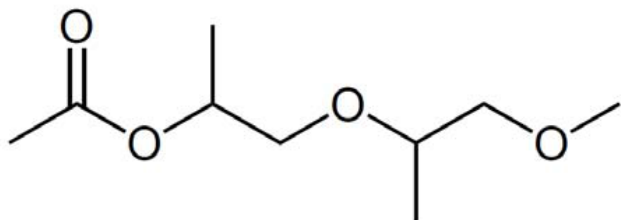


## Dipropylene Glycol Mono-Methyl Ether Acetate (DPMAC)



**Dipropylene Glycol Mono-Methyl Ether Acetate (DPMAC)** is a clear, colorless liquid organic compound with a sweet odor. DPMAC is used in an industrial setting as a solvent for coatings/paints and in silk screen inks. DPMAC is very efficient at dissolving resins used in paints, inks, lacquers, and other types of surface coatings.

### CAS number

88917-22-0

### Synonyms

1-(2-methoxy-1-propoxy)-1-propan-2-ol; 1-methyl-(1-propoxy)-2-propanol acetate; 1(or 2)-(2-methoxymethylethoxy)-propanol acetate; DPMA or DPGMEA

### Product code

40955

### Typical Physical Properties of DPMAC

Molecular Weight	190.2 g/mol
Empirical Formula	C <sub>9</sub> H <sub>18</sub> O <sub>4</sub>
Appearance	Colorless
Freezing Point	-25°C (-13°F)
Flash Point – Closed Cup	86°C (187°F)
Boiling Point @ 760mmHg	208.9°C (408°F)
Autoignition Temperature	285°C (545°F)
Density @ 20°C	0.979 kg/l 8.17 lb/gal
Vapor Pressure @ 20°C	0.08 mmHg
Evaporation Rate (nBuAc = 1)	0.015
Solubility @ 20°C	
(in Water)	16 wt%
(Water in)	3.5 wt%
Refractive Index @ 20°C	1.417
Viscosity @ 25°C	1.7 cP
Surface Tension @ 25°C	27.3 dynes/cm
Lower Flammability in Air	1.21% v/v
Upper Flammability in Air	5.35% v/v
Specific Heat @ 25°C	1.94 J/g/°C
Heat of Vaporization @ normal boiling point	241 J/g
Heat of Combustion @ 25°C	25.4 kJ/g

Note: The properties reported above are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

## Health and safety information

Under current U.S. OSHA's Hazardous Communication program DPMAC is classified as a combustible liquid. Keep the material away from heat sources, hot surfaces, open flames, and sparks. Use only in a well-ventilated area.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

## Storage and Handling

General industry practice is to store DPMAC in carbon steel vessels. Storage in properly lined steel or stainless steel to avoid slight discoloration from carbon steel is recommended. Product stored or delivered in unlined carbon steel vessels must be filtered due to technically unavoidable particles.

DPMAC should be stored under a nitrogen blanket when available. Avoid contact with air when storing for long periods of time. This product may absorb water if exposed to air.

DPMAC should be stored only in tightly closed, properly vented containers away from heat, sparks, open flame, or strong oxidizing agents. Use only non-sparking tools. Containers should be grounded before beginning transfer. Electrical equipment should conform to national electric code. Handle empty containers carefully. Flammable combustible residue remains after emptying.

Provided proper storage and handling precautions are taken, DPMAC manufactured and delivered by Monument Chemical is stable for at least 24 months from the date of manufacture. DPMAC that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf life studies. Product past the retest date should be evaluated to confirm that all

specifications are within their limits before use.

## Additional information

To learn more about Monument Chemical and the products and services we offer please visit our website at [www.monumentchemical.com](http://www.monumentchemical.com).

Effective Date: 12/02/2022

Revision: 5

## Disclaimers

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, email [SDS@monumentchemical.com](mailto:SDS@monumentchemical.com). Before using or handling this product, the SDS should be thoroughly reviewed.

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