



SAFETY DATA SHEET

PM SOLVENT

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name:	PM SOLVENT
Recommended use:	Chemical for industry
Manufacturer/Supplier:	MODERN CHEMICAL CO.,LTD. 82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63, Klong Tan Nuea, Watthana, Bangkok 10110
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2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

- 1.) Highly flammable liquid and vapour.
- 2.) Causes skin irritation.
- 3.) May be fatal if swallowed and enters airways.
- 4.) May cause drowsiness or dizziness.
- 5.) Toxic to aquatic life with long lasting effects.
- 6.) May damage the unborn child. Suspected of damaging fertility.

Precautionary statement(s)

- 1.) Keep away from heat/sparks/open flames/hot surfaces. - No smoking.



- 2.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 3.) Avoid release to the environment.
- 4.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.
- 5.) IF IN EYES: Rinse cautiously with water for 15 minutes.
- 6.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Propyleneglycol monomethyl ether ,Propylene glycol methyl ether, 1-Methoxy-2-propanol

Ingredients	% (w/w)	CAS NO.
PM SOLVENT	100	107-98-2

4. FIRST AID MEASURES

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
- Skin contact:** Wash off with soap and plenty of water. Consult a physician.
- Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion:** **Do NOT induce vomiting.** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

No data available

Specific hazards arising from Chemicals:

Carbon oxides

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. 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.

Methods and Material for Containment and Clean Up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for Safe Storage & Unsuitable Materials:

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. Air sensitive. Forms explosive peroxides on prolonged storage May form peroxides on contact with air.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual Protection Measures

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air



respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

Eye protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures:

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

Form, Color and Odor : liquid, colourless characteristic	Evaporation rate : 0.62 (nBuAc=1)
Melting Point : -95°C	Specific gravity : 0.914-0.923 g/cm ³ at 25 °C
pH : N/A	Solubility in water : Soluble
Boiling point : 115-130 °C	Viscosity : 20 mPa.sec at 20 °C
Vapour pressure : 10.9 mmHg at 25 °C	Vapour density : 3.12 g/l
Lower explosive limits: 1.5 %Vol	Upper explosive limits: 13.7 %Vol
Auto-ignition temperature: 287°C	Flash Point: 32°C
Odour threshold: N/A	Flammability (solid, gas): N/A
Decomposition temperature: N/A	Solubility in other solvents: N/A
n-octanol/water partition coefficient (log P_{ow}): N/A	

10. STABILITY AND REACTIVITY

Chemical stability: No data available

Reactions: No data available

Possibility of Hazardous Reactions: No data available

Conditions to avoid: Heat, flames and sparks.



Materials to avoid: Strong oxidizing agents

Hazardous decomposition products:Other decomposition products - No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 Oral - mouse - 5660 mg/kg

LC50 Inhalation - rat - 5 h - 10000 ppm

LD50 Dermal - rabbit - 13.000 mg/kg

Sensitization:

May be harmful if inhaled. May cause respiratory tract irritation.

May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. Causes eye irritation.

Chronic toxicity:

No data available

Further toxicological information: No data available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates:No data available

Toxicity to algae No data available

Toxicity to bacteria No data available

Biodegradability Remarks: No data available

Bioaccumulative potential: Does not bioaccumulate.

Mobility: No data available

Affected in any other way: No data available

13. DISPOSAL CONSIDERATIONS

Material Disposal:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Container Disposal:

Dispose of as unused product.



14. TRANSPORT INFORMATION

ADR/RID

UN-No: 3092

Class: 3

Packing group: III

Proper shipping name: 1-METHOXY-2-PROPANOL

IMDG

UN-No: 3092

Class: 3

Packing group: III

EMS-No: F-E S-D

Marine pollutant: No

Proper shipping name: 1-METHOXY-2-PROPANOL

IATA

UN-No: 3092

Class: 3

Packing group: III

Proper shipping name: 1-Methoxy-2-propanol

15. REGULATORY INFORMATION

GHS - Labelling:

Hazard statement(s)

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Hazard symbol(s)

none

R-phrases(s)

R10 Flammable.

R67 Vapours may cause drowsiness and dizziness.

S-phrases(s)

None

16. OTHER INFORMATION

Modern Chemical Co.,Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals



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