



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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SAFETY DATA SHEET (SDS)

Methoxy Propanol (PGMME)

SDS

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

CAS **107-98-2** EC **203-539-1** SIGNAL WORD **DANGER**

GHS02

Flammable Liquid

GHS07

Harmful / Irritant

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

Product Name	Methoxy Propanol (PGMME)
Product Type	1-Methoxy-2-propanol — solvent / industrial chemical
Chemical Family	Glycol ether (propylene glycol monomethyl ether)
CAS No.	107-98-2
EC No.	203-539-1
Intended Use	Industrial solvent for paints, coatings, inks, cleaning agents, and chemical formulations
Restrictions on Use	Industrial / professional use only. Confirm suitability for final application before use.
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/methoxy-propanol-pgmme
SDS Revision	July 2026
SDS Version	3.1



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SECTION 2 HAZARD IDENTIFICATION

Flam. Liq. 3; Eye Irrit. 2; Acute Tox. 4 (inhalation); STOT SE 3

Signal Word

WARNING

GHS Pictograms

GHS02 (Flammable Liquid) | GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H226 — Flammable liquid and vapour
- H319 — Causes serious eye irritation
- H332 — Harmful if inhaled
- H336 — May cause drowsiness or dizziness

PRECAUTIONARY — 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 — RESPONSE / STORAGE / DISPOSAL

- 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.



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- 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.
- P331 — Do NOT induce vomiting.
- 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	GHS CLASSIFICATION
1-Methoxy-2-propanol (PGMME)	107-98-2	203-539-1	100	Flam. Liq. 3 (H226); Eye Irrit. 2 (H319); Acute Tox. 4 — inhalation (H332); STOT SE 3 (H336)

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air immediately. Keep comfortable for breathing. Call a POISON CENTER or doctor if symptoms persist or if the person feels unwell.
Skin Contact	Remove contaminated clothing immediately. Wash affected area thoroughly with water and soap for at least 15 minutes. Seek medical attention if irritation develops or persists.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Call a POISON CENTER or doctor. Do not give anything by mouth to an unconscious person.
Note to Physician	Treat symptomatically based on exposure route and product hazards. STOT SE 3 classification indicates potential for narcotic effects at high vapour concentrations.



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SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam, dry chemical powder, carbon dioxide (CO ₂), water spray or fog. Use media appropriate to surrounding fire conditions.
Unsuitable Media	Direct high-pressure water jet — may spread burning liquid.
Specific Hazards	Flammable liquid and vapour (H226). Vapours may form explosive mixtures with air; vapours are heavier than air and may travel to remote ignition sources and flash back. Containers may rupture or explode when heated. Combustion may produce carbon monoxide, carbon dioxide, and other irritating or toxic fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Use grounded/explosion-proof equipment.
Special Procedures	Evacuate non-essential personnel and isolate the area. Cool fire-exposed containers with water spray. Prevent contaminated firewater run-off from entering drains, sewers, or watercourses.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate the area. Remove ignition sources. Use PPE as specified in Section 8. Avoid breathing vapours. Keep upwind. Ensure adequate ventilation.
Environmental Precautions	Prevent entry into drains, sewers, soil, and watercourses. Notify relevant authorities if significant environmental release cannot be prevented.
Containment / Clean-up	Contain spill with sand, earth, or other non-combustible absorbent material. Collect material into labelled, compatible, closed containers for disposal through an approved waste contractor. Flush residual area with water.
Reference to Sections	See Section 8 for PPE; Section 13 for disposal; Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use adequate ventilation or local exhaust ventilation. Keep away from heat, sparks, and open flames. Bond and ground containers
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	when transferring. Use explosion-proof equipment. Avoid contact with skin and eyes. Do not breathe vapours.
Hygiene	Wash hands thoroughly after handling. Remove contaminated clothing before reuse. Do not eat, drink, or smoke when using this product.
Storage Conditions	Store in original, tightly closed, compatible containers in a cool, well-ventilated area away from direct sunlight and ignition sources. Inspect containers regularly for leakage or damage.
Storage Temperature	Ambient (15–25 °C) unless supplier instructions specify otherwise. Keep cool.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides), concentrated acids, halogens. Reactive with aluminium chloride under elevated temperature.
Segregation	Segregate from food, drink, animal feed, and incompatible chemicals. Store locked up.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	CAS 107-98-2 — ACGIH TLV: 100 ppm (TWA), 150 ppm (STEL); EU OEL (indicative): 100 ppm / 375 mg/m ³ (TWA), 150 ppm / 568 mg/m ³ (STEL); OSHA PEL: not specifically established — apply ALARA / good industrial hygiene. Verify current local OEL before use.
Engineering Controls	Use closed handling systems or local exhaust ventilation for vapour or mist control. Use explosion-proof ventilation and grounding for flammable liquids. Ensure general dilution ventilation meets occupational exposure limits.
Respiratory Protection	If ventilation is inadequate or OEL may be exceeded, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergency or confined-space entry.
Hand / Eye / Skin	Gloves: chemical-resistant nitrile, butyl, or neoprene — select thickness and breakthrough time appropriate for the task. Eye/face: chemical splash goggles (EN 166 / ANSI Z87.1); add face shield for splash risk. Body: chemical-resistant clothing or apron; antistatic footwear where flammable vapours may occur. Provide eyewash station and safety shower at work area.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	Mild, ethereal / pleasant odour
Odour Threshold	Not established in reviewed public source data
pH	Not applicable (neat liquid); verify from supplier COA/SDS for aqueous grades
Melting / Freezing Point	–96 °C (–141 °F) [corrected from source: source value –139 °F mapped to this property]
Boiling Point / Range	120 °C (248 °F) at 760 mmHg [corrected from source: source value 248 °F at 760 mmHg was listed under Flash Point]
Flash Point	32–34 °C (closed cup) [corrected: source listed boiling point under this label; flash point sourced from NIOSH/ECHA for CAS 107–98–2 — verify with supplier COA]
Auto-ignition Temperature	270 °C at 1013 hPa [corrected from source: value was listed under Flammability Limits]
Flammability Limits	LEL: ~1.7 % v/v; UEL: ~13.1 % v/v [sourced from NIOSH/ECHA for CAS 107–98–2; source text did not provide these values — verify with supplier]
Vapour Pressure	11.8 mmHg at 25 °C (77 °F) [corrected from source: value listed under Relative Density]
Vapour Density (air = 1)	3.11 [corrected from source: value listed under Solubility; MW 90.12 / air 29 ≈ 3.1 — consistent]
Relative Density	0.919–0.924 at 20 °C [corrected from source: source value 0.924 was listed under Log Pow]
Solubility in Water	Miscible (≥100 mg/mL at 20 °C) [corrected from source: value listed under Evaporation Rate]
Log Pow (Partition Coeff.)	0.44 [ECHA/PubChem value for CAS 107–98–2; source listed specific gravity under this label — corrected]
Evaporation Rate	See supplier SDS for grade-specific value (relative to n-butyl acetate)
Viscosity	1.81 mPa·s at 20 °C [corrected from source: value found embedded in Section 9 narrative under Reactivity/Viscosity]
VOC Content	Assess per applicable regional VOC regulations; confirm from supplier SDS for grade-specific value



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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, sparks, open flames, and contamination with 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/gases may form in fire or at high temperatures.
Hazardous Reactions	No hazardous polymerisation. No hazardous reactions under normal storage and handling conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Rat LD ₅₀ ~5700–8600 mg/kg (low acute oral toxicity). Not classified for acute oral toxicity under GHS at this concentration.
Acute Dermal Toxicity	Rat/rabbit LD ₅₀ >2000 mg/kg. Not classified for acute dermal toxicity under GHS.
Acute Inhalation Toxicity	Classified Acute Tox. 4 (H332 — Harmful if inhaled). Rat LC ₅₀ (4h vapour) ~6500 ppm. High vapour concentrations may cause narcosis.
Skin Irritation	May cause mild skin irritation with prolonged contact. Not classified as skin irritant under GHS from available data.
Eye Irritation	Classified Eye Irrit. 2 (H319 — Causes serious eye irritation). Rabbit Draize score consistent with Category 2.
Sensitisation	Not a known skin or respiratory sensitizer based on available data.
Carcinogenicity	Not classified as carcinogenic. Not listed by IARC, NTP, or OSHA as a known or probable carcinogen.
Mutagenicity	Not classified as mutagenic. In vitro and in vivo genotoxicity tests were negative based on available public data.
Specific Target Organ — Single Exposure	Classified STOT SE 3 (H336 — May cause drowsiness or dizziness). Central nervous system depressant at high vapour concentrations.
Specific Target Organ — Repeat Exposure	No classification identified from available reviewed data. Supplier/test data should be confirmed.



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Aspiration Hazard	Not classified. Kinematic viscosity and product form do not indicate aspiration risk.
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SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No acute aquatic classification identified in Section 2 from reviewed data. Fish LC ₅₀ (96h) and Daphnia EC ₅₀ (48h) data suggest low acute aquatic toxicity at typical concentrations; however, avoid uncontrolled release.
Persistence / Degradability	Considered readily biodegradable based on structural analogy and available data. Verify with supplier or ECHA REACH dossier.
Bioaccumulation	Log Pow 0.44 – low bioaccumulation potential (BCF expected < 100). Not expected to bioaccumulate.
Mobility in Soil	Miscible with water; mobile in soil and groundwater. Prevent release to soil and surface water.
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 hazardous waste contractor in accordance with local/national regulations. Do not discharge to drains, surface water, or soil.
Contaminated Packaging	Empty containers may retain product residues and flammable vapours. Handle as hazardous until cleaned or disposed. Do not reuse without decontamination. Dispose of under applicable regulations.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 and applicable State Pollution Control Board requirements. Assign waste code per actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	UN 3092	UN 3092	UN 3092



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PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
Proper Shipping Name	1-METHOXY-2- PROPANOL	1-METHOXY-2- PROPANOL	1-METHOXY-2- PROPANOL
Class	3	3	3
Packing Group	III	III	III
Marine Pollutant	No	No	—
Tunnel Restriction (ADR)	D/E	—	—
EmS (IMDG)	—	F-E, S-D	—

UN-certified packaging appropriate to Class 3, PG III required for international transport. Label with Class 3 placard, UN 3092, PG III, and product name. Verify current carrier rules and quantity thresholds before shipment. Packing Group III confirmed from IMDG/IATA DG sources for CAS 107-98-2 — source text showed this field shifted; please verify with current IMDG/ADR schedule.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Registered / notified under REACH. Classified and labelled according to EU CLP Regulation (EC No. 1272/2008) per Section 2 classification. Observe REACH requirements for downstream users and importers.
EU Directive	Observe applicable workplace chemical (Directive 98/24/EC), VOC (2010/75/EU), and environmental requirements.
OSHA (USA)	Prepared in 16-section format aligned with OSHA HCS/HazCom 2012. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable requirements under MSIHC Rules 1989 (as amended), Environment Protection Act 1986, Hazardous and Other Wastes Rules 2016, Motor Vehicles Act (transport), and applicable State PCB requirements.
Canada WHMIS / HPR	Classify and label under WHMIS 2015/HPR using Section 2 classification. Canadian sale may require bilingual SDS/label and ingredient disclosure.
China (GB Standards)	Apply applicable GB/T SDS and classification requirements where product is marketed in China.
Australia (AICS)	Check AICS inventory status before export or import into Australia.
Other Jurisdictions	Final market placement requires confirmation of inventory status, local OELs, transport class, waste code, and any jurisdiction-specific restrictions.



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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; UN GHS Rev.11 Annex 4; OSHA HCS Appendix D; EU REACH Annex II/CLP; Canada WHMIS/HPR; PubChem CID 8754; ECHA dossier CAS 107-98-2; NIOSH/OSHA; CAMEO Chemicals; public supplier SDS/transport 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 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.

FULL TEXT OF H-STATEMENTS

- H226 — Flammable liquid and vapour
- H319 — Causes serious eye irritation
- H332 — Harmful if inhaled
- H336 — May cause drowsiness or dizziness