



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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### Product Name: METHOXY PROPANOL

Company: Recochem Inc. ABN: 69 010 485 999  
Address : 1809 Lytton Road, Lytton, Queensland 4178  
Phone: (07) 3308 5200 Fax: (07) 3308 5201  
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: Propylene glycol monomethyl ether; Icinol PM; Methoxy propoxol; 1-Methoxy-2-propanol; PGME  
Manufacturer's Product Code: 16776  
Recommended Use: Solvent

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## SECTION 2 HAZARDS IDENTIFICATION

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**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA  
A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbols:

Risk Phrases: R10 Flammable

Safety Phrases: S2 Keep out of the reach of children  
S24/25 Avoid contact with skin and eyes

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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### Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Propylene glycol monomethylether	107-98-2	>99

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## SECTION 4 FIRST AID MEASURES

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### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.

**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical assistance.

**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. Seek immediate medical assistance.

**Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor:** Treat symptomatically.

**Additional Information:** None available.

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## SECTION 5 FIRE FIGHTING MEASURES

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**Specific Hazards:** Flammable liquid. May form flammable vapour mixture with air. Avoid all ignition sources. Flameproof equipment necessary in area where chemical is being used. Nearby equipment must be earthed. Vapours may travel considerable distances to source of ignition and flashback. Vapours may accumulate in low or confined areas.

**Hazards from combustion products:** Carbon monoxide and/or Carbon dioxide may be evolved.

**Fire Fighting Media and Instructions:** Flammable liquid. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Use water fog or spray, foam, dry agent

**Product: METHOXY PROPANOL**

Additional Information: None

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Observe all local and national regulations

**Spills and Disposal:** Shut off all sources of ignition. Increase ventilation. Clear area of all unprotected personnel. Stop leak if safe to do so. Absorb with dry earth, sand or other non-combustible and inert material. Collect and seal improperly labelled containers or drums for disposal. Wash down area with excess water.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for Safe Handling and Storage:** Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

**Flammability:** Flammable

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Standards:** National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard 369mg/m<sup>3</sup> (100ppm) TWA (8hr) , 553mg/m<sup>3</sup> (150ppm) STEL (15 min).

**Biological Limit Values:** No biological limit allocated

**Personal Protective Equipment:**

**Respiratory Protection:** If inhalation risk exists an approved organic vapour respirator (AS/NZS 1715 and 1716) should be worn.

**Hand Protection:** Use solvent resistant gloves. Nitrile, PVC or neoprene.

**Eye Protection:** Wear safety Goggles.

**Protective Clothing:** Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

**Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

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**SECTION 9 IDENTIFICATION**

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**PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES**

Appearance	Colourless Clear Liquid
Odour	Ether like
pH:	N/A
Vapour Pressure ( @ 20°C):	1.67 kPa
Vapour Density (air = 1)	3.11
Boiling Point (°C):	118
Freezing/Melting Point (°C):	-95
Solubility in Water	Miscible with water
Specific Gravity (g/ml @ 15°C):	0.92
Flashpoint (°C):	32 (Closed cup)
Flammability Limits (%):	1.7 – 11.5
Auto Ignition Temperature (°C):	270
Percent Volatiles	100

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**SECTION 10 STABILITY AND REACTIVITY**

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**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Avoid heat, sparks, open flames and other ignition sources.

**Incompatible Materials:** Strong oxidising agents, aluminium and alloys, copper and copper alloys.

**Hazardous Decomposition Products:** Burning can produce carbon monoxide and/or carbon dioxide.

**Product: METHOXY PROPANOL**

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**HEALTH EFFECTS**

*Acute:*

**Swallowed:** Swallowing large amounts may result in nausea and vomiting.

**Eye:** A mild eye irritant

**Skin:** Contact with skin will result in irritation. Will have a degreasing effect on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

**Inhaled:** Breathing in vapour may produce respiratory irritation. Breathing in high concentrations can produce central nervous system depression which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

**Toxicological Data**

Oral LD50 (rat): 6600mg/kg.  
Dermal LD50 (rabbit): 13000 mg/kg.  
Inhalation LC50 (rat): 10000 ppm/5h

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

Mobility : Miscible with water  
Avoid contaminating waterways, drains, sewers, and soil.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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**Disposal Methods:** Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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UN Number:	3092	Proper Shipping Name:	1-Methoxy-2-propanol
Class:	3	Subsidiary Risk:	N/A
Packing Group:	III	Hazchem Code:	2Y
Special Precautions for User:	None		

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**SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule : None Allocated  
AICS : Listed  
Dangerous Goods Initial Emergency Response Guide (SAA HB76:2004) : 16

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**SECTION 16 OTHER INFORMATION**

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Further Information may be obtained by contacting Recochem on (07) 3308 5200

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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.

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