

SAFETY DATA SHEET: PMA

MSDS No: TMC-ES-3272

1. IDENTIFICATION OF CHEMICAL PRODUCT

Name of substance: Propylene Glycol Monomethyl Ether Acetate | **Chemical Family:** Ester

Product Description: Clear, 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
Website: www.transmare-chemie.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable Liquid Category 3
Specific Target Organ Toxicity (Single Exposure) Category 3

GHS Label Elements

Symbols:



Signal Word(s): Warning

GHS Hazards Statement

Physical Hazards:

H226: Flammable Liquid and Vapor

Health Hazards:

H335: May cause respiratory irritation.

Environmental Hazards: Not classified as environmental hazards under GHS criteria.

GHS Precautionary Statement

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233: Keep container tightly closed.
P243: Take precautionary measures against static discharge.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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.

SAFETY DATA SHEET: PMA

MSDS No: TMC-ES-3272

P305+P351+P338:	If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
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.
P337+P313:	If eye irritation persists: Get medical advice/attention.
P370+P378:	In case of fire: Use appropriate media for extinction.
Storage:	
P403+P235:	Store in a well-ventilated place. Keep cool.
P405:	Store locked up.
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: 108-65-6
Chemical Name	CAS Number	Concentration
1-Methoxy-2-Propanol Acetate	108-65-6	100 wt%

4. FIRST AID MEASURES		
Inhalation, Skin Contact, Eye Contact, Ingestion		
		
<i>Medical attention.</i>	<i>Emergency shower.</i>	<i>Emergency eyewash.</i>

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

SAFETY DATA SHEET: PMA

MSDS No: TMC-ES-3272

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:
Ambient

Loading/ Unloading Temperature:
Ambient

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.

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

N/A

Personal Protection



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

SAFETY DATA SHEET: PMA

MSDS No: TMC-ES-3272

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Liquid
Form/Color:	Clear / Colourless
Odor:	Sweet
Flash Point (TCC ASTM D56):	42°C
Boiling Point / Range:	146 °C
Specific Gravity(20.0/20.0):	N/A
Density:	0.966g/cm ³
Freezing/Melting Point:	N/A
Auto-ignition Temperature:	354 °C
Evaporation Rate (n-Bu Acetate=1):	0.39
Vapor Pressure (25°C):	3.8mmHg
Viscosity (20°C):	N/A
Solubility in Water (20°C):	Solubility with waterish 18.5% Soluble with organic solvent
Explosive Limits (in air):	1.5-7vol% (200°C)
Vapor Density (101.3kPa/air = 1):	4.6
Molecular Weight:	N/A
Coeff. Of Thermal Expansion (liq):	N/A
Odor Threshold:	N/A
pH:	N/A
Material Hygroscopic:	N/A
Log Kow: (n-Octanol/Water Partition Coefficient)	N/A

10. STABILITY AND REACTIVITY	
Hazardous Polymerization: N/A	Conditions to Avoid Polymerization: N/A
Stability: Stable	Conditions to Avoid Instability: N/A
Materials and Conditions to Avoid:	Strong oxidizing agents, strong caustics, high temperature.
Hazardous Decomposition Products:	Carbon Oxides

SAFETY DATA SHEET: PMA

MSDS No: TMC-ES-3272

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:	N/A
Environmental Degradability:	N/A
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	3272	3272	3272
Transport Document Name	Esther, N.O.S (1-Methoxy-2-Propanol Acetate), Class 3, UN3272, PG III, (42°C)	Esther, N.O.S (1-Methoxy-2-Propanol Acetate), Class 3, UN3272, PG III, (42°C)	Esther, N.O.S (1-Methoxy-2-Propanol Acetate)
Others	Hazchem Code: 3YE	Marine Pollutant: No EmS: F-E, S-D Risk Label: 3	

SAFETY DATA SHEET: PMAMSDS No: TMC-ES-3272

15. REGULATORY INFORMATION**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.