



Unidad Industrial Coatzacoalcos

## SALES SPECIFICATION

EVC-042

### DIETHYLENE GLYCOL

12/08/20

1 of 2

Revision

12

**FORMULA:**  $O(CH_2-CH_2-OH)_2$

**MOL. WT.:** 106.12

### DESCRIPTION

Colorless and virtually odorless hygroscopic liquid.

### APPLICATIONS

Raw material in the production of plasticizers, polyester resins, polyethylene glycols and polyurethane systems. Humectant, textile lubricant and coupling agent. Solvent in printing inks, textile dyeing and printing. Constituent of hydraulic and antifreezing fluids; plastizier for paper, cork, and synthetic sponges. Raw material in the production of esters, used as emulsifiers, demulsifiers and lubricants. Selective solvent for aromatics in petroleum refining and dehydrating agent for natural gas purification.

### SPECIFICATIONS/UNITS

### TEST METHOD

Appearance	Clear liquid		MP-000
Odor <sup>(1)</sup>	Characteristic		MP-001
Purity, wt %	99.0	Min.	MP-100
Monoethyleneg glycol, wt %	0.2	Max.	MP-100
Triethylene glycol, wt %	0.5	Max.	MP-100
Water, % peso	0.15	Max.	MP-002
Color, Pt-Co	15	Max.	MP-001
Ashes, wt %	0.005	Max.	MP-104
Acidity as Acetic Acid, wt %	0.003	Max.	MP-108
Iron, ppm (mg/kg)	0.5	Max.	MP-105
Specific Gravity, 20/20 °C	1.1170	Min.	MP-004
	1.1200	Max.	
Specific Gravity, 25/25 °C	1.1147	Min.	MP-004
	1.1177	Max.	



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Distillation Range, °C @ 101.3 kPa  
(760 mm Hg) <sup>(2)</sup> MP-005

I.B.P. <sup>(3)</sup> 242.0 Min.

D.P. 249.0 Max.

Refractive Index, 20°C 1.4460 Min. MP-110

1.4500 Max.

Acid Number, mg KOH/g 0.05 Max. MP-108

#### Notes:

(1) Performed at room temperature.

(2) Correct for deviation of the barometric pressure from normal by adding algebraically the correction, calculated as follows: Correction = 0.050 (760-P)  
P = Barometric pressure in mm Hg

(3) I.B.P.: initial boiling point D.P.: Dry point

#### AVAILABILITY

In bulk or in drums containing 230 kg net wt. (507.2 lb net) or 1 t containers.

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