



NAME: TEG

TEG obtained from the reaction of ethylene oxide and DEG. It is a clear, transparent and odorless liquid that can be mixed with water in any proportion.

Application:

TEG is used as a synthesizing agent for alkyd resins as well as saturated and unsaturated polyester.

TEG can be used as synthesis intermediates.

TEG esters with fatty acids (oleic, stearic, lauric, etc.) are used as emulsifiers and plasticizers of polymers.

TEG can be used as secondary solvent in brake fluid formulations. This product is also used to avoid the excessive swelling of rubber in the hydraulic system.

Ethylene glycols can also be used in the formulation of printing ink, in the treatment of gases, in the formulation of fire-resistant hydraulic fluids, in the formulation of cutting oils, in the formulation of surface polishers, in the formulations of agrochemicals, in the extraction of solvents, in the manufacture of pigmented pastes and putty for walls, and in the synthesis of explosives.

Typical data: (Table)

Property	Units	Test Method	Value
Appearance		Visual	Clear Colorless
Purity	% (m/m)	100-impurities	99.5 max
MEG	% (m/m)	ASTM E202	0.5 max
PEG	% (m/m)	ASTM E202	0.1 max
Water	% (m/m)	ASTM E202	0.05 max
Specific gravity 20/20%		ASTM D 4052	1.124-1.126
Boiling range at 0.1013 MPa 5% Vol 95% Vol	°C	ASTM E202	280 min 295 min
Color (Pt-Co)		ASTM E202	25 min
Ash	Mg/kg	ASTM D482	100 min

Storage conditions:

Under nitrogen blanket and at ambient temperature.

Packing:

Bulk or in 220 Lit (net: 220 Kg) new drums, each 4 drums strapped on a pallet.

Typical data: (Table)