

PRODUCT DATA SHEET

Monoethylene Glycol Polyester Grade

Produced using technology licensed by The Dow Chemical Company.

CHEMICAL DESCRIPTION:

Name : Monoethylene Glycol
 CAS number : 107-21-1
 Formula : C₂H₆O₂

Monoethylene glycol (MEG) is a colorless, practically odorless, low-volatility, low-viscosity, hygroscopic liquid. It is completely miscible with water and in many organic liquids.

APPLICATIONS:

- Chemical intermediates in PET resin production
- Chemical intermediates for textile fibers
- Hydrate inhibitor for natural gas processing
- Base fluid for coolant production
- Octane booster agent
- Humectant in printing ink

TYPICAL PROPERTIES:

Physical Property*	Units	Typical Value
Physical appearance (25°C)	-	Colourless liquid
Molecular Weight	g/mol	62
MEG content	wt%, min	99.9
DEG content	wt%, max	0.05
Water	wt%, max	0.05
Color	PtCo, max	5
Boiling Point @ 760 mm Hg	°C	196-205
Specific Gravity @ 20/20°C	-	1.1151 – 1.1156
Refractive Index @ 20°C	nD	~1.43
Vapor Pressure @ 20°C	mmHg	0.06-0.08
Viscosity, dynamic @ 20°C	cP	~21
Surface tension @ 25°C	dynes/cm	48
Solubility in Water @ 20°C	wt%	100
Electrical Conductivity @ 20°C	micromhos/cm	1.07
Iron	ppm, max	0.1
Chlorides	ppm, max	0.5
UV Transmittance @ 220nm	%T, min	70
UV Transmittance @ 275nm	%T, min	90
UV Transmittance @ 350nm	%T, min	98

*These properties are typical but do not constitute specifications.

FOR MORE INFORMATION

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MS ISO 9001:2000 REG. NO. AR4.088
 (DERIVATIVES PLANT)

MS ISO 14001 CERT. NO. 00081001

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