



Monoethylene glycol - MEG

HO - CH₂ - CH₂ - OH

Molecular Weight	62.07
CAS Reg. No.	107-21-1
EINECS No.	203-473-3

Synonyms

Monoethylene glycol
Ethene-1,2-diol
Ethylene glycol

Specification

Appearance	clear, colorless liquid
Assay	min. 99.4%
Water	max. 0.1%
Acid Value	max. 0.1 mg KOH/g
Diethylene glycol	max. 0.3%
Color	max. 10 Hazen

Test methods are available upon request.

Typical Properties

Melting Point	-13°C
Ash Content	10 ppm
Distillation Range	195-199°C (min. 95 vol %)
Density	1113 kg/m ³ at 20°C
Viscosity	20 mPa·s at 20°C
Evaporation Number	2600
Flash Point	117°C (<i>Pensky Martens Closed Cup</i>)
Iron Content	max. 0.2 ppm
Latent heat of evaporation	191 cal/g at b.p.
Lower explosion limit in mixture with air	3.2%
Specific Heat	0.57 cal/g/°C at 20°C
Vapor Pressure	0.06 mm Hg at 20°C
Chlorides	max. 1 ppm (<i>as NaCl</i>)

Solubility

water	miscible, extremely hygroscopic
alcohols	miscible
aldehydes	miscible
ketones	miscible
esters	miscible
oil	immiscible
fat	immiscible
hydrocarbons	immiscible

Applications

Antifreeze hydraulic liquid, humectant. Intermediate for the production of polyester resins, softeners, dynamite viscose film, and electrolytical condensers.

Packaging

Delivered in stainless steel road tankers or stainless steel ISO containers

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