

## Ethylene Glycol Product Specifications

# Triethylene Glycol

**Industrial Grade**

**Product Code: Bulk – 5050 CAS#: 112-27-6**

### Description

Triethylene glycol is a colorless, odorless liquid completely miscible with water and many other organic solvents. In many of its properties and uses, triethylene glycol closely resembles the lower ethylene glycols, particularly diethylene glycol, but it has a higher boiling point and lower volatility. Triethylene glycol is principally used for drying natural gas. It is also used as a heat transfer medium and as an intermediate in the preparation of resins and plasticizers.

### Specifications

<u>Specifications</u>	<u>Value</u>
Appearance	Substantially free of suspended matter
Triethylene glycol, wt. % min.	99
Other glycols, wt. % max.	1.0
Color (APHA) max.	25
Acidity (as acetic acid), wt. % max.	0.005
Ash, wt. % max.	0.005
Water, wt. % max.	0.1

### Typical Properties

<u>Typical Properties</u>	<u>Value</u>
Molecular weight	150.17
Flash point (PMCC), °C (°F)	171 (340)
Distillation range at 760 mm Hg, °C (°F)	
Initial boiling point	278 (532)
Dry point	300 (572)
Boiling point at 760 mm Hg, °C (°F)	287.4 (549.5)
Freezing point, °C (°F)	-7.2 (19)
Specific gravity at 20/20°C	1.125
Specific heat at 20°C, cal/g/°C	0.53
Refractive index at 20°C	1.4559
Coefficient of expansion per °C at 20°C	0.00068
Surface tension at 20°C, dyne/cm	45.2
Vapor pressure at 20°C, mm Hg	less than 0.01
Weight/gal. (U.S.) in lb. at 20°C	9.36

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