

## 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.

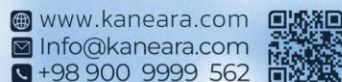
- **Global Supply:**

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



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**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                     |