

Monoethylene glycol (KEMEG)



KIMYAGARAN
Emrooz
Chemical Industries Co.

Technical Data Sheet



Monoethylene Glycol (KEMEG)

Chemical Name:

Monoethylene Glycol

Trade Name:

KEMEG

Introduction:

Monoethylene glycol (MEG) is an odorless, colorless, clear and viscose liquid with a sweet taste, which is produced from the reaction between water and ethylene oxide. It is miscible with water, alcohols, and many organic compounds, and has the chemical formula of $C_2H_6O_2$.

General Applications:

MEG has numerous applications for manufacture of various products including automotive antifreeze and coolants, resins, deicing fluids, heat transfer fluids, leather, paper, textile fibers, water-based adhesives, sturdy polyethylene terephthalate drink and food containers, latex paints and asphalt emulsions and electrolytic capacitors.

Safety, Handling & Storage:

Full information on the safety, handling and storage of KEMEG is available in the corresponding Material Safety Data Sheet ([MSDS](#)).



Monoethylene Glycol

Trade Name: **KEMEG**

Specification

No.	Test	Standard	Result
1	Appearance	Clear Liquid	Clear liquid
2	Purity	Min. 99.0% (wt)	99.85% (wt)
3	Diethylene Glycol	Max. 0.5% (wt)	0.1% (wt)
4	Other Glycols	Max. 0.1% (wt)	0.05% (wt)
5	Refractive Index @ 25°C	1.430-1.432	1.431
6	Specific gravity @ 20 °C	1.151-1.1156	1.1155
7	Color	Max. 15[Pt-Co]	7.0[Pt-Co]
8	Acidity [as acetic acid]	Max. 0.005% (wt)	0.003% (wt)
9	Distillation range	193-20420 °C	195-19820 °C
10	Ash	Max. 0.0045% (wt)	0.002% (wt)
11	Water	Max. 0.3% (wt)	0.06% (wt)

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