

Triethanolamine (TEA)**TEA 85.0% ❖**

Characteristic	Test Method	Unit	Value
PURITY	MA – 503 (GC)	WT%	85 MIN.
SP. GR (20/20 °C)	ASTM D -891	-	1.122 - 1.130
WATER	ASTM D -1364	WT%	0.2 MAX.
MEA	GC	WT%	0.5 MAX.
DEA	GC	WT%	15.0 MAX.
COLOR Pt-Co	ASTM D -1209	-	50 MAX.

❖ Regular product.

TEA 99.0%

Characteristic	Test Method	Unit	Value
PURITY	MA – 503 (GC)	WT%	99 MIN.
SP. GR (20/20 °C)	ASTM D -891	-	1.124 - 1.127
WATER	ASTM D -1364	WT%	0.2
COLOR Pt-Co	ASTM D -1209	-	75 MAX.

TRIETHANOLAMINE obtained from the reaction between ammonia and ethylene oxide. **TRIETHANOLAMINE**, have a low volatility at room temperature, is hygroscopic, presents an ammoniac odor and can appear in solid or liquid form depending on the temperature and the purity grade.

○ **Application areas:**

● **Detergents :**

TRIETHANOLAMINE is recommended as a component in detergent formulations for laundry and dishwashing, degreasers, multiple use detergents and disinfectants.

- **Treatment of gases :**

[Ethanolamines](#) can be used to treat natural gas and petroleum residual gas in the absorption of carbon dioxide.

- **Additives for cement :**

[Ethanolamines](#) are used as auxiliary agents in concrete milling. Low concentrations of [TRIETHANOLAMINE](#) accelerate the hardening rate of concrete while high concentrations have a retarding effect on hardening.

- **Other uses :**

[Ethanolamines](#) can also be used in the formulation of pharmaceutical products, dispersing agents for glues, gums, latex and photographic developers, accelerators of rubber vulcanization, corrosion inhibitors, pH controllers, synthesis intermediates, lacquer, paint, wax and polisher wetting agents, polymerizing agents and catalysts for polyurethane resins.

- **Storage conditions:**

Since this product is hygroscopic we recommend provide the tanks with an inert atmosphere such as of nitrogen to reduce the absorption of water and to avoid darkening through contact with the air. We recommend storing [MONOETHANOLAMINE](#), by bulk in stainless steel 316 or 304 tanks, equipped with a water or vapor heating coil to maintain the products at a temperature above their solidification point.

- **Packing:**

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