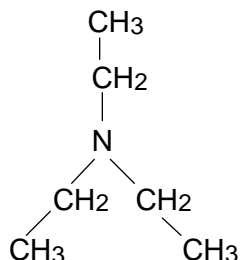


# Triethylamine

## Technical Data Sheet

March 2001

Formula: . . . . .  $(\text{CH}_3\text{CH}_2)_3\text{N}$   
Molecular Weight: . . . . . 101.2  
Product Number: . . . 600321/591618  
CAS Registry Number: . . . . 121-44-8



Product Specifications	Value	Test Method
Assay, % minimum	99.5	G.C.
Ethylamine, % maximum	0.2	G.C.
Diethylamine, % maximum	0.1	G.C.
Ethanol, % maximum	0.2	G.C.
N-Ethylidene-ethylamine, % maximum	0.1	G.C.
Water content, % maximum	0.1	Karl Fischer
Color, APHA maximum	15	Pt/Co
Suspended matter	none	visual

Physical Properties	
Boiling point, °C . . . . .	88.8
Freezing point, °C . . . . .	- 115
Density @ 20°C, g/cm <sup>3</sup> . . . . .	0.73
Weight/gallon . . . . .	6.06
Flash point, °C (closed cup) . . . . .	- 11

### Description

Triethylamine is a colorless liquid, free of suspended matter. It is miscible with nearly all common organic solvents, and with water at temperatures below 18.7°C.

### Safety

Triethylamine is a flammable liquid that is corrosive to the skin and eyes. Inhalation of vapors may irritate the respiratory tract.

Always refer to the Material Safety Data Sheet (MSDS) for information on safety.

### Applications

Intermediate used in the production of:

- quaternary ammonium compounds for textile auxiliaries
- quaternary ammonium salts of dyes
- a catalyst and acid neutralizer for condensation reactions

- a catalyst for resin-bound foundry cores
- a stabilizer for chlorinated hydrocarbons and vinyl compounds

### Packaging

Available in tank trucks and 330 lb (net weight) non-returnable steel drums.

### Storage & Handling

Triethylamine has an almost unlimited shelf life in unopened, original containers when properly stored in a protected storage area.

It is neither explosive nor spontaneously flammable in air. However it is highly flammable, malodorous and corrosive.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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