



*Kimya Resin Arak Chemical Industrial Company*  
*Issued Sales Specification*

**Name of Product**  
Mono Ethylene Glycol

**Specification of Mono Ethylene Glycol**

**Revision Date**  
13-Dec-2022

PROPERTIES	UNIT	METHOD	RESULT
Purity	Wt%	ASTM D3545	Min 99.7
Density at 20°C	g/cm <sup>3</sup>	ASTM D1298	1.1151-1.1124
Water Content	Wt%	ASTM E203	Max 0.3
Acidity as Acetic Acid	ppm Wt	INSO 1784	Max 10
Color	–	Pt – Co	Max 10
Ash	gr/100ml	ASTM D1119	Max 0.005
Boiling Point	°C	ASTMD1120	~196
Appearance	–	Visual Inspection	Clear & Bright

**Note:**

**This product is used for all virgin MEG applications except for artificial fibers.**

**APPLICATION:**

**Ethylene glycol**, also called ethane-1,2-diol, the simplest member of the glycol family of organic compounds. A 1:1 solution of ethylene glycol and water boils at 109 °C (228.2°F) and freezes at –37 °C (–34.6 °F), serving as an excellent coolant in automotive radiators. In addition to its use in antifreeze, ethylene glycol is used as an ingredient in hydraulic fluids, printing inks, and paint solvents. It is also used as a reagent in making polyesters, explosives, alkyd resins, and synthetic waxes. Ethylene glycol is highly poisonous; animals or humans that drink the solution become very ill and may die.

**Safety, Handling and Storage:**

Full information of the Safety, Handling and Storage of mono ethylene glycol is available on its MSDS.

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