Polychemicals

MEG

Description

1. **Monoethylene Glycol (MEG)** A clear, colorless, odorless, and hygroscopic liquid, MEG is the simplest of the ethylene glycols. It is the most commercially important glycol, primarily used as a critical raw material for producing polyester fibers (for textiles) and polyethylene terephthalate (PET) resins (for bottling). Its excellent heat transfer properties and low freezing point also make it the main component in automotive anti-freeze and coolant formulations.

Application

- **Polyester Fibers & PET Resins:** Primary feedstock for textile and packaging industries (MEG).
- **Antifreeze & Coolants:** Automotive and industrial heat transfer fluids (MEG).
- **Unsaturated Polyester & Alkyd Resins:** Intermediate in the production of resins for coatings and composites (MEG, DEG).

PROPERTIES	SPEC. VALUE	UNIT	TEST METHOD
PURITY	99.8 MIN	WT%	ASTM E 202
DI ETHYLENE GLYCOL	0.08 MAX	WT%	ASTM E 202
WATER CONTENT	0.08 MAX	WT%	ASTM E 203
ACIDITY AS ACETIC ACID	10 MAX	PPM WT%	ASTM D 1613
ASH	0.005 MAX	GR/100ML	DC - 254 A
CHLORIDES AS CHLORINE E ION	0.1 MAX	PPM WT%	EQ - 836
ALDEHYDES AS ACETALDEHYDE	10 MAX	PPM WT%	DC - 163C
IRON	0.1 MAX	PPM WT%	ASTM E 202
COLOR	5 MAX	PT-CO	ASTM D 1209
SP. GR. 20/20°C	1.1151-1.1156	-	ASTM D 891
DISTILLATION 760MM HG - IBP	196 MIN	°C	ASTM D 1078
DISTILLATION 760MM HG - DP	199 MAX	°C	ASTM D 1078
DISTILLATION 760MM HG - 5-95% VOL% RANGE	1 MAX	°C	ASTM D 1078

UV TRANSMITTANCE 220 NM	70 MIN	T%	EO - 577A
UV TRANSMITTANCE 275 NM	95 MIN	T%	EO - 577A
UV TRANSMITTANCE 350 NM	99 MIN	T%	EO - 577A