

SAFETY DATA SHEET: PM SOLVENT

MSDS No: TMC-AL-3092

1. IDENTIFICATION OF CHEMICAL PRODUCT

Name of substance: Propylene Glycol Monomethyl Ether	Chemical Family: Alcohol / Glycol Ether
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Product Description: Clear and colourless liquid.

Supplier: **Transmare-Chemie (Singapore) Pte Ltd**
No. 12 Soon Lee Road, Singapore 628076
Telephone: (65) 6262 0122
Facsimile: (65) 6262 0112
Email: sales@transmare-chemie.com
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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable Liquid	Category 3
Serious Eye Damage / Irritation	Category 2A
Specific Target Organ Toxicant (Single Exposure)	Category 3

GHS Label Elements

Symbols:



Signal Word(s): Danger

GHS Hazards Statement

Physical Hazards:

H226: Flammable Liquid and Vapor

Health Hazards:

H320: Causes eye irritation
H335: May cause respiratory irritation.

Environmental Hazards: N/A

GHS Precautionary Statement

Prevention:

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.

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Response:	
P301+P310:	If Swallowed: Call a Poison Center or doctor/physician if you feel unwell.
P303+P361+P353:	If on Skin (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340:	If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312:	Call a POISON CENTER or doctor/physician if you feel unwell.
P331:	Do Not induce vomiting.
P332+P313:	If Skin Irritation occurs: Get medical advice/attention.
P370+P378:	In case of fire: Use appropriate media for extinction.
P391:	Collect spillage.
Storage:	
P403+P235:	Store in a well-ventilated place. Keep cool.
P233:	Keep container tightly closed.
Disposal	
P501:	Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.
Other Hazards Which Do Not Result in Classification	
N/A	
Aggravated Medical Condition	
N/A	

3. COMPOSITION/ INFORMATION ON INGREDIENTS CAS NUMBER: 107-98-2

Chemical Name	CAS Number	Concentration
1-Methoxy-2-Propanol	107-98-2	100%

4. FIRST AID MEASURES

Inhalation, Skin Contact, Eye Contact, Ingestion



Medical attention. Emergency shower.



EMERGENCY SHOWER



EMERGENCY EYE WASH

Emergency eyewash.

5. FIRE FIGHTING MEASURE

Appropriate Extinguishing Media:
<ul style="list-style-type: none"> - CO₂ - Alcohol Resistance Foam - Dry Chemical - Water Fog
Inappropriate Extinguishing Media:
N/A

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6. ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources. Prevent liquid enters sewers, water sources, low area.
- Spill with sand, earth. Dilute contained spill with water. Dispose recover material conforms to local regulation.
- Keep public away.

7. HANDLING AND STORAGE






Storage/ Transport Temperature: N/A	Loading/ Unloading Temperature: N/A
<p>Ensure all equipment is electrically grounded before beginning transfer operations. Take precautionary measures against static discharge. Keep away from heat and sources of ignition. Avoid breathing mists or vapour. Avoid contact with skin.</p>	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control Measures/Ventilation
 Use Local exhaust ventilation to control process.
 Provide mechanical ventilation of confined spaces.
 Use explosion-proof ventilation equipment.

Occupational Exposure Limits (OEL) Values
 TWA: 100ppm
 STEL: 150ppm

Personal Protection

Vapor respirator. Gloves. Goggles. Full suit. Footwear.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Liquid
Form/Color:	Clear / Colourless
Odor:	Sweet taste of ether
Flash Point (TCC ASTM D56):	32 °C
Boiling Point / Range:	120 °C
Specific Gravity(20.0/20.0):	N/A
Density (25°C):	0.917g/cm ³
Freezing/Melting Point:	-95 °C
Auto-ignition Temperature:	286 °C
Evaporation Rate (n-Bu Acetate=1):	0.7
Vapor Pressure (25°C):	11.8mmHg
Viscosity (20°C):	N/A
Solubility in Water (20°C):	Soluble in water
Explosive Limits (in air):	1.6 – 13.8vol%
Vapor Density (101.3kPa/air = 1):	3.11
Molecular Weight:	N/A
Coeff. Of Thermal Expansion (liq):	N/A
Odor Threshold:	10ppm
pH:	N/A
Material Hygroscopic:	N/A
Log Kow: (n-Octanol/Water Partition Coefficient)	-0.53

10. STABILITY AND REACTIVITY

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Hazardous Polymerization: No	Conditions to Avoid Polymerization: N/A
Stability: Stable	Conditions to Avoid Instability: N/A
Materials and Conditions to Avoid:	Strong oxidizing agents, high temperature.
Hazardous Decomposition Products:	N/A

11. TOXICOLOGICAL INFORMATION

Inhalation:	Irritation to respiratory tract. May cause dizziness. May affect central nervous system.
Skin Contact:	Defat, dry skin. Low order of toxicity.
Eye Contact:	May cause discomfort to the eyes. Will not injure eye tissue.
Ingestion:	Minimal toxicity, small amounts may cause bronchopneumonia or pulmonary edema.

12. ECOLOGICAL INFORMATION

Environmental Mobility:	When released into soil, material is expected to biodegrade.
Environmental Degradability:	Expected to evaporate and biodegrade when released into water. Biodegrades readily.
Ecotoxicity and Bioaccumulation:	N/A

13. DISPOSAL CONSIDERATIONS

Combine with other materials to indicate another route of disposal.
 Recycle, recover or dispose empty drums through a suitably qualified or licensed contractor.
 Ensure compliance with national and local regulations.
 NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.
 This product is ash less and can be burned directly in appropriate equipment.
 Contact Transmare-Chemie or local Authorities for more information.

14. TRANSPORT INFORMATION

	Land	Sea	Air
Class	3	3	3
Packing Group	III	III	III
UN Number	3092	3092	3092
Transport Document Name	1-Methoxy-2-Propanol, Class 3, UN3092, PG III, (32°C)	1-Methoxy-2-Propanol, Class 3, UN3092, PG III, (32°C)	1-Methoxy-2-Propanol
Others	Hazchem Code: 3Y	Marine Pollutant: No EmS: F-E, S-D Risk Label: 3	

15. REGULATORY INFORMATION

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Material is hazardous according to GHS Criteria.

16. OTHER INFORMATION

Revision Date on 15th April 2024

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of Transmare-Chemie Company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.