

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product Name:** PMA Solvent

**Other Names:** Propylene glycol monomethyl ether acetate; 2-Propanol, 1-methoxy-, acetate; 1-Methoxy-2-acetoxy propane; 1-Methoxy-2-propanol acetate; 2-acetoxy-1methoxypropane; 2-propaniol, 1-methoxy-, acetate.

**Recommended Use:** Solvent

**Supplier:** TMK Packers Ltd

**Address:** 2/20 Trugood Drive, East Tamaki.  
PO Box 258 031, Botany, Manukau 2163

**Telephone:** (+64) 9 273 3753

**Facsimile:** (+64) 9 273 3752

**Website:** [www.tmkpackers.co.nz](http://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:**

H225 Highly flammable liquid and vapour.

H320 Causes eye irritation.



### Prevention Statements :

- P103 Read label before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety instructions have been read and understood.
- 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.
- P264 Wash hands thoroughly after handling
- P280 Wear protective gloves and eye protection.
- P281 Use personal protection equipment as required.

### Response Statements

- 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.
- P337 + P313 If eye irritation persists: Get medical advice.
- P370 + P378 In case of fire: Use water fog or mist or alcohol-resistant foam.

### Storage Statement:

- 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 (%)
2-Propanol, 1-methoxy-,acetate	108-65-6	> 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.

**First Aid Facilities:** Provide eye bath and hand washing facilities.

**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

### Extinguishing media:

Water fog or fine spray mist.

### Fire & Explosion hazards:

Highly flammable liquid and vapour. The vapour forms explosive mixtures with air. Do not breathe smoke, gases or vapours generated in a fire. Decomposition products may be toxic.

### Firefighting Equipment:

Full protective clothing and self-contained breathing apparatus (SCBA).

### In event of fire:

- Alert Fire Bridge (111); advise location and nature of hazard.
- Keep bystanders away.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- Eliminate sources of ignition
- If safe, switch off electrical equipment until vapour hazard removed.
- Use fine water spray to control fire and cool adjacent area.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

**Hazchem Code:** 3YE

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Procedures & Containment:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity".



### Minor spills

- Clean up spills immediately.
- Remove all ignition sources.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container.
- Seal container and dispose of safely.

### Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Eliminate ignition sources, naked lights. No smoking.
- Stop leak if safe to do so.
- Water spray or water fog may be used to disperse or absorb vapour.
- Contain spill with sand, earth or vermiculite.
- Use spark-free shovels and explosion proof equipment.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Increase ventilation.
- Collect recoverable product into labeled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

## 7. HANDLING AND STORAGE

**HANDLING:** Flammable liquid and vapour. Read label before use. Keep container closed when not in use. Use only in well-ventilated area. No smoking. Avoid breathing vapors or direct contact with product. Wear personal protective equipment. Wash hands and exposed skin after handling.

Remove or isolate ignition sources. Use explosion proof equipment. Avoid sparks. Ground and bond containers when transferring product. Electrostatic charge may be generated during pumping with risk of fire. Take necessary action to avoid static electricity discharge.

**STORAGE:** Keep out of reach of children. Ensure all storage areas have adequate firefighting equipment. Store securely in closed original container in a cool dry well-ventilated place, away from sunlight, ignition sources, heat, incompatible substances, and away from food, drink and animal foodstuffs. Take precautions to avoid vapour accumulation in pits and





confined spaces.

**Recommended materials:** No information available.

**Unsuitable materials:** No information available.

## 8. EXPOSURE CONTROLS: PERSONAL PROTECTION

**EXPOSURE GUIDELINES:** NZ Workplace Exposure Standard (WES) have not been set for this substance.

For guidance following are limits set in Australia:

	WES-TWA	WES-STEL
2-Propanol, 1-methoxy-,acetate	50 ppm (274 mg/m <sup>3</sup> )	100 ppm (548 mg/m <sup>3</sup> )

**Biological Exposure Indices:** Not applicable.

**ENGINEERING CONTROLS:** Use only in a well-ventilated area. Use full-face respirator with multi-purpose respirator cartridge. Where air-filtering respirators are unsuitable (e.g. air borne concentrations are high, risk or oxygen deficiency, confined space) use positive pressure breathing apparatus.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Wear impervious protective clothing. Safety shoes and boots need to be chemically resistant. Wear appropriate chemical resistant gloves, e.g. butyl rubber. Wear tightly fitting chemical goggles. Refer to the relevant AS/NZ standards for appropriate personal protective equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless liquid
Odour:	Information not available.
Odour threshold:	Not available
pH:	Not available
Melting point/Freezing point( 0 C):	Not available
Boiling point/Boiling range ( 0 C):	146
Flash point (0 C):	42
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits in air (%v/v):	1.5 to 7.0
Vapour pressure (MPa):	0.5
Vapour density (air =1):	4.6
Relative density at 200 C, g/cc:	0.96
Solubility in water:	Miscible
Partition coefficient: n-octanol/water:	Not available



Auto-ignition temperature (0 C):	354.5
Decomposition temperature (0 C):	Not available
Viscosity (mPa.s @ 25 0 C):	Not available
Volatile organic carbon content:	Not available
Evaporation rate (nBuAc =1):	Not available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at room temperature and pressure.

**Conditions to avoid:** Sources of heat, ignition, open flames.

**Hazardous decomposition products:** No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".

**Hazardous reactions:** None specified

## 11. TOXICOLOGICAL INFORMATION

**POTENTIAL HEALTH EFFECTS:** This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

**ACUTE TOXICITY:** Not classified for acute toxicity by ingestion, contact with skin or if inhaled.

**ASPIRATION HAZARD:** Not classified with aspiration hazard.

**RESPIRATORY IRRITATION:** Inhalation of vapours may be irritating to respiratory system.

**SKIN CORROSION/IRRITATION:** Not classified an irritant.

**SERIOUS EYE DAMAGE/IRRITATION:** Classified as serious eye irritant.

**RESPIRATORY OR SKIN SENSITISATION:** Not classified.

**GERM CELL MUTAGENICITY:** Not classified.

**CARCINOGENICITY:** Not classified.

**REPRODUCTIVE TOXICITY:** Not classified.

**SPECIFIC ORGAN TOXICITY (REPEATED AND SINGLE EXPOSURE):** Not classified.

**NARCOTIC EFFECTS:** Not classified.

**Toxicological data:** Not available.

**Additional information:** Not available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Aquatic toxicity:** This product has not been classified as being toxic to aquatic life.



**Persistence/degradability:** Not expected to be persistent or bioaccumulative.  
Product is highly volatile and will evaporate to air if released into water.

**Mobility:** Product is soluble in water.

**Other information:** Not available.

**Environmental Exposure Standards:** Not Available.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL:** Recover and recycle product through solvent recovery whenever possible. Send clean dry drums to recycling facility or metal scrap reclaimer. Dispose of waste in accordance with Regional Authority or local council bylaws.

**SPECIAL PRECAUTIONS:** Ensure empty containers are vented and dry. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Do not use empty drums for storing other products

### 14. TRANSPORT INFORMATION

UN Number: 3272  
Shipping name: ETHERS, N.O.S. (PMA SOLVENT)  
Class: 3  
Packing group: II or III  
Hazchem code: 3YE or 3Y



#### 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

**Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.**

**HSNO Substance Approval Code:** HSR001219; 2-Propanol,1-methoxy-,acetate.

Refer to Section 2 for hazardous classifications and to [www.epa.govt.nz](http://www.epa.govt.nz) for Controls and Conditions.

For additional compliance information refer to Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz)



## 16. OTHER INFORMATION

**Date of Issue:** 24<sup>th</sup> January 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](http://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

