

# Monoethanolamine (MEA)

Characteristic		1oMax	Unit	Value
PURITY		MA-503	WT. %	99MIN
WATER		ASTM D-1364	WT. %	0.2MAX
COLOR	STEAL DRUM	ASTM D-1209	WT. %	30
	HDPE DRUM & ISO TANK		PY-CO	10
SP.GR (20/20°C)		ASTM D-891	-	1.017-1.119
EQUIVALENT MV		MA-238	-	61-62.5

## Monoethanolamine (MEA)

Monoethanolamine was obtained from the reaction between ammonia and ethylene oxide. Monoethanolamine has 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.

## Packaging

Bulk or in 220 Lit (net: 200 Kg) new drums, each 4 drums strapped on a pallet.

# Monoethanolamine (MEA)

## Application

### Detergents:

Monoethanolamine is recommended as a component in detergent formulations for laundry and dishwashing, degreasers, multiple-use detergents, and disinfectants. Monoethanolamine can also be used as a neutralizer agent in formulations of car wash shampoos, degreasers in general, wax removers and as corrosion inhibitors.

### Agrochemicals:

Monoethanolamine is used as a neutralizer agent for anionic emulsifiers.

### Treatment of gases:

Monoethanolamines can be used to treat natural gas and petroleum residual gas in the absorption of carbon dioxide. In gas systems containing carbon dioxide, Monoethanolamines can be used as a selective absorber and plays an important role in the production of ammonia, liquid carbon dioxide, and dry ice permitting regeneration in the latter cases..

### Other uses:

Monoethanolamines is recommended as a synthesis intermediate for the manufacture of corresponding alkanol amides due to its reaction with fatty acid or coconut oil. As a consequence of its properties, this product can be used in various industrial segments such as detergents, lubricant oils, products for hygiene and personal care, flotation of minerals, etc.

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 resin.

### 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.