



SILVER FERN
CHEMICAL

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Typical Specification

Ethylene Glycol (MEG)

CAS # 107-21-1

Product Synonym: Monoethylene Glycol

Specifications	Value
Appearance	Essentially free of suspended matter
Monoethylene glycol, wt. %	99.9 min.
Diethylene glycol, wt. %	0.05 max.
Color (APHA)	5 max.
Acidity (as acetic acid), wt. %	0.003 max.
Ash, wt. %	0.003 max
Chlorides (as Cl), ppm	0.1 max
Iron, ppm max.	0.07
UV Transmittance, 1 cm cell	
at 350 mu (% T min.)	98
at 275 mu (% T min.)	93
at 220 mu (% T min.)	70
Water, wt. % max.	0.05

Typical Properties	Typical Value
Molecular weight	62.07
Boiling point at 760 mm Hg, °C (°F)	197.6 (387.1)
Freezing point, °C (°F)	- 13 (8.6)
Flash point (PMCC), °C (°F)	118 (244)
Specific gravity at 20/20°C	1.1154
Specific heat at 20°C, cal/g/°C	0.56
Absolute viscosity	
at 4°C, cP	45.0
at 20°C, cP	20.9
at 60°C, cP	5.2
Refractive index at 20°C	1.4316
Latent heat of vaporization at 760 mm Hg,	
joules/g	800
cal/g	191
BTU/lb	364
Coefficient of expansion per °C at 20°C	0.00062
Surface tension at 20°C, dynes/cm ²	48.4
Thermal conductivity at 20°C	
watt/m°C	0.289
cal cm/sec cm ² °C	0.00069
Vapor pressure at 20°C, mm Hg	0.06
Electrical conductivity at 20°C, mho/cm	3 x 10 ⁻⁷
Weight/gal. (US) in lbs. At 20°C	9.28

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