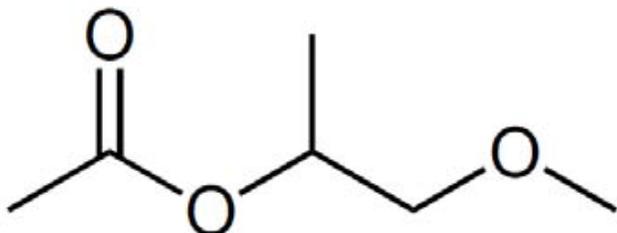


Propylene Glycol Mono Methyl Ether Acetate (PMAc)



Propylene Glycol Mono Methyl Ether Acetate (PMAc) is a clear, colorless liquid ester. PMAc is used in an industrial setting as a solvent for automotive paints and industrial coatings, as a solvent in the electronics industry and in silk screen inks. PMAc is found in household cleaners, paints, spray paints, lacquers, varnishes and pesticides. PMAc is very efficient at dissolving resins used in paints, inks, lacquers, and other types of surface coatings.

CAS number

108-65-6

Synonyms

1-Methoxy-2-propyl acetate, PMA, PGMEA, PM Acetate

Product code

40789

Typical Physical Properties of PMAc

Molecular Weight	132.16 g/mol
Empirical Formula	C ₆ H ₁₂ O ₃
Appearance	Colorless Liquid
Freezing Point	-66°C (-87°F)
Flash Point – Closed Cup	42°C (108°F)
Boiling Point @ 760mmHg	146°C (295°F)
Autoignition Temperature	333°C
Density @ 20°C	0.967 kg/l 8.07 lb/gal
Vapor Pressure @ 20°C	2.8 mmHg
Evaporation Rate (nBuAc = 1)	0.33
Solubility @ 20°C (in Water)	16%
(Water in)	3%
Refractive Index @ 25°C	1.40
Viscosity @ 25°C	0.8 cP
Surface Tension @ 25°C	26.9 dynes/cm
Lower Flammability in Air	1.5% v/v
Upper Flammability in Air	7.0% v/v
Specific Heat @ 25°C	1.85 J/g/°C
Heat of Vaporization @ normal boiling point	296 J/g
Heat of Combustion @ 25°C	23.8 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 PMAc is classified as a flammable liquid. Keep the material away from heat sources, hot surfaces, open flames, and sparks.

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 PMAc 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.

PMAc 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.

PMAc 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, PMAc manufactured and delivered by Monument Chemical is stable for at least 12 months from the date of manufacture. PMAc 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: 10/29/2021

Revision: 3

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.

Monument Chemical believes the information in this specific product Technical Data Sheet (TDS) is accurate, but makes no representations as to the sufficiency or completeness of the product or information in this TDS and makes no commitment to correct or bring up-to-date any such information and makes no commitment related to the use of the product in combination with other chemicals or as part of any other chemical processes. **MONUMENT CHEMICAL MAKES NO WARRANTY TO THE USER OR RECIPIENT OF ANY PRODUCT FROM MONUMENT CHEMICAL, OR WITH RESPECT TO THE INFORMATION PROVIDED WITH THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE, OR OF NON-INFRINGEMENT OF THIRD PARTY RIGHTS OR PATENTS, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING OR PERFORMANCE, USAGE OF TRADE OR OTHERWISE.**

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