

# Triethylamine

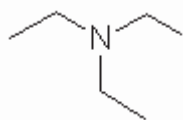
## TEA

### Technical Data Sheet

October 2007



Formula..... $C_6H_{15}N$   
Molecular Weight .....101.2  
PRD Number .....30036819  
CAS Registry Number.....121-44-8



Product Specifications	Value	Test Method
Assay, % minimum	99.7	GC
Diethylamine, % maximum	0.1	GC
Ethylamine, % maximum	0.05	GC
Ethanol, % maximum	0.05	GC
Water, % maximum	0.06	DIN 51 777
Color, APHA maximum	15	DIN EN 1557

#### Physical Properties

Melting Temperature, °C	-115
Boiling Temperature, °C	90
Density @20°C, g/cm <sup>3</sup>	0.73
Flash Point, °C	-11
Ignition Temperature, °C	215

#### Description

TEA is a colorless liquid. It is miscible with nearly every common organic solvent.

#### Synonyms

TEA  
N,N-Diethylethanamine  
(Diethylamino)ethane

#### Safety

TEA is highly flammable and corrosive. It is harmful by inhalation, skin contact and if swallowed and causes severe burns.

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

#### Applications

Intermediate used in the production of:

- Crop protection agents
- Pharmaceuticals
- Catalyst for resin-bound foundry cores
- Formulation aids
- Acid binder
- Stabilizer for chlorinated hydrocarbons and vinyl compounds
- Paper

#### Packaging

Available in bulk and drums.

#### Storage & Handling

TEA has shelf life of 12 months in unopened, original container. Protect from fire, static discharges, acids and acid forming substances.

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

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