

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

Prepared: May 2026

GHS compliant | Rev 1.0 | Prepared: May 2026

No GHS pictogram  
Not classified**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY**

<b>Product Name</b>	<b>PEG 400</b>
<b>Product Type</b>	Polyethylene glycol grade 400
<b>Chemical Family</b>	Polyether glycol polymer
<b>CAS No. (PEG 400)</b>	25322-68-3
<b>CAS No. (Other Component)</b>	N/A
<b>Intended Use</b>	Industrial / professional use in formulations, cosmetics, pharmaceuticals, lubricants, polymers and process applications.
<b>Restrictions on Use</b>	Industrial / professional use only unless the supplied grade is separately qualified for regulated applications.
<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/peg-200-400-600-2000-3350-4000-6000">https://www.supremepetrochemicals.com/products/peg-200-400-600-2000-3350-4000-6000</a>

**SECTION 2 HAZARD IDENTIFICATION**

Not classified as hazardous under typical GHS supplier classifications	
<b>GHS Classification</b>	Not classified; molten material may cause thermal burns and dust may cause mechanical irritation
<b>Not classified</b>	Not classified
<b>Not classified</b>	Not classified
<b>Not classified</b>	Not classified
<b>Not classified</b>	Not classified
<b>Not classified</b>	Not classified
<b>Not classified</b>	Not classified
<b>Not classified</b>	Not classified



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

**Hazard Statements:**

- 
- 
- 
- 
- 
- 
- 

**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
Polyethylene glycol	25322-68-3	Polymer / not assigned	100	Not classified

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

**SECTION 4 FIRST AID MEASURES**



<b>Inhalation</b>	Move to fresh air if mist, vapour from heated product, or dust is inhaled. Treat irritation symptomatically.
<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 water spray, foam, dry chemical or carbon dioxide. Combustion may produce carbon oxides; molten product may burn at high temperatures.
<b>Unsuitable Media</b>	Direct high-pressure water jet where it may spread the material.
<b>Specific Hazards</b>	Use water spray, foam, dry chemical or carbon dioxide. Combustion may produce carbon oxides; molten product may burn at high temperatures.
<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>	Prevent slipping hazard. Collect liquid grades with inert absorbent; sweep or vacuum solid grades into labelled containers.
<b>Environmental Precautions</b>	Prevent entry into drains, sewers, soil and watercourses.
<b>Containment Methods</b>	Prevent slipping hazard. Collect liquid grades with inert absorbent; sweep or vacuum solid grades into 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>	Avoid eye contact and prolonged skin contact. Avoid overheating and contact with strong oxidisers. Store closed in a dry, cool, well-ventilated area.
<b>Hygiene</b>	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
<b>Storage Conditions</b>	Avoid eye contact and prolonged skin contact. Avoid overheating and contact with strong oxidisers. Store closed in a dry, cool, well-ventilated area.
<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.



Segregation	Segregate from food, drink, animal feed and incompatible chemicals.
-------------	---

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	OEL (8h TWA)	STEL (15 min)	Standard	Notes
Polyethylene glycol	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 25322-68-3; supplier/regional OEL confirmation required.

Engineering Controls	Use closed handling/local exhaust for dust, mist, vapour or aerosol. Use explosion-proof ventilation and grounding for flammable liquids.
Respiratory Protection	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.
Hand Protection	Wear compatible chemical-resistant gloves, e.g. nitrile, butyl, neoprene, PVC or laminate; select thickness/breakthrough time for the product and task.
Eye/Face Protection	Wear EN 166/ANSI Z87.1 chemical splash goggles; add face shield for splash, corrosive, dust, molten or pressure-transfer risk.
Body Protection	Wear chemical-resistant clothing/apron and safety footwear; use antistatic PPE where flammable vapours may occur.
Hygiene Measures	Provide eyewash and safety shower where appropriate. Wash after handling.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless hygroscopic viscous liquid.
Odour	Mild characteristic or nearly odourless.
Odour Threshold	Not established.
pH	Approx. 5-7 in aqueous solution where tested; grade and concentration dependent.
Melting/Freezing Point	Approx. 4-8 deg C
Boiling Point / Range	>250 deg C / decomposes at high temperature
Flash Point	Approx. >180 deg C closed cup
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable / not established.
Vapour Pressure	Very low.
Vapour Density	Not established.
Relative Density	Approx. 1.12-1.13 g/cm <sup>3</sup> at 20 deg C
Solubility in Water	Soluble / miscible in water depending on grade.
Log Pow (Partition Coeff)	Low; polyethylene glycols are hydrophilic polymers.
Evaporation Rate	Negligible.
Viscosity	Viscous liquid; see supplier specification.
VOC Content	Negligible under typical VOC definitions; confirm locally.
Reactivity	Stable under normal handling; avoid strong oxidisers.

**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>	Low acute toxicity expected for polyethylene glycol grades. May cause mild mechanical eye/skin irritation; heated material can cause thermal burns.
<b>Acute Dermal Toxicity</b>	Low acute toxicity expected for polyethylene glycol grades. May cause mild mechanical eye/skin irritation; heated material can cause thermal burns.
<b>Acute Inhalation Toxicity</b>	Low acute toxicity expected for polyethylene glycol grades. May cause mild mechanical eye/skin irritation; heated material can cause thermal burns.
<b>Skin Irritation</b>	Low acute toxicity expected for polyethylene glycol grades. May cause mild mechanical eye/skin irritation; heated material can cause thermal burns.
<b>Eye Irritation</b>	Low acute toxicity expected for polyethylene glycol grades. May cause mild mechanical eye/skin irritation; heated material can cause thermal burns.
<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>	Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.
<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	Not classified as dangerous goods for ADR/IMDG/IATA in typical supplier SDS
<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:

- 
- 
- 
- 
- 
- 
- 

<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

The information in this document is based on our present knowledge and is believed to be correct. It is provided in good faith. No warranty, express or implied, is made as to the accuracy or completeness. This SDS is prepared in accordance with UN GHS Rev.11 (2025). The user is responsible for 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.