

Technical data sheet



Product name: **Triethanolamine**

Grade: **Laboratory**

Chemical formula: $N(CH_2CH_2OH)_3$

Molar mass: 149.19 g/mol

Synonyms: Tris(2-hydroxyethyl)amine; 2,2',2''-Trihydroxytriethylamine; TEA, TEA

General information	
Cas- No.	102-71-6
Ec-No.	203-049-8
Appearance	Oily colorless liquid
Boiling point	360 °C (decomposition)
Melting point	20.5 °C
Flash point	179 °C
Spec.density	1.124 g/cm ³ (30°C)
Vapour pressure	0.01 hpa(25°C)
Solub. In H ₂ O	free soluble (20°C)
Storage temp	+15°C to +25°C
R:	22-38-41-48/22
S:	26-36/37/39-46

Specification	
Purity (GC)	≥ 99 %
Identity(IR)	conforms
Appearance	conforms
Chloride	≤ 0.0001 %
Sulfate	≤ 0.002%
Heavy metals	≤ 0.0001%
Iron	≤ 0.0001%
Ethanolamine	≤ 0.1%
Diethanolamine	≤ 0.5%
Ignition temp	325 °C
Sulfate ash (600 °C)	≤ 0.005%
Water	≤ 0.2 %

Symbol:



packaging:

Available Pack	1 lit	2/5 lit	5 lit	10 lit	20 lit
GLASS	-	-	-	-	-
P.E	-	-	-	-	-



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