

Novichem Co.

Your Chemical Partner

P.O. Box: 15886-13941, Tehran / IR

Phone : +98-21-88329799 (Hunting)

Fax : +98-21-88329799

E-mail : info@novichem.co

Web : www.novichem.co

TRIETHYLENE GLYCOL CAS #: 112-27-6

DESCRIPTION

Triethylene Glycol (TEG) is a colorless, viscous liquid with a slight odor. It is non-flammable, mildly toxic, and considered non-hazardous. It has a high flash point, emits no toxic vapors, and is not absorbed through the skin.

It is widely used as a solvent and a plasticizer for vinyl polymers as well as in the manufacture of air sanitizer and other consumer products.

TECHNICAL SPECIFICATIONS

Characteristics	Method	Unit	Value
Purity	ASTM E -202	WT. %	97 MIN.
MEG Content	ASTM E -202	WT. %	2 MAX.
TEG Content (T.TEG)	ASTM E -202	WT. %	1 MAX.
Water	ASTM E -203	WT. %	0.05 MAX.
Colour	ASTM D -1209	Pt-Co	25 MAX.
Acidity as Acetic acid	ASTM D -1613	WT. %	0.01 MAX.
Ash	DC-254/A	PPM	50 MAX.
Specific gravity (20/20 °C)	ASTM D- 891	-	1.124 - 1.126
Distillation @ 760 MM-Hg			
5-95 VOL % Range	ASTM D-1078	°C	280-295

APPLICATIONS

Triethylene glycol (TEG) is most commonly used for natural gas dehydration to strip the water out of the gas. TEG is widely used in applications which require higher boiling point, higher molecular weight with low volatility such as plasticizer, unsaturated polyester resin, emulsifiers, lubricants, heat transfer fluids and solvent for equipment cleaning, printing ink, chemical intermediate, and chemical additive.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.