



Triethanolamine (TEA)

Triethanolamine (TEA) is a viscous, colorless liquid with an ammonia-like odor that is soluble in water, alcohol, and chloroform. It is a tertiary amine and a triol (a molecule with three alcohol groups) and is considered a strong base



Chemical formula	$C_6H_{15}NO_3$
boiling point	335 °C at 1 013 hPa
Melting point	21.6 °C at 1 013 hPa
Molar mass	149g/mol
density	1.124 at 20 °C
Appearance	Viscous colourless liquid

SOME OF THE MAIN USES:

- PRODUCTION OF DETERGENTS, EMULSIFIERS, POLISHES, PHARMACEUTICALS, AND CORROSION INHIBITORS
- SURFACTANT IN THE FORMULATION OF HERBICIDES, FUNGICIDES, AND INSECTICIDES
- PH ADJUSTER IN COSMETIC PRODUCTS SUCH AS SHAMPOOS, HAIR CONDITIONERS, AND SKIN CREAMS
- CORROSION INHIBITOR IN METALWORKING FLUIDS
- CEMENT GRINDING AID
- COMPONENT OF CUTTING FLUIDS
- INTERMEDIATE IN THE PRODUCTION OF SURFACE-ACTIVE AGENTS
- CATALYST FOR THE PRODUCTION OF POLYURETHANE FOAM
- WETTING AGENT IN TEXTILE PROCESSING
- COMPONENT OF PHOTOGRAPHIC DEVELOPERS AND FIXERS

