

Technical Data Sheet

Product Name: Monoethylene Glycol (MEG)

Chemical Formula: C₂H₆O₂

CAS Number: 107-21-1

Description

Monoethylene Glycol (MEG) is a clear, transparent, and odorless liquid obtained from the reaction of ethylene oxide and water. It is completely miscible with water in any proportion.

Technical Specifications

No.	Property	Value	Units	Test Method
1	Purity	99.8 Min.	wt. %	ASTM E-202
2	Diethylene Glycol	0.08 Max.	wt. %	ASTM E-202
3	Water Content	0.08 Max.	wt. %	ASTM E-203
4	Acidity as Acetic Acid	10 Max.	wt. ppm	ASTM D-1613
5	Ash	0.005 Max.	g/100 ml	DC-254 A
6	Chlorides	0.1 Max.	wt. ppm	EO-635
7	Iron	0.1 Max.	wt. ppm	ASTM E-202
8	Aldehyde as Acetaldehyde	10 Max.	wt. ppm	DC-163 C
9	Color (Pt-Co)	5 Max.	Pt-Co	ASTM D-1209
10	Specific Gravity (20/20 °C)	1.1151-1.1156	-	ASTM D-891

Applications

- Polyester production
- Resins
- Wetting and plasticizing agents
- Coolant additives

Storage and Handling

Store in a cool, dry, and well-ventilated area away from incompatible substances. Ensure containers are tightly sealed when not in use.

Safety Information

For detailed safety and handling instructions, please refer to the Safety Data Sheet (SDS).

Note: The information provided in this Technical Data Sheet is based on current knowledge and experience. It is intended to describe the product in terms of health, safety, and environmental requirements only. It should not be construed as guaranteeing specific properties or suitability for particular applications.