



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)

PEG 600 *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 600
Product Type	Polyethylene glycol grade 600
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-600
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Not classified as hazardous under GHS/CLP. Molten material may cause thermal burns;
dust may cause mechanical irritation.

GHS Classification	Not classified — no H-statements assigned
Signal Word	Not classified
GHS Pictograms	No GHS pictogram (Not classified)



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HAZARD STATEMENTS

- None — substance is not classified as hazardous under GHS/CLP.

PRECAUTIONARY — PREVENTION

- P233 — Keep container tightly closed.
- 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

- 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 600)	25322-68-3	Polymer / not assigned	100	Not classified

No H-statements assigned. Full text of H-statements listed in Section 16.

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. Seek medical attention if symptoms persist. For molten material, cool with running water and treat as thermal burn.



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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. No specific antidote known.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical or carbon dioxide.
Unsuitable Media	Direct high-pressure water jet (may spread molten material).
Specific Hazards	Combustion may produce carbon monoxide and carbon dioxide. Dust or fine particulate may form combustible or irritating atmospheres. 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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent slipping hazard from liquid or molten spills. Ventilate area. Avoid generating dust from solid grades. Use PPE as described in Section 8.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Collect liquid grades with inert absorbent material. Sweep or vacuum solid grades into labelled containers. Collect all 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 eye contact and prolonged skin contact. Avoid overheating and contact with strong oxidisers. Avoid generating dust from solid
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grades.

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. 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	No specific OEL established for PEG 600 (CAS 25322-68-3). Use verified local OEL if established; otherwise apply ALARA / good industrial hygiene practice. Confirm with supplier and regional authority.
Engineering Controls	Use closed handling / local exhaust ventilation for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding where flammable vapours may occur.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour or P95/P100 particulate cartridge as applicable. Use SCBA for emergencies.
Hand / Eye / Skin	Gloves: compatible chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate); select breakthrough time for the product and task. Eyes: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield for splash, molten or pressure-transfer risk. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to slightly yellow viscous liquid or semi-solid / waxy material depending on temperature.
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. 17–22 °C
Boiling Point / Range	>250 °C (decomposes at high temperature)
Flash Point	>200 °C (closed cup; approximate)
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable / not established.
Vapour Pressure	Very low at ambient temperature.
Vapour Density (air = 1)	Not established.
Relative Density	Approx. 1.12 g/cm ³ at 20 °C
Solubility in Water	Soluble / miscible in water.
Log Pow (Partition Coeff.)	Low; polyethylene glycols are hydrophilic polymers.
Evaporation Rate	Negligible.
Viscosity	Semi-solid or viscous liquid near room temperature; see supplier specification.
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, 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 monoxide, carbon dioxide and irritating or toxic fumes may be formed in fire.
Hazardous Reactions	No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute toxicity expected for polyethylene glycol grades. LD50 values are high (polyethylene glycols generally regarded as low hazard); confirm with supplier test data.
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Acute Dermal Toxicity	Low acute dermal toxicity expected. Prolonged or repeated contact may cause mild skin irritation.
Acute Inhalation Toxicity	Vapour/mist at ambient temperature is minimal. Heated material may generate vapour or aerosol causing respiratory irritation.
Skin Irritation	May cause mild mechanical irritation; heated material can cause thermal burns.
Eye Irritation	May cause mild mechanical irritation on direct contact.
Sensitisation	Not classified as a skin or respiratory sensitiser. Confirm with supplier data.
Carcinogenicity	Not classified as carcinogenic under GHS/CLP/IARC based on available data.
Mutagenicity	Not classified as a mutagen based on available data. Endpoint-specific numeric data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic classification identified from reviewed data. Numeric ecotoxicity not universally verified; avoid uncontrolled release.
Persistence / Degradability	Use supplier, ECHA or PubChem data where available. If not verified, do not assume ready biodegradability.
Bioaccumulation	Low bioaccumulation potential expected (hydrophilic polymer, low log Kow). Use verified log Kow / BCF data where available.
Mobility in Soil	Water-soluble; potential for leaching to groundwater. Prevent release to soil and groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases 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.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Recycle or dispose via approved contractor.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules and local Pollution Control Board requirements.



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SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not applicable	Not applicable	Not applicable
Marine Pollutant	No	No	N/A

PEG 600 is not classified as dangerous goods under ADR, IMDG or IATA in typical supplier classifications. Use approved compatible containers appropriate to the product. Verify current carrier 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 requirements.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution; polymer / UVCB status may require supplier confirmation.
India	Observe applicable MSIHC Rules, workplace safety, storage, transport, pollution-control and hazardous-waste requirements.
Other Jurisdictions	China: apply GB/T SDS and classification requirements where marketed. GCC / Middle East: observe applicable GHS-aligned local requirements. Canada WHMIS/HPR: classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. Australia (AICS): check inventory status before export or import. 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



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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 — substance is not classified as hazardous under GHS/CLP.