



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Safety Data Sheet (MSDS)

(According to GB/T 16483 and GB/T 17519; Adapts to GHS, IMDG, IATA Standards)

SECTION 1: Identification

1.1 Product Identifiers

- Product Name:1-Methoxy-2-propanol
- Product Number:MP-20260219
- Brand:SIGALD
- CAS-No.:107-98-2
- Synonyms:Propylene glycol methyl ether; PGME

1.2 Details of the supplier of the safety data sheet

- Company : NEWAY SINOPHC TECH. LIMITED
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- Telephone : +86-021-50350029
- Fax : +86-021-50350029

1.3 Emergency telephone

Emergency Phone # : +86-021-50350029
(CHEMTREC)

1.4 Uses

- Identified Uses:Solvent (coatings, inks, cleaners), chemical synthesis, cosmetics, electronics cleaning.
- Uses Advised Against:Direct oral consumption; use near open flames without protection.

SECTION 2: Hazards Identification

2.1 GHS Classification:Flammable liquid (Category 3); Acute toxicity (oral, Category 4); Skin irritation (Category 2); Eye irritation (Category 2A); Aquatic toxicity (Category 2)2.2 GHS Label Elements

- Hazard Pictogram:GHS07 (Exclamation mark), GHS08 (Health hazard), GHS09 (Environment)
- Signal Word:Warning
- Hazard Statements:H226 (Flammable liquid and vapor), H302 (Harmful if swallowed), H315 (Causes skin irritation), H319 (Causes serious eye irritation), H411 (Toxic to aquatic life with long-lasting effects)
- Precautionary Statements:P210 (Keep away from heat/sparks/open flames), P264 (Wash hands thoroughly after handling), P280 (Wear protective gloves/eye protection), P305+P351+P338 (If in eyes: Rinse cautiously with water)

SECTION 3: Composition

- Substance:Pure Substance
- Formula:C₄H₁₀ O₂
- Molecular Weight:90.12 g/mol
- Concentration:≥ 99.0% (C₄H₁₀ O₂)



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SECTION 4: First Aid Measures

- Inhaled:Move to fresh air. Consult a doctor if symptoms persist.
- Skin Contact:Rinse skin with running water for 10 minutes; remove contaminated clothing.
- Eye Contact:Rinse with plenty of water for 10-15 minutes. Consult a doctor if irritation remains.
- Swallowed:Rinse mouth with water; do not induce vomiting. Call a poison center/doctor.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media:Water spray, foam, CO₂, dry powder.
- Special Hazards:Flammable (flash point 39°C); combustion releases toxic fumes.
- Firefighter Protection:Wear standard fire-fighting gear and breathing apparatus.

SECTION 6: Accidental Release Measures

- Personal Precautions:Wear gloves, eye protection, respiratory protection (vapor exposure).
- Cleanup Methods:Small spill: absorb with inert materials; large spill: contain and transfer to sealed containers.

SECTION 7: Handling and Storage

- Handling:Operate in well-ventilated area; avoid sparks, heat, open flames.
- Storage Conditions:Cool, well-ventilated warehouse ($\leq 30^{\circ}\text{C}$); keep sealed; away from oxidizing agents.
- Shelf Life:24 months (unopened).

SECTION 8: Exposure Controls/Personal Protection

- PPE:Nitrile gloves, safety goggles, respirator (vapor exposure).
- Engineering Controls:Good ventilation, local exhaust system.

SECTION 9: Physical and Chemical Properties

- Physical State:Liquid
- Color:Colorless
- Odor:Mild ether-like odor
- Boiling Point:120-122°C
- Melting Point:-97°C
- Flash Point:39°C (Closed Cup)
- Solubility:Fully miscible with water, alcohols, ethers, hydrocarbons
- Density (25°C):0.915-0.920 g/cm³
- Viscosity (25°C):1.7 mPa·s

SECTION 10: Stability and Reactivity

- Stable under normal storage. Incompatible with strong oxidizing agents, acids.

SECTION 11: Toxicological Information

- Oral LD₅₀ (Rat):4000 mg/kg; Skin/Eye Irritation:Mild to moderate.

SECTION 12: Ecological Information

- Toxic to aquatic life; not biodegradable.

SECTION 13: Disposal Considerations



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- Dispose via licensed waste facilities; incinerate with scrubbing systems.

SECTION 14: Transport Information

- UN Number:UN1294
- Transport Hazard Class:3 (Flammable liquids)
- Packaging Group:III

SECTION 15: Regulatory Information

- Complies with GHS, REACH, TSCA.

SECTION 16: Other Information

- Revision Date:19 FEB 2026

