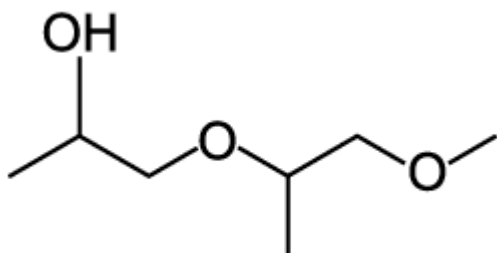


## Poly-Solv® DPM (Dipropylene Glycol Monomethyl Ether)



**Poly-Solv® DPM** is a clear, colorless liquid having a mild characteristic odor. The principal end uses of DPM are industrial solvent, chemical intermediate, printing, paints and coatings.

### CAS number

34590-94-8

### Synonyms

(2-Methoxymethylethoxy)propanol; Propanol, 1(or 2)-(2-methoxymethylethoxy)-;  
methoxypropoxypropanol; Oxybispropanol methyl ether

### Product code

400064

### Typical Physical Properties of DPM

|   |   |
|---|---|
| Molecular Weight                            | 148.2 g/mol                                   |
| Empirical Formula                           | C <sub>7</sub> H <sub>16</sub> O <sub>3</sub> |
| Appearance                                  | Colorless                                     |
| Freezing Point                              | -83°C (-117°F)                                |
| Flash Point – Closed Cup                    | 78°C (172°F)                                  |
| Boiling Point @ 760mmHg                     | 187°C (369°F)                                 |
| Autoignition Temperature                    | 207°C (405°F)                                 |
| Density @ 20°C                              | 0.954 kg/l<br>7.96 lb/gal                     |
| Vapor Pressure @ 25°C                       | 0.36 mmHg                                     |
| Evaporation Rate (nBuAc = 1)                | 0.03  |
| Solubility @ 20°C (in Water)                | Complete                                      |
| Refractive Index @ 20°C                     | 1.419   |
| Viscosity @ 20°C                            | 3.9 cP  |
| Specific Heat @ 25°C                        | 2.25 J/g/°C                                   |
| Surface Tension @ 20°C                      | 68.7 mN/cm                                    |
| Lower Flammability in Air                   | 1.1% v/v                                      |
| Upper Flammability in Air                   | 14% v/v                                       |
| Net Heat of Combustion 25°C                 | 27.2 kJ/g                                     |
| Heat of Vaporization @ normal boiling point | 267 J/g                                       |
| Hazen Solubility Parameters                 |   |
| Dispersion                                  | 15.5  |
| Polar                                       | 4.0   |
| Hydrogen Bonding                            | 11.5  |

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 Poly-Solv® DPM 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

Poly-Solv® DPM 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.

General industry practice is to store Poly-Solv® DPM in carbon steel vessels. Storage in properly lined steel or stainless steel to avoid slight discoloration from mild steel is recommended. Avoid contact with air when storing for long periods of time. This product may absorb water if exposed to air.

Provided proper storage and handling precautions are taken, Poly-Solv® DPM manufactured and delivered by Monument Chemical is stable for at least 12 months from the date of manufacture. Poly-Solv® DPM 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: 1/15/2018

Revision: 1

## 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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