory irritation. Supplier / test data recommended.
Skin Irritation	May cause mild mechanical skin irritation. Heated / molten material causes thermal burns.
Eye Irritation	May cause mild mechanical eye irritation. Seek medical attention if symptoms persist.
Sensitisation	No skin sensitisation identified in reviewed data. Endpoint-specific confirmation requires supplier / test data.
Carcinogenicity	Not classified as carcinogenic. No evidence identified in reviewed literature.
Mutagenicity	Not classified as mutagenic. Endpoint-specific confirmation requires supplier / test data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic hazard classification assigned in Section 2 based on reviewed data. Numeric acute/chronic ecotoxicity data should be obtained from supplier for registration or export purposes.
Persistence / Degradability	Biodegradability data are grade-specific. Do not assume ready biodegradability without verified supplier or test data.
Bioaccumulation	Low bioaccumulation potential expected given hydrophilic polymer nature (low log Pow). Verify with BCF data from supplier.
Mobility in Soil	Freely water-soluble; potential for leaching to groundwater if released. Prevent release to soil and surface water.
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 discharge to drains or watercourses without treatment approval.
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Contaminated Packaging	Empty containers may retain residues; handle as potentially hazardous until cleaned or disposed of through an approved route.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules and applicable 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	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	N/A	No	N/A

PEG 6000 is not classified as a dangerous good under ADR, IMDG or IATA in typical commercial grades. Use approved compatible containers. Verify current carrier and customs rules before each shipment, especially for bulk or international transport.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Comply with REACH registration, notification and downstream-user obligations where applicable. Classified and labelled in accordance with the GHS/CLP classification stated in Section 2 (Not classified).
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 (Manufacture, Storage and Import of Hazardous Chemicals), Factories Act, Environment Protection Act, Hazardous Waste Rules and Pollution Control Board requirements.
Other Jurisdictions	Canada WHMIS 2015 / HPR: classify and label under Section 2 classification; Canadian sale may require bilingual SDS / label and ingredient disclosure. China: apply GB/T SDS and classification requirements where marketed. GCC / Middle East: apply GHS-aligned local requirements. Australia (AICS): check inventory status before export or import. Final market placement requires local



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inventory, OEL, transport class, waste code and restriction
confirmation.

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

- No H-statements assigned — PEG 6000 is not classified as hazardous under GHS.