TCI M0126-25ML

User Manual

1-Methoxy-2-propanol (M0126-25ML)

TCI America

1. Introduction

This manual provides essential information for the safe and effective handling, storage, and application of TCI America's 1-Methoxy-2-propanol (Product Code: M0126-25ML). This chemical is intended strictly for laboratory research and development purposes.

1-Methoxy-2-propanol, also known by its synonym Propylene Glycol 1-Monomethyl Ether, is a versatile organic solvent and building block used in various chemical synthesis applications.

Figure 1: Chemical structure of 1-Methoxy-2-propanol. This image illustrates the molecular arrangement of the compound, showing the methoxy and hydroxyl functional groups attached to a propane backbone.

2. Product Specifications

Detailed chemical and physical properties of 1-Methoxy-2-propanol (M0126-25ML) are provided below:

Property	Value
Chemical Name	1-Methoxy-2-propanol
CAS Number	107-98-2
MDL Number	MFCD00004537

Property	Value
Purity	>98.0% (GC)
Molecular Formula	C4H10O2
Molecular Weight	90.12
Boiling Point	120 °C
Melting Point	-96 °C
Synonyms	Propylene Glycol 1-Monomethyl Ether

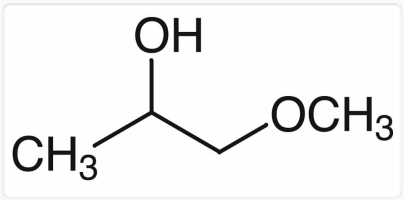


Figure 2: Representative product packaging for TCI America 1-Methoxy-2-propanol. The image shows a typical amber glass bottle with a white cap, labeled with product information, indicating its chemical nature and brand.

3. Safety and Handling Guidelines

It is imperative to adhere to all safety protocols when handling 1-Methoxy-2-propanol. This product is intended for **laboratory research use only** and is not for human or animal consumption, nor for use as a component in food, drugs, medical devices, or cosmetics. It is also not to be used as a pesticide.

Users are responsible for properly testing, using, manufacturing, and marketing any products derived from or incorporating this chemical. TCI America has not tested this product for safety and efficacy in food, drug, cosmetic, or pesticide applications unless explicitly stated otherwise in writing.

3.1 General Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and a lab coat.
- Work in a well-ventilated area or under a fume hood to minimize exposure to vapors.
- Avoid inhalation, ingestion, and skin or eye contact.
- In case of contact, immediately flush affected areas with plenty of water and seek medical attention if necessary.
- Refer to the Safety Data Sheet (SDS) for comprehensive safety information before use.

4. Storage Instructions

To maintain product integrity and ensure safety, store 1-Methoxy-2-propanol under the following conditions:

- **Storage Temperature:** 15-25 °C (Room Temperature).
- Store in a tightly sealed container in a cool, dry, and well-ventilated area.
- Keep away from incompatible materials, heat sources, open flames, and direct sunlight.

5. Applications

1-Methoxy-2-propanol is widely utilized in various laboratory and industrial applications, primarily as:

- A solvent for synthesis in organic chemistry.
- An organic building block for the creation of more complex molecules.
- A component in various chemical formulations.

Figure 3: A selection of various laboratory chemicals offered by TCI America. This image showcases the diverse range of reagents and solvents available from the manufacturer, highlighting their commitment to providing high-quality products for research and development.

6. Manufacturer Information and Support

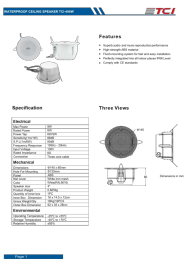
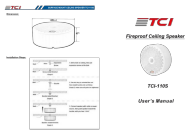
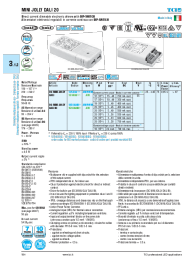
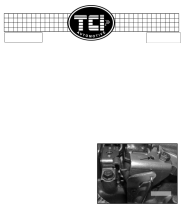
TCI America is a division of Tokyo Chemical Industry, a global leader in providing high-quality organic reagents for research and development. TCI America offers a comprehensive catalog of over 27,000 organic reagents.

For technical support, product inquiries, or to access the full terms and conditions, please refer to the official TCI America website or contact their customer service department. Products are fulfilled directly by TCI America.

Figure 4: The official logo of TCI America. The logo features the letters "TCI" enclosed within hexagonal shapes, representing the chemical nature of their products and their structured approach to quality.

Related Documents - M0126-25ML

	TCI Reagent Guide: Synthetic Organic & Materials Chemistry Explore the 8th edition of the TCI Reagent Guide, a comprehensive resource for synthetic organic chemistry and materials chemistry. Discover a wide range of reagents, including those for oxidation, N-oxides, TEMPOs, and organic bismuth compounds.

	[TCI-406W Waterproof Ceiling Speaker - Technical Specifications and Installation] Detailed technical specifications, features, and installation guide for the TCI-406W waterproof ceiling speaker, designed for high-quality audio reproduction in indoor environments.
	[TCI TCI-12MX Mixer User Manual - Comprehensive Guide] Detailed user manual for the TCI TCI-12MX audio mixer, covering safety, functions, channel controls, connectivity, DSP effects, technical specifications, and connection modes.
	[TCI-110S Surface Mount Ceiling Speaker: User Manual & Installation Guide] Detailed user manual and installation guide for the TCI-110S surface mount fireproof ceiling speaker. Learn about its features, specifications, and step-by-step installation process.
	[TCI MINI JOLLY DALI 20: Dimmable LED Driver with DIP-SWITCH Control] Technical overview of the TCI MINI JOLLY DALI 20, a compact, dimmable electronic LED driver with DIP-SWITCH for current selection, DALI, AM, and PWM control. Features include ripple-free operation, active PFC, and thermal protection.
	[TCI 386000 Trans-Scat Kit Installation Instructions for Turbo 2004R Transmission] Detailed installation guide for the TCI 386000 Trans-Scat Kit, enabling modifications to Turbo 2004R transmissions (1981-1991). Covers Street Plus and Heavy Duty applications with step-by-step procedures.