



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 200 (Polyethylene Glycol 200) *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 200
Product Type	Polyethylene glycol grade 200
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-200
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Not classified as hazardous under GHS (UN GHS Rev.11). Molten material may cause thermal burns; dust may cause mechanical irritation.

GHS Classification Not classified

Signal Word Not classified



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GHS Pictograms

No GHS pictogram (Not classified)

HAZARD STATEMENTS

- None — substance is not classified under GHS

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe vapours, mist or spray.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- 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 200)	25322-68-3	Polymer / not assigned	100	Not classified

Substance is not classified under GHS. No H-statements apply. Full text of H-statements listed in Section 16 (none for this substance).

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. Seek medical attention if symptoms persist or if molten material has caused thermal burns.
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.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical or carbon dioxide.
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 heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent slipping hazard. Use appropriate PPE (see Section 8). Avoid contact with eyes, skin and clothing.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Collect liquid grades with inert absorbent material (e.g. sand, vermiculite); sweep or vacuum solid grades into labelled containers. Collect 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.
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.



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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 200 (CAS 25322-68-3). Use verified local OEL if established; otherwise apply ALARA / good industrial hygiene principles. Confirm with supplier / regional authority.
Engineering Controls	Use closed handling / local exhaust ventilation for dust, mist, vapour or aerosol. Use explosion-proof ventilation where applicable.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with appropriate cartridge (organic vapour or P95/P100 particulate) as applicable. Use SCBA for emergencies.
Hand / Eye / Skin	Gloves: compatible chemical-resistant gloves (e.g. nitrile, butyl, neoprene or PVC); select for breakthrough time appropriate to task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower where appropriate.

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; grade and concentration dependent.
Melting / Freezing Point	Approx. –50 to –30 °C (liquid at room temperature)
Boiling Point / Range	>250 °C / decomposes at elevated temperature
Flash Point	Approx. >150 °C (closed cup)
Auto-ignition Temperature	Not established.
Flammability Limits	Not applicable / not established.
Vapour Pressure	Very low (high boiling liquid).
Vapour Density (air = 1)	Not established.
Relative Density	Approx. 1.12 g/cm ³ at 20 °C
Solubility in Water	Miscible in water.



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Log Pow (Partition Coeff.)	Low; polyethylene glycols are hydrophilic polymers.
Evaporation Rate	Negligible.
Viscosity	Low molecular weight liquid PEG; 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 above recommended storage temperature, 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 oxides and irritating or toxic fumes may be formed in fire or on thermal decomposition.
Hazardous Reactions	No hazardous reactions expected under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low acute toxicity expected for polyethylene glycol grades. LD_{50} (rat, oral) for PEG 200 reported >2000 mg/kg (supplier/literature data; confirm with supplier SDS).
Acute Dermal Toxicity	Low acute dermal toxicity expected. Prolonged or repeated skin contact may cause mild irritation. Molten material can cause thermal burns.
Acute Inhalation Toxicity	Low inhalation hazard at ambient temperature due to very low vapour pressure. Mist or vapour from heated product may cause respiratory irritation.
Skin Irritation	May cause mild mechanical or transient irritation with prolonged contact. Not classified as a skin irritant under GHS.
Eye Irritation	May cause mild transient irritation. Not classified as an eye irritant under GHS.
Sensitisation	Not classified as a skin or respiratory sensitiser.
Carcinogenicity	Not classified as a carcinogen. No evidence of carcinogenicity identified in reviewed data.



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Mutagenicity	Not classified as a mutagen. Endpoint-specific data requires supplier/test confirmation.
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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute or chronic aquatic classification identified from reviewed data. PEG 200 has low inherent ecotoxicity; however, avoid uncontrolled release. Obtain supplier/ecotoxicity data if needed for registration or export.
Persistence / Degradability	PEG 200 is considered readily biodegradable in most conditions; confirm with supplier or ECHA data where available.
Bioaccumulation	Low bioaccumulation potential due to hydrophilic nature (low log Pow). Verify with supplier BCF data where required.
Mobility in Soil	Highly water-soluble; mobile in soil and likely to leach to 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 regulations. Do not pour down drains or into the environment.
Contaminated Packaging	Empty containers may retain residues; handle as potentially hazardous until cleaned or disposed of through an approved contractor.
Indian Regulations	Follow applicable requirements under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules and State Pollution Control Board / CPCB guidelines.

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



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PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
Packing Group	Not regulated	Not regulated	Not regulated
Marine Pollutant	No	No	—

PEG 200 is not classified as a dangerous good under ADR, IMDG or IATA in typical supplier classifications. Verify current carrier rules and consignee country requirements before shipment. Use approved compatible containers.

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 requirements under MSIHC Rules, Factories Act, Environment Protection Act, Hazardous Waste Rules, CPCB/SPCB guidelines and relevant workplace safety regulations.
Other Jurisdictions	Canada WHMIS 2015/HPR: classify/label under Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. China GB/T standards apply 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.



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FULL TEXT OF H-STATEMENTS

- None — PEG 200 is not classified under GHS; no H-statements apply.
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UN GHS REV.11 (2025) / REACH / OSHA HCS /
WHMIS

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