

About MONOETHYLENE GLYCOL

- **High Purity:**

Suitable for various industrial applications.

- **Wide Applications:**

Used in polyester, PET, antifreeze, and chemical production.

- **Reliable Performance:**

Excellent water miscibility and consistent quality.

- **Industrial Use:**

Essential for textiles, plastic bottles, resins, and cooling fluids.

- **Global Supply:**

Supplied by Kane Ara Sepahan for domestic and international markets.

PRODUCT OVERVIEW

- Chemical Name: Monoethylene Glycol
- Abbreviation: MEG
- Chemical Formula: $C_2H_6O_2$
- CAS No: 1-21-107
- Appearance: Clear, Colourless Liquid
- Purity: Min. %99.8
- Solubility: Completely Miscible with Water
- Applications: Polyester, PET, Antifreeze, Coolants & Industrial Processing

KANE ARA SEPAHAN

Producer of Minerals & Supplier of Chemicals

Reliable Supply | Consistent Quality | Global Reach

🌐 www.kaneara.com

✉ Info@kaneara.com

☎ +98 900 9999 563



Consistent Quality, Lasting Partnerships

MEG

Mono Ethylene Glycol

industrial chemicals for a sustainable tomorrow.
high-purity MEG for industrial applications



**KANEARA
SEPAHAN**

INDUSTRIAL APPLICATIONS

- **Versatile Chemical:**
Suitable for a wide range of industrial applications.
- **Multiple Industries:**
Used in petrochemicals, textiles, oil & gas, and pharmaceuticals.
- **Industrial Processes:**
Plays an essential role in various manufacturing operations.

01

Polyester & PET Production

MEG is a key raw material in the production of polyester fibres, PET resins, plastic bottles, and polyester-based products.



02

Synthetic Fibres & Textiles

Widely used in the manufacturing of polyester fibres, industrial fabrics, and textile materials.



03

Polyester Resins copy

An essential component in the production of polyester resins used in various industrial applications.



04

Antifreeze & Coolants

Used in antifreeze and coolant formulations to lower freezing points and facilitate heat transfer in cooling systems.



05

Oil & Gas Industry

Applied in selected oil and gas operations to help prevent hydrate formation and freezing-related problems in pipelines and equipment.



06

Pharma & Chemicals

Used as a chemical intermediate and solvent in selected chemical synthesis and industrial processes.



07

Paints & Coatings

Used in selected formulations to influence resin solubility, viscosity, and processing properties.



TECHNICAL OVERVIEW

- **Purity:**
High-quality MEG with controlled purity levels.
- **Quality Control:**
Precise chemical composition and physical properties.
- **Consistent Performance:**
Meets technical requirements for various industrial applications.

Specification	Unit	Value
Appearance	-	Colourless, transparent
Colour (Pt/Co)	max.	5
Purity	wt.% min.	99.8
DEG	wt.% max.	0.08
Water	wt.% max.	0.08
Aldehydes (as Formaldehyde)	mg/kg max.	8
Acidity (as Acetic Acid)	mg/kg max.	10
Iron (as Fe)	mg/kg max.	0.1
Inorganic Chlorides (as Cl)	mg/kg max.	0.05
Ash	mg/kg max.	50
Specific Gravity, 20/20 °C	-	1.1151 - 1.1156
UV Transmittance at 220 nm	% min	80
UV Transmittance at 275 nm	% min	95
UV Transmittance at 350 nm	% min	99
Boiling Range at 5 % vol. (0.1013 Mpa)	°C min	196
Boiling Range at 95 % vol. (0.1013 Mpa)	°C max	199