



Unidad Industrial Coatzacoalcos

SALES SPECIFICATION

EVCI-208

DIETHYLENE GLYCOL

07/09/24

1 of 2

Revision

13

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-207
Odor ⁽¹⁾	Characteristic		MP-216
Purity, wt %	99.0	Min.	MP-246
Monoethyleneg glycol, wt %	0.2	Max.	MP-246
Triethylene glycol, wt %	0.5	Max.	MP-246
Water, % peso	0.15	Max.	MP-220
Color, Pt-Co	15	Max.	MP-216
Ashes, wt %	0.005	Max.	MP-222
Acidity as Acetic Acid, wt %	0.003	Max.	MP-203
Iron, ppm (mg/kg)	0.5	Max.	MP-225
Specific Gravity, 20/20 °C	1.1170	Min.	MP-241
	1.1200	Max.	
Specific Gravity, 25/25 °C	1.1147	Min.	MP-241
	1.1177	Max.	



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Distillation Range, °C @ 101.3 kPa (760 mm Hg) ⁽²⁾ MP-237

I.B.P. ⁽³⁾ 242.0 Min.

D.P. 249.0 Max.

Refractive Index, 20°C 1.4460 Min. MP-236

1.4500 Max.

Acid Number, mg KOH/g 0.05 Max. MP-203

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 plastic drums containing 230 kg net wt. (507.2 lb net.) or 1 t containers.

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