

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: *Propylene Glycol Monomethyl Ether – PM Solvent*



Supplier: TMK Packers Ltd

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Website: www.tmkpackers.co.nz

Emergency phone: **National Poison Centre**
0800 POISON [0800 764 766]

2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the *Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

HSNO Classifications: 3.1C, 6.4A

Signal word: **DANGER**

Pictograms:



Hazard Statements:

H226 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Prevention Statements :

P210 Keep away from heat, open flames, hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond containers 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 and eye protection.
P281 Use personal protection equipment as required.

Response Statements

- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
P370 + P378 In case of fire: Use water fog or mist or alcohol-resistant foam.

Storage Statement:

- P405 Store locked up.
P403 + P233 Store in well-ventilated place. Keep container tightly closed.
P403 + P235 Store in well-ventilated place. Keep cool.

Disposal Statement:

- P501 Dispose of product to a landfill in accordance with any local regulations.

3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Propylene Glycol Monoethyl Ether (PM)	107-98-2	> 99.5

4. FIRST AID MEASURES

For advice, contact the National Poison Centre (0800 POISON: 0800 764 766) or a doctor.
Have product container or label available.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth and give a glass of water to drink if person is conscious. Get medical attention.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.



Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if recovery is not rapid.

Advice to Doctor: Treat according to symptoms. Gastric lavage may be indicated if ingested. Do not wait from symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

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 firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

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.

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 vapours, 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



8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Engineering Controls:	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection:	Use a full-face supplied air respirator.
Eye Protection:	Wear chemical goggles
Body Protection:	Protective work clothing
Hand Protection:	Wear impervious chemical resistant gloves
Other Protection:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless liquid
Odour:	Information not available.
Odour threshold:	Not available
pH:	Not available
Melting point/Freezing point(°C):	-95
Boiling point/Boiling range (°C):	120
Flash point (°C):	32.2
Ignition temperature (C)	No Data available
Partition coefficient octanol/water:	No Data available
Relative density at 200 C, g/cm ³ :	0.922
Relative density of steam distillation (g/mL):	3.22 (air:1.0)
Partition coefficient: n-octanol/water:	Not available
Heat of combustion (kJ/mol):	No data available
Critical pressure (Mpa):	No data available
Upper explosive limit %(V/V):	16
Lower explosive limit %(V/V):	1.8

10. STABILITY AND REACTIVITY

Chemical Stability:	No Data Available.
Conditions to avoid:	Sources of heat, ignition, sparks and open flames.
Hazardous decomposition products:	No Data Available
Substance to avoid :	None specified



11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

LD₅₀: rat. c.ral -l-100mg/kg; LD56 (rabbit, oral) 4400mg/kg; LC₅₀: rat. inhalation. -1 h)

ASPIRATION HAZARD:

Not classified with aspiration hazard.

RESPIRATORY IRRITATION:

No data available

SKIN CORROSION/IRRITATION:

Not classified as an irritant.

SERIOUS EYE DAMAGE/IRRITATION:

No data available

RESPIRATORY OR SKIN SENSITISATION:

No data available

GERM CELL MUTAGENICITY:

No data available

CARCINOGENICITY:

No data available

REPRODUCTIVE TOXICITY:

No data available

SPECIFIC ORGAN TOXICITY (REPEATED AND SINGLE EXPOSURE):

No data available

NARCOTIC EFFECTS:

No data available

Toxicological data:

No data available

Additional information:

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No Data available

Aquatic toxicity: No Data available

Persistence/degradability: No Data available

Mobility: No Data available

Other information: No Data available



13. DISPOSAL CONSIDERATIONS

Property of Waste: No Data Available

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

14. TRANSPORT INFORMATION

UN Number: 3092
Shipping name: I-METHOXY-2-PROPANOL
Class: 3
Packing group: III



Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 3.

Please consult NZS 5433:2007 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance mixture:
No data available

16. OTHER INFORMATION

Date of Issue: 13th June 2023
Reasons for Issue: New Safety Data Sheet
Replaces: -

Abbreviations:

CAS No Chemical Abstracts Number
ERMA Environmental Risk Management Authority
HSNO Hazardous Substances and New Organisms
NZCI New Zealand Chemical Inventory
STEL Short Term Exposure Limit
TWA Time Weighted Average
WES Workplace Exposure Standard

References:

Supplier Material Safety Data Sheets
ERMA website: www.epa.govt.nz



The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact TMK Packers Ltd.

END OF SAFETY DATA SHEET

