

Technical Data Sheet

Triethylamine

Chemical Synonym

Ethanamine, N,N-diethyl-; TEA

Applications

- Ag chem solvents
- Agriculture intermediates
- Aluminum production
- Chemicals & petrochemicals
- Electronic chemicals
- Insecticides int
- Intermediates
- Mining
- Pharmaceutical chemicals
- Resins

Product Description

Triethylamine (TEA) is a colorless liquid with an ammonia-like odor.



Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	C ₆ H ₁₅ N
Molecular Weight	101.19 g/mol
Appearance	Colorless liquid
Autoignition Temperature	215 °C
Boiling Point	90 °C
Critical Pressure	30 400 hPa
Critical Temperature	262.06 °C
Density	
@ 20°C	0.73 g/cm ³
Dissociation constant, pKa	
@ 25°C	10.75
Flash Point	
Closed Cup	-11 °C
Freezing Point	
(1013 hPa)	-115 °C
Heat of Vaporization ^a	
(1013 hPa)	311.01 kJ/kg
Octanol-water partition coefficient, log Pow	1.45
pH	12.5
Vapor Density	
(air = 1)	3.48
Vapor Pressure	
@ 20°C	72 hPa

@ 40°C	178 hPa
Viscosity	
@ 25°C	0.363 mPa·s
Water solubility	
@ 20°C	112.4 g/L

^aLatent

Packaging

- Bulk
- Steel drums (145 kg net)

Taminco Branding

Taminco logo will appear instead of Eastman Logo on TDS.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

3/13/2018 8:11:28 AM