

PROPYLENE GLYCOL MONOMETHYL ETHER (PM)

## SAFETY DATA SHEET

DYNAMIC (NANJING) CHEMICAL INDUSTRY CO.,LTD



according to GHS (fourth revised edition)

### Section 1 - Product and Company Identification

**Product name:** PROPYLENE GLYCOL MONOMETHYL ETHER (PM)

### Section 2 - Hazards Identification

Label elements of the substance according to GHS(the fourth revised edition):

<b>Pictogram</b>	 
<b>Signal</b>	Warning
<b>Hazard statement(s)</b>	H226 Flammable liquid and vapour H336 May cause drowsiness or dizziness
<b>Precautionary statements</b>	P210 Keep away from heat/sparks/open flames/hot surfaces. 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. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3 – Composition/Information on Ingredients

Component	Concentration	CAS No.	EC No.
Propylene Glycol Monoethyl Ether (PM)	≥99.5%	107-98-2	203-539-1

### Section 4 – First Aid Measures

**After skin contact:** Wash off with soap and plenty of water. Consult a physician.

**After eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**After ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**After inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

### Section 5 – Fire Fighting Measures

**Hazardous products of combustion:** Carbon oxides.

**Extinguishing method:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment :** Wear self contained breathing apparatus for fire fighting if necessary.

### Section 6 – Accidental Release Measure

**Personal precautions:** Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods for cleaning up:** Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

### Section 7 – Handling and Storage

**Handling:** Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Avoid breathing vapors, mist or gas.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### Section 8 – Exposure Controls, Personal Protection

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Respiratory protection:** Use a full-face supplied air respirator.

<b>Eye protection:</b>	Wear chemical goggles
<b>Body protection:</b>	Protective work clothing
<b>Hand Protection:</b>	Wear impervious chemical resistant gloves
<b>Other protection:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9 – Physical and Chemical Properties

<b>Appearance:</b> Colorless transparent liquid	<b>Odor:</b> No data available
<b>Melting point (°C):</b> -95	<b>Relative density (g/cm<sup>3</sup>):</b> 0.922 (25 °C)
<b>Boiling point (°C):</b> 120	<b>Relative density of steam distillation (g/mL):</b> 3.22 (air: 1.0)
<b>Saturated vapor pressure(Kpa):</b> No data available	<b>Heat of combustion (kJ/mol):</b> No data available
<b>Flash point (°C):</b> 32.2 (closed cup)	<b>Critical pressure (Mpa):</b> No data available
<b>Ignition temperature (°C):</b> No data available	<b>Upper explosive limit% (V/V):</b> 16
<b>Partition coefficient octanol/water:</b> No data available	<b>Lower explosive limit% (V/V):</b> 1.8

## Section 10 – Stability and Reactivity

<b>Stability:</b>	No data available.
<b>Substances to avoid:</b>	Strong oxidizing agents.
<b>Condition to avoid contact</b>	Heat, flames and sparks.
<b>Hazardous decomposition products:</b>	No data available.

## Section 11 – Toxicological Information

<b>Acute toxicity:</b>	
	LD <sub>50</sub> : (rat, oral) 4400mg/kg; LD <sub>50</sub> (rabbit, oral) 4400mg/kg; LC <sub>50</sub> : (rat, inhalation, 4 h).
<b>Skin corrosion/irritation:</b>	No data available.
<b>Serious eye damage/eye irritation:</b>	No data available.
<b>Respiratory or skin sensitization:</b>	No data available.
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	No data available.
<b>Reproductive toxicity:</b>	No data available.
<b>Specific target organ toxicity – single exposure:</b>	No data available.
<b>Specific target organ toxicity – repeated exposure:</b>	No data available.
<b>Aspiration hazard:</b>	No data available.

## Section 12 – Ecological Information

<b>Ecotoxicity:</b>	No data available.
<b>Biodegradability:</b>	No data available.
<b>Abiotic degradation:</b>	No data available.
<b>Bioaccumulation:</b>	No data available.
<b>Other hazards</b>	No data available.

## Section 13 – Disposal Considerations

<b>Property of waste:</b>	No data available.
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**Methods of disposal:** Dispose of in a manner consistent with federal, state, and local regulations.

Burning method is recommended.

**Precautions of disposal:** No data available.

### Section 14 - Transport Information

**UN number:** 3092  
**UN proper shipping name:** 1-METHOXY-2-PROPANOL  
**Transport hazard class:** Class 3  
**Packing group:** III

### Section 15 - Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

no data available

### Section 16 - Additional Information

**Other information:**

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