



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 99.8
Density at 20°C	g/cm ³	ASTM D1298	1.1151-1.1156
Water Content	Wt%	ASTM E203	Max 0.08
Acidity as Acetic Acid	ppm Wt	INSO 1784	Max 10
Color	–	Pt – Co	Max 5
Aldehyde as Acetaldehyde	ppm Wt	ASTM E2313-03	Max 10
Ash	gr/100ml	ASTM D1119	Max 0.005
Distillation Range	°C	ASTM D86	Min 196
IBP			Max 199
DP			Max 1
5-95 Percent vol.	°C		Max 1
Chlorides as Chlorine iron	ppm Wt	ASTME2469	Max 0.1
UV Transmittance	T%	ASTM E2193-02	Min 70
220 nm			Min 95
275 nm			Min 99
350 nm	T%	ASTM E2193-02	Min 99
Appearance	–	Visual Inspection	Clear & Bright

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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