



SAFETY DATA SHEET

DPM

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

Product name: DPM
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
Telephone No: 0-2715-0897-9, 0-2392-3410-3
Fax No: 0-2715-0908-9, 0-2391-1571-2
Emergency Telephone No: 0-2715-0897-9, 0-2392-3410-3

2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

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

Precautionary statement(s)

- 1.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 2.) Avoid release to the environment.
- 3.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.



4.) IF IN EYES: Rinse cautiously with water for 15 minutes.

5.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Dipropylene Glycol Methyl Ether; DPGME

Ingredients	% (w/w)	CAS NO.
DPM	100	34590-94-8

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.

Skin contact: Wash off with soap and plenty of water.

Eye contact: Flush eyes with water as a precaution.

Ingestion: **Do NOT induce vomiting.** Never give anything by mouth to an unconscious person. Rinse mouth with water.

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:

Smoke, Fume, Incomplete combustion products, Oxides of carbon

Special protective equipment for fire-fighters:

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid breathing vapors, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.



7. HANDLING AND STORAGE

Precautions for safe handling & Product Transfer:

Normal measures for preventive fire protection.

Conditions for safe storage& Unsuitable Materials:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available

Appropriate Engineering Controls: General industrial hygiene practice.

Individual Protection Measures

Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, colourless, characteristic	Evaporation rate : 0.02(n- butyl acetate=1)
Melting Point: N/A	Specific gravity : 0.949-0.960 g/cm ³ at 30 °C
pH : N/A	Solubility in water : Soluble
Boiling point: 180-195 °C	Viscosity : N/A
Vapour pressure : 0.4 kPa (0.75 mmHg) at 20 °C	Vapour density : N/A



Lower explosive limits: N/A	Upper explosive limits: N/A
Auto-ignition temperature: N/A	Flash Point: 75 °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: Stable

Reactions: No data available

Possibility of hazardous reactions: No data available

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

Materials to avoid: Strong oxidisers

Hazardous decomposition products: Material does not decompose at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 (Oral,rat) : 5220 mg/kg

Sensitization: No data available

Sign chronic toxicity: No data available

Further toxicological information: No data available

12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: Not expected to be harmful to aquatic organisms.

Toxicity to daphnia and other aquatic invertebrates: Not expected to demonstrate chronic toxicity to aquatic organisms.

Toxicity to algae No data available

Toxicity to bacteria No data available

Biodegradability Remarks: Expected to be readily biodegradable.

Bioaccumulative Potential: No data available

Mobility: No data available

Affected in any other way: No data available



13. DISPOSAL CONSIDERATIONS

- Material Disposal:** This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
- Container Disposal:** Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-No: 1993 Class : Combustible Liquid Packing group : III
Proper shipping group : Combustible liquid, n.o.s. (DIPROPYLENE GLYCOL METHYL ETHER)

IMDG

UN-No: 1993 Class : Combustible Liquid Packing group : III
Proper shipping group : Combustible liquid, n.o.s. (DIPROPYLENE GLYCOL METHYL ETHER)

IATA

UN-No: 1993 Class : Combustible Liquid Packing group : III
Proper shipping group : Combustible liquid, n.o.s. (DIPROPYLENE GLYCOL METHYL ETHER)

15. REGULATORY INFORMATION

GHS - Labelling:

Hazard statement(s)

No data available

Precautionary statement(s)

No data available

Hazard symbol(s)

No data available

R-phrase(s)

No data available

S-phrase(s)

No data available



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 receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

MODERN CHEMICAL CO., LTD. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MODERN CHEMICAL CO.,LTD. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.