

## Technical Data Sheet

### DESCRIPTION

Chemical name: Triethylene glycol

CAS.No.: 112-27-6

Molecular formula: C<sub>6</sub>H<sub>14</sub>O<sub>4</sub>

EINECS No.: 203-953-2

Molecular weight: 150.17

Triethylene Glycol (TEG) is a larger molecule than MEG, DEG and has two ether groups. It is less clear and less hygroscopic than DEG, but has a higher boiling point, density and viscosity.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Boiling Point	285	(°C)	
Freezing Point	-7	(°C)	
Vapor Density	5,17	At 15°C (air=1.0)	
Specific heat	0,477	At 0°C (cal/gm/°C)	
Viscosity	51	cP at 20 °C	
Purity	99 Min	Wt. %	ASTME-2409
Appearance	Clear	Visual	ASTME-2680
Specific Gravity	1.124 – 1.126	At 20°C/20°C	ASTMD-4052
Distillation Range	280 – 295	°C (at 760 mmHg)	ASTMD-1078
Water	0.1 Max	Wt. %	ASTME-1064
DEG Content	0.5 Max	Wt. %	ASTME-2409
Heavy Ends	0.5 Max	Wt. %	ASTME-2409
Color	25 Max	APHA	ASTMD 1209
Ash	0.01 Max	Wt. %	ASTMD-482

## APPLICATIONS

TEG is an important non-volatile industrial solvent. It is also useful in the dehydration of gases, manufacture of insecticides and in the synthesis of some organic derivative.

Pure TEG is useful in the production of plasticizers for cellophane, glue, cork, powdered ceramics and some plastics. TEG is a component in the formulation of some pigments, printing dyes, inks and pastes. It is also used for air fumigation.

## PACKING, STORAGE AND HANDLING

225kg/drum, 18mt per 20'ft;

Refer to SDS

## TOXICITY AND SAFETY

Refer to SDS

## DISCLAIMER

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