

Glycol Monomethyl Ether

Ethylene Glycol Monomethyl Ether (EM):

CAS: 109-86-4 Chemical Formula: $\text{CH}_3\text{OCH}_2\text{CH}_2\text{OH}$

Diethylene Glycol Monomethyl Ether (DM):

CAS: 111-77-3 Chemical Formula: $\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$

Polyethylene Glycol Monomethyl Ether (TM):

Chemical Formula: $\text{CH}_3\text{O}(\text{C}_2\text{H}_4\text{O})_n\text{H}$ $n=3\sim 4$

x416 20 y117
8120

Technical Index

Item	EM	DM	TM
Appearance	Colorless and transparent liquid	Colorless and transparent liquid	Colorless or light yellow and transparent liquid
Purity $\geq\%$ (GC)	99.5	98.0	/
Water Content $\leq\%$ (KF)	0.2	0.1	0.1
Distillation Range(760mmHg) $^{\circ}\text{C}$	123.5~127.0	191.0~198.0	Initial Boiling Point ≥ 230.0
Specific Gravity $\%$ (d420)	0.9646 \pm 0.005	1.0210 \pm 0.005	1.0494 \pm 0.005
Color (Pt-Co) \leq	10	15	120

Application

EM is mainly used as solvent for grease, nitrocellulose, synthetic resin, alcoholate dyestuff and vinylcellulose. In coating industry, it can be used as varnish dryer and coating diluent. In printing and dyeing industry, it can be used as osmosis reagent and leveling agent. It also can be used as additive in fuel industry and dyestuff in textile industry and as organic synthesis intermediate.

DM is mainly used as high-boiling point solvent for printing ink, dyestuff, resin, cellulose and painting. It makes paint easily flow, cover and flow flat when put it into paint. It also can be used as extraction of hydrocarbon and the ester derivative intermediate in synthetic industry. And it can be used as chemical reagent in analysis chemistry.

TM can be used as braking liquid.

Package: 200KG PE Drum

Storage and Transportation:

Store in cool, dry well-ventilated location, for EM transport as hazard chemicals, while the DM and TM transport as common chemicals.