

Product data sheet

Triethylamine (TEA)

(C₂H₅)₃N

M= 101,19 g/mol

REACH Registration Number: 01-2119475467-26

CAS No: 121-44-8

EC No: 204-469-4

EINECS : 612-004-00-5

Applications: Intermediate for the chemical industry,
e.g. as a catalyst/hardener for resin-bound foundry cores.

Specification: TEA > 99,0 % (by gaschromatography)
Water < 0,2 % (by Karl Fischer)

Form and solubility: Colorless to slightly yellow liquid, miscible with water
and almost all common organic solvents.

Physical qualities: Changes in conditions
Melting range: approx. -115°C
Boiling range: 89 °C
Flash point: approx. -11 °C
Ignition temperature : 249 °C
Vapour pressure : 20°C 72 hPar
Density: 20°C 0,73 g/cm³

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Hazard categories: Flam. Liq. 2, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1A, STOT SE 3;

Signal word: Danger

Pictograms: GHS02- GHS05-GHS06

Hazard statements: H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H311+H331 Toxic in contact with skin or if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition
sources. No smoking.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Transport Information : UN 1296 Triethylamine, 3,8,II

Delivery form: 8,0 kg ; 140 kg steel drums (code SFR) , Delivery in other forms can be discussed.

Storage: Protect from the effects of heat and direct sunbeam. Keep in a dry and well-ventilated place.