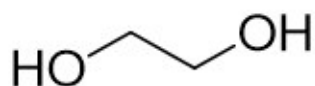


# Monoethyleneglycol (MEG)

Ethane-1,2-diol



Monoethylene glycol is a colorless hygroscopic liquid with low volatility. MEG is used as an intermediate in the production of solvents and resins, or a building block for antifreeze fluids or PET to produce fibers.

CAS number  
107-21-1

EINECS/ELINCS No.  
203-473-3

Molecular weight  
62.07

Molecular formula  
C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>

## Specifications

Appearance (MOA 200)	Clear liquid
Assay (MOA 564)	≥99.4 wt%
Acid value (MOA 225)	≤ 0.1 mg KOH/g
Diethylene glycol (MOA 665)	≤ 0.3 wt%
Color (MOA 201)	≤ 15 Hazen
Water (MOA 305)	≤ 0.1 wt%

## Characteristics

Form	Viscous liquid
Color	Colorless
Odor	Mild
Water solubility	Completely
Solubility in other solvents	Acetone;Ethanol
pH	9
Melting point/freezing point, 1013 hPa	-13 °C
Boiling point/boiling range, 1013 hPa	197.4 °C
Flash point, 1013 hPa, closed cup	111 °C
Ignition temperature	410 °C
Vapor pressure, 25°C	0.123 hPa
Relative vapor density, air = 1.0	2.1
Density, 20°C	1113 kg/m <sup>3</sup>
Relative density, 20°C	1.11
Partition coefficient, N-octanol/water, 20°C, log Pow	-1.36
Dynamic viscosity, 25°C	16.1 mPa.s

### Notes:

Methods of Analysis (MOA) are available upon request. In case of dispute, the listed Method of Analysis will be used as reference methods.

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The Nouryon logo features a stylized orange 'N' followed by the word 'ouryon' in a lowercase, orange, sans-serif font.