



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

PEG 2000 *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 2000
Product Type	Polyethylene glycol grade 2000
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-2000
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Not classified as hazardous under GHS / UN GHS Rev.11 (2025). Molten material may
cause thermal burns; dust may cause mechanical irritation. No GHS pictogram required.

GHS Classification	Not classified
Signal Word	Not classified
GHS Pictograms	None



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HAZARD STATEMENTS

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

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust / fume / gas / mist / vapours / spray.
- P271 — Use only outdoors or in a well-ventilated area (for heated/molten use).
- 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 2000)	25322-68-3	Polymer — not assigned	100	Not classified

Percentages are by weight. Full text of H-statements listed in Section 16. No classified impurities or additives identified in this grade at concentrations requiring disclosure.

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. For burns from molten material, cool with running water and seek medical attention immediately.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation



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persists.

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 powder or carbon dioxide (CO ₂).
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Combustion may produce carbon oxides and irritating fumes. Molten product may burn at high temperatures. Dust or fine particulate may form combustible or irritating atmospheres; avoid dust clouds and ignition sources. Containers may rupture when exposed to prolonged heat.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Prevent contaminated fire-fighting run-off from entering drains and waterways. Cool exposed containers with water spray.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent slipping hazard from liquid or molten grades. Avoid generating dust from solid grades. Wear appropriate PPE (see Section 8).
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Notify relevant authorities if significant environmental release occurs.
Containment / Clean-up	Liquid grades: collect with inert absorbent material into labelled containers. Solid / flake grades: sweep or vacuum into labelled containers; avoid generating airborne dust. Collect material for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE; Section 13 for disposal; Section 15 for regulatory information.



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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 / flake grades.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store closed in a dry, cool, well-ventilated area away from heat, ignition sources and incompatible materials. Store in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature unless supplier instructions specify otherwise (solid grade is stable at room temperature).
Incompatible Materials	Strong oxidisers (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride at elevated temperature.
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 2000 (CAS 25322-68-3) under OSHA / NIOSH / ACGIH / EU / India. Apply ALARA / good industrial hygiene practice. Verify current local OEL if established.
Engineering Controls	Use local exhaust ventilation or closed-system handling where dust, mist or aerosol may be generated, particularly during heating or powder handling. Use explosion-proof ventilation and grounding where applicable.
Respiratory Protection	Normally not required with adequate ventilation. If ventilation is inadequate or for heated/dusty operations, use a NIOSH/EN-approved respirator with particulate filter (P95/P100) or organic vapour cartridge as applicable. Use SCBA for emergencies.
Hand / Eye / Skin	Gloves: compatible chemical-resistant gloves (nitrile, butyl, neoprene or PVC); select for breakthrough time and task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for molten or splash risk. Body: chemical-resistant clothing or apron and safety footwear. Provide eyewash station and safety shower where appropriate.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White waxy flakes, pastilles or solid.
Odour	Mild characteristic or nearly odourless.
Odour Threshold	Not established.
pH	Approx. 5–7 in aqueous solution (grade and concentration dependent).
Melting / Freezing Point	Approx. 50–55 °C (characteristic of PEG 2000 grade).
Boiling Point / Range	Decomposes before boiling; no reliable boiling point.
Flash Point	Not classified as flammable; combustible at high temperature (>200 °C, open cup, approximate).
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable / not established.
Vapour Pressure	Very low (negligible at ambient temperature; solid at room temperature).
Vapour Density (air = 1)	Not established.
Relative Density	Approx. 1.20 g/cm ³ (solid, 20 °C).
Solubility in Water	Soluble / miscible in water (PEG 2000 is water-soluble).
Log Pow (Partition Coeff.)	Low (hydrophilic polymer; log Pow not meaningfully applicable to high-MW PEG).
Evaporation Rate	Negligible (solid at ambient temperature).
Viscosity	Solid grade at ambient temperature; molten viscosity is grade-specific (approx. 70–110 cSt at 60 °C).
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 recommended storage temperature, open flames, ignition sources, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride (AlCl ₃) under elevated temperature — not a concern in ambient blending or storage.
Hazardous Decomposition	Carbon oxides (CO, CO ₂) and irritating or toxic fumes may form in fire or at very high temperatures.



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Hazardous Reactions

No hazardous reactions under normal storage conditions. Will not occur when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity

Low acute toxicity expected for polyethylene glycol grades. LD50 (oral, rat) reported >5,000 mg/kg for PEG polymers (refer to supplier/ECHA data for grade-specific confirmation).

Acute Dermal Toxicity

Low acute dermal toxicity expected. May cause mild mechanical skin irritation on prolonged contact. Molten material can cause thermal burns.

Acute Inhalation Toxicity

Low inhalation hazard at ambient temperature (solid). Dust or fumes from heated material may irritate the respiratory tract.

Skin Irritation

May cause mild mechanical irritation with prolonged or repeated contact. Not classified as a skin irritant under GHS.

Eye Irritation

May cause mild mechanical eye irritation. Not classified as an eye irritant under GHS.

Sensitisation

Not known to be a skin or respiratory sensitiser.

Carcinogenicity

Not classified. Not listed as a carcinogen by IARC, NTP or OSHA.

Mutagenicity

Not classified. No evidence of mutagenicity in standard tests for PEG polymers. Endpoint-specific data: see supplier/ECHA confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity

No acute or chronic aquatic toxicity classification identified from reviewed data. PEG 2000 is considered of low environmental hazard; avoid large-scale release. Obtain supplier / ECHA ecotoxicity data if needed for registration.

Persistence / Degradability

PEG polymers are considered biodegradable; however, high-MW grades may degrade more slowly. Verify ready biodegradability with supplier or test data before assuming compliance.

Bioaccumulation

Low bioaccumulation potential; PEGs are hydrophilic polymers with low log Kow. Verify with BCF data from supplier or ECHA where required.

Mobility in Soil

Water-soluble; mobile in soil and groundwater. Prevent uncontrolled release to soil and surface water.



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Other Adverse Effects	Avoid uncontrolled release to the environment. Manage releases and waste under applicable local environmental regulations.
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SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local, state and national regulations. Do not dispose of in drains or to the environment.
Contaminated Packaging	Empty containers may retain residues; handle as potentially hazardous until cleaned or disposed. Dispose of packaging in accordance with local regulations.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and State Pollution Control Board requirements. Assign waste code under applicable Schedule.

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 2000 is not classified as a dangerous good under ADR, IMDG or IATA in typical supplier classifications. Use approved, compatible packaging. Verify current carrier rules and consignee country requirements before each 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 (Not classified). 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; polymer/UVCB status may require supplier confirmation.



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India	Observe applicable MSIHC Rules, Factories Act, Environment Protection Act, Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, and State Pollution Control Board requirements.
Other Jurisdictions	Canada WHMIS 2015 / HPR: classify and label under Section 2 classification; Canadian sale may require bilingual SDS / label. China (GB Standards): use applicable GB/T SDS and classification requirements where marketed. Australia (AICS): check inventory status before export or import. GCC / Middle East: observe applicable GHS-aligned local requirements. Final market placement requires confirmation of inventory status, local OELs, transport class, waste code and restrictions.

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

- None — PEG 2000 is not classified as hazardous under GHS. No H-statements apply.