

Mono Ethylene Glycol

CAS 107-21-1 · $C_2H_6O_2$ · 99.9% MEG fibre grade

Velora Chemicals Private Limited

Ahmedabad, Gujarat, India

+91 99255 22674 · info@velorachemicals.com

1. Product identity

Product name	Mono Ethylene Glycol
Synonyms	MEG chemical, ethylene glycol, MEG fibre grade
C.A.S. number	107-21-1
Molecular formula	$C_2H_6O_2$ (HOCH ₂ CH ₂ OH)
Molecular weight	62.07 g/mol (given as 62.1 on the ILO ICSC card)
Grade supplied against	99.9% MEG fibre grade
Appearance	Clear, colourless, odourless, viscous hygroscopic liquid with a sweet taste
Product group	Solvents & Organic Chemicals
HSN code	2905 31 00
Country of origin	As stated on the producer's documents for the lot supplied; confirmed at offer stage
Packing	ISO tank · 230 kg drum
Storage	Store in sealed containers below 40 degC in a cool, dry, well ventilated place away from direct sunlight. Suitable materials: stainless steel, HDPE and high-purity polymer liners; keep the container tightly closed because the product is hygroscopic and will pick up water and degrade the assay. Nitrogen blanket for fibre-grade bulk storage to protect colour and UV transmittance. BASF states a maximum storage time of about 12 months. Segregate from oxidising agents, strong acids and strong bases. Provide floor-level ventilation - the vapour is heavier than air.

2. Analytical specification

S. No.	Test parameter	Specification	Method
1	Description	Clear, colourless, odourless, viscous hygroscopic liquid with a sweet taste	Visual
2	Identification	Conforms to the substance supplied	Instrumental or chemical test, per method agreed
3	Assay / grade	99.9% MEG fibre grade	Titrimetry or instrumental, per method agreed
4	Physical state	Liquid	Visual
5	Solubility in water	Miscible with water in all proportions	Per the test method agreed

S. No.	Test parameter	Specification	Method
6	pH	5.0 measured on a 500 g/kg (50% w/w) aqueous solution at 20 degC (BASF MEG technical SDS). Most SDS report 'no data' for the neat product, because pH is not a meaningful specification for it - fibre-grade MEG is controlled on acidity as mg KOH/g, not on pH. Always state the dilution if you publish a number.	Potentiometry
7	Relative density	1.11 g/cm ³ at 20 degC (BASF); relative density 1.1 (ILO ICSC 0270)	Densitometry / hydrometry
8	Melting / freezing point	-13 degC (BASF MEG technical SDS and ILO ICSC 0270)	Capillary / thermal
9	Boiling point	197.4 degC (BASF); 197 degC (ILO ICSC 0270)	Distillation range
10	Flash point	111 degC closed cup (BASF and ILO ICSC 0270); 115 degC open cup (ICSC). Combustible but NOT classified as a flammable liquid. Autoignition 398 degC.	Closed cup
11	Additional parameters	To the specification agreed before order	As agreed

3. Transport classification

Not regulated for transport · Class Not applicable - not classified as a dangerous good under ADR, RID, ADN, IMDG or IATA/ICAO (BASF producer SDS) · Packing group Not applicable

Proper shipping name: Not applicable - not a dangerous good

What this document is. This is a product specification sheet. It states the grade this material is supplied against, its packing and its identity. **It is not a certificate of analysis, it carries no test results, and it certifies no batch.** Tested values for the consignment actually loaded appear on the batch certificate of analysis issued against that batch, which travels with the despatch documents. Identity and physical data are drawn from PubChem, the ECHA CLP inventory and ILO safety cards; the producer's documents for the grade quoted govern. Velora Chemicals Private Limited is a bulk supplier and trader, not a manufacturer.