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## TEA 85%

ArroChem's TEA 85% is a high-purity chemical compound known as triethanolamine. It is a versatile and widely used additive in various industrial applications. TEA 85% has a lower freezing point, making it easier to handle. It comes in numerous varieties including the popular low-freeze grade blend. TEA 85% is a concentrated solution of triethanolamine, offering excellent solubility in water and compatibility with various materials. It serves as a multifunctional agent, surfactant, and pH adjuster in numerous formulations and processes.

### General Characteristics:

Appearance:	Clear, colorless to pale yellow liquid
Ionic Nature:	Amphoteric (acts as both a base and an acid)
Solubility in Water, 25°C:	Completely soluble
pH, 1% Solution:	~10-11 (alkaline solution)
Flash Point:	~170°C (338°F) (closed cup)
Specific Gravity:	~1.20 g/cm <sup>3</sup> at 20°C (68°F)



### APPLICATION:

TEA 85% is widely used in various industries due to its versatility and effectiveness. Key applications including but not limited to the following:

- **Surfactants:** Employed as a surfactant in detergents, cleaners, and soaps to improve wetting and foaming properties.
- **Emulsifiers:** Found in emulsion paints and coatings to stabilize the mixture and enhance film formation.
- **Metalworking Fluids:** Employed in metalworking fluids as a corrosion inhibitor and emulsifier.