

SAFETY DATA SHEET

PROPYLENE GLYCOL METHYL ETHER (PM)

CAS No.: 107-98-2

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	Propylene Glycol Methyl Ether (PM)
CAS Number	107-98-2
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word	Warning
HAZARD CLASSIFICATION - Flammable liquid - Category 3 - Serious eye irritation - Category 2B	
HAZARD STATEMENTS - H226 - Flammable liquid and vapour - H320 - Causes eye irritation	
PRECAUTIONARY STATEMENTS - P210 - Keep away from heat, sparks, open flames and hot surfaces; no smoking - P233 - Keep container tightly closed - P240 - Ground/bond container and receiving equipment - P264 - Wash exposed skin thoroughly after handling - P305+P351+P338 - IF IN EYES: rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing - P337+P313 - If eye irritation persists: get medical advice/attention - P370+P378 - In case of fire, use extinguishing media suitable for the surrounding fire - P403+P235 - Store in a well-ventilated place and keep cool	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Propylene Glycol Methyl Ether (PM)
CAS Number	107-98-2
Physical State	Liquid
Appearance / Odour	Colorless liquid with a mild, sweetish ether-like odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing and seek medical attention if irritation persists.
Skin Contact	Wash off with water; not expected to cause more than transient irritation.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing; seek medical attention if symptoms persist.
Ingestion	Rinse mouth; give water to drink if conscious; seek medical attention if discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, alcohol-resistant foam, or water spray/fog.
Unsuitable Extinguishing Media	Avoid a straight/high-pressure water stream, which can spread the fire.
Special Hazards	Flammable liquid producing vapor that can form explosive mixtures with air; combustion produces carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Measures	Eliminate ignition sources, ventilate the area, contain the spill with inert absorbent, and collect for disposal using non-sparking tools; the material is water-miscible and can be diluted with water if a large release reaches a controlled area.
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7. HANDLING AND STORAGE

Handling Precautions	Use with adequate ventilation, keep away from heat/sparks/open flame, use grounded/bonded equipment, and avoid eye contact.
Storage Conditions	Store in a cool, well-ventilated area rated for flammable liquids, away from oxidizers and ignition sources, in tightly closed containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	ACGIH TLV ~100 ppm TWA (150 ppm STEL) is commonly referenced for propylene glycol monomethyl ether; use chemical-resistant gloves (nitrile), safety glasses/chemical goggles, and a NIOSH-approved organic vapor respirator where vapor exceeds exposure limits.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Colorless liquid with a mild, sweetish ether-like odor.
Boiling Point	~120 C
Melting Point	~-96 to -100 C
Flash Point	~32-38 C (closed cup)
Density / Specific Gravity	~0.92-0.93 g/cm3 at 20 C
Water Solubility	Miscible with water in all proportions
pH Value	Not applicable (non-aqueous, essentially neutral organic liquid)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong oxidizing agents and strong acids.
Hazardous Decomposition	Carbon monoxide and carbon dioxide on combustion.

11. TOXICOLOGICAL INFORMATION

Summary	Causes eye irritation; low acute oral and dermal toxicity; vapor may cause mild irritation and, at high concentrations, transient CNS effects (headache, drowsiness); not classified as a carcinogen, mutagen or reproductive toxicant based on available data — a widely used lower-toxicity alternative to earlier glycol ether solvents.
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12. ECOLOGICAL INFORMATION

Summary	Readily biodegradable with low bioaccumulation potential; not expected to be significantly hazardous to aquatic organisms at normal use/spill concentrations.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of as hazardous waste (flammable liquid) through a licensed waste management facility, or per local regulations for combustible water-miscible solvents; do not discharge undiluted to sewers.
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14. TRANSPORT INFORMATION

UN Number	UN1993 (Flammable liquid, n.o.s.) or UN3272, depending on formulation/classification
Transport Hazard Class	Class 3 (Flammable liquid)
Packing Group	III

15. REGULATORY INFORMATION

Notes	Widely used coatings, cleaning and industrial process solvent; classified as flammable with eye irritation potential under GHS, OSHA HCS and EU CLP; generally regarded as having a more favorable toxicological profile than earlier-generation (E-series) glycol ethers; regulated for transport under IMDG/ADR/IATA, Class 3, Packing Group III.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
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Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

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+91 - 9840284032, 9176135357
+91 - 44 - 25393652, 42130281
sales@surajchemicals.com
surajchemicals@yahoo.com

No 92, Govindappa Naicken Street
Shiva Complex, Chennai - 600001
www.surajchemicals.com
GST NO : 33ACEPV8190L1ZZ

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