



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 3350 *SDS*

CAS 25322-68-3

EC Polymer / not assigned

SIGNAL WORD **DANGER**

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

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

Product Name	PEG 3350
Product Type	Polyethylene glycol grade 3350
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-3350
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	No GHS pictogram



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HAZARD STATEMENTS

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

PRECAUTIONARY — PREVENTION

- P260 — Do not breathe dust / fume / vapours from heated product.
- P262 — Do not get in eyes, on skin, or on clothing.
- P270 — Do not eat, drink or smoke when using this product.
- P271 — Use only outdoors or in a well-ventilated area when heating or processing.
- P273 — Avoid release to the environment.

PRECAUTIONARY — RESPONSE / STORAGE / DISPOSAL

- P302+P352 — IF ON SKIN: Wash with plenty of water.
- P304+P340 — IF INHALED (dust/vapour from heated product): 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 CENTRE or doctor if you feel unwell.
- 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 3350)	25322-68-3	Polymer / not assigned	100	Not classified

Substance is not classified as hazardous. No H-statements apply. 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 water and soap. For burns from molten material, cool with water and seek immediate medical attention.



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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. No specific antidote. Thermal burns from molten material should be treated as standard burns.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical or carbon dioxide. Water is preferred for cooling containers and controlling fires involving large quantities.
Unsuitable Media	Do not use a direct high-pressure water jet where it may spread molten or burning material.
Specific Hazards	Product is combustible as a solid/dust at elevated temperatures. Combustion produces carbon monoxide and carbon dioxide. Dust or fine particulate may form combustible or irritating atmospheres. Containers may rupture when subjected to intense heat.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Evacuate non-essential personnel.
Special Procedures	Prevent contaminated run-off from entering drains and waterways. Avoid generating dust clouds near ignition sources. Cool fire-exposed containers with water spray from a safe distance.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent slipping hazard from solid/powder on floors. Avoid generating dust from solid grades. Use appropriate PPE (see Section 8).
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Contain spill before clean-up.
Containment / Clean-up	Sweep or vacuum solid/powder grades into labelled, sealed containers. For molten material, allow to solidify before collection. Collect material into labelled containers for disposal through an approved waste contractor.



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Reference to Sections	See Section 8 for PPE, Section 13 for disposal and 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 grades. Take measures against electrostatic charging when handling fine powder.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store in a dry, cool, well-ventilated area in tightly closed original containers. Keep away from heat sources and incompatible materials. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient temperature (typically below 30°C). Avoid prolonged exposure to temperatures above the melting point (~53–58°C) unless process requires it.
Incompatible Materials	Strong oxidisers (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.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 25322-68-3 (Polyethylene glycol): No universally established OEL. Apply ALARA / good industrial hygiene practice. Verify current local OEL (OSHA/NIOSH/ACGIH/EU/India) before use.
Engineering Controls	Use local exhaust ventilation to control dust, mist or vapour generated during heating or processing. Use closed handling systems where practicable. Provide general dilution ventilation in work areas.
Respiratory Protection	Where dust or vapour cannot be adequately controlled by engineering measures, use a NIOSH/EN-approved respirator with a P95/P100 particulate filter. Use SCBA for emergencies or high dust/fume conditions.
Hand / Eye / Skin	Hands: Wear compatible chemical-resistant gloves (nitrile, butyl or neoprene). Eyes: Wear EN 166/ANSI Z87.1 chemical splash goggles;



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add face shield when handling molten material. Skin/Body: Wear chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower where appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White free-flowing powder, flakes or waxy solid at ambient temperature.
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. 53–58°C (characteristic of PEG 3350 grade).
Boiling Point / Range	Decomposes before boiling; no discrete boiling point.
Flash Point	Not applicable (solid, not classified as flammable). Combustible solid at elevated temperature.
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable / not established for this solid grade.
Vapour Pressure	Very low at ambient temperature (solid grade).
Vapour Density (air = 1)	Not established.
Relative Density	Approx. 1.20 g/cm ³
Solubility in Water	Freely soluble / miscible in water.
Log Pow (Partition Coeff.)	Low; polyethylene glycols are hydrophilic polymers.
Evaporation Rate	Negligible (solid grade).
Viscosity	Solid at ambient temperature; molten viscosity is grade-specific (consult supplier TDS).
VOC Content	Negligible under typical VOC definitions; confirm with local regulatory requirements.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above melting point unless process requires it, ignition sources, dust cloud formation, contamination and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Concentrated acids and halogens. Aluminium chloride



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(AlCl₃) under elevated temperature — not a concern in ambient blending or storage.

Hazardous Decomposition	Carbon monoxide, carbon dioxide and irritating or toxic organic fumes may be formed in fire or at temperatures above decomposition point.
Hazardous Reactions	No hazardous polymerisation. Will not occur under normal storage conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute toxicity expected. PEG 3350 is used in regulated pharmaceutical laxative formulations (FDA-approved). No GHS classification required based on available data.
Acute Dermal Toxicity	Low acute dermal toxicity expected. Not classified.
Acute Inhalation Toxicity	Low acute inhalation toxicity expected under normal conditions. Dust or vapour from heated material may cause mechanical respiratory irritation.
Skin Irritation	May cause mild mechanical irritation. Molten material can cause thermal burns. Not classified as a skin irritant under GHS.
Eye Irritation	May cause mild mechanical irritation. Not classified as an eye irritant under GHS.
Sensitisation	Not classified as a skin or respiratory sensitiser.
Carcinogenicity	Not classified. No evidence of carcinogenicity in available data.
Mutagenicity	Not classified. No evidence of mutagenicity / genotoxicity in available data.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic hazard classification identified from reviewed data. PEG 3350 is considered of low aquatic toxicity. Avoid uncontrolled release to the aquatic environment.
Persistence / Degradability	Polyethylene glycols are considered to be inherently biodegradable; ready biodegradability has been demonstrated for some grades. Verify with supplier data for this specific grade.
Bioaccumulation	Low bioaccumulation potential due to hydrophilicity and high molecular weight. Verify with supplier log Kow / BCF data.



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Mobility in Soil	Highly water-soluble; may leach into groundwater. Prevent release to soil and groundwater.
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 and national regulations. Do not pour down drains in large quantities.
Contaminated Packaging	Empty containers may retain residues; handle as potentially hazardous until cleaned or disposed of through an approved contractor.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (as amended) and applicable State Pollution Control Board requirements.

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	No	No	N/A

PEG 3350 is not classified as a dangerous good under ADR, IMDG or IATA in typical commercial trade. No transport hazard label required. Use approved, compatible containers. Verify current carrier and regulatory requirements before shipment.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to Section 2 (not classified). As a polymer, registration may be exempt under REACH Annex IV/V; confirm with your REACH compliance advisor.
OSHA (USA)	Prepared in OSHA HCS/HazCom aligned 16-section SDS format. Verify TSCA inventory / SNUR status before US import or distribution.



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India	Observe applicable Indian MSIHC Rules 1989 (as amended), Factories Act, Environment Protection Act, Hazardous Waste Rules and Pollution Control Board requirements.
Other Jurisdictions	China: use applicable GB/T SDS and classification requirements where marketed. Canada WHMIS/HPR: classify and label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label. Australia: check AICS inventory status before export or import. 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)
Key Sources	SPC product page; original SPC SDS template; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem, ECHA, NIOSH/OSHA and public supplier SDS references. Accessed June 2026.
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 applicable — substance is not classified as hazardous under GHS (UN GHS Rev.11, 2025).