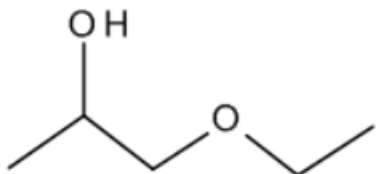


Poly-Solv® MPE (ethoxy propanol)



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

CAS number(s)

52125-53-8; 1569-02-4

Synonyms

1-ethoxypropan-2-ol / 2-propanol, 1-ethoxy- / 2-propylene glycol-1-ethyl ether / Alcohols, n.o.s. / alpha-propylene glycol 1-ethyl ether / ARCOSOLV PE / EP / ethoxypropanol / glycol ether PE / napsol PE 1 / PGEE / propasol solvent E / propylene glycol ethyl ether / propylene glycol monoethylic ether)

Product code

400321

Typical Physical Properties of MPE

Molecular Weight	104.15 g/mol
Empirical Formula	C ₅ H ₁₂ O ₂
Purity (%)	99+
Water (%)	0.1
Appearance	Colorless and sub free
Freezing Point	-100°C -148(°F)
Flash Point – Closed Cup	42°C (108°F)
Boiling Point @ 760mmHg	131°C (270°F)
Autoignition Temperature	255°C (491°F)
Density @ 25°C	0.896 kg/l 7.48 (lbs/gal)
Vapor Pressure @ 25°C	7.2 mm Hg
Evaporation Rate (nBuAc = 1)	0.49
Solubility @ 20°C (in Water)	Complete
Refractive Index @ 20°C	1.4058
Viscosity @ 20°C	3.9 cP
Heat of Vaporization @ normal boiling point	42.95 kJ/mol.

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® MPE is classified as a combustible liquid and reproductive hazard. 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® MPE 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® MPE 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® MPE manufactured and delivered by Monument Chemical is stable for at least 12 months from the date of manufacture. Poly-Solv® MPE 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.

Effective Date: 1/12/2022

Revision: 2

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. Before using or handling this product, the SDS should be thoroughly reviewed.

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