

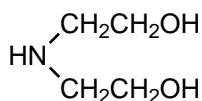
# Technical Bulletin

## HUNTSMAN

### DIETHANOLAMINE

[CAS 111-42-2]

#### STRUCTURE



Mol. wt. 105.14

#### DESCRIPTION

A clear, colorless, hygroscopic liquid with a mild ammoniacal odor at higher than room temperature. At room temperature it is a white, crystalline solid.

#### SPECIFICATIONS

		<b>Method</b>
Color, Pt-Co	15 max.	ST-30.12
Composition, wt. %		ST-35.99
Diethanolamine	99.0 min.	
Monoethanolamine	0.5 max.	
Triethanolamine	0.5 max.	
Equivalent weight	104.0 min. 106.0 max.	ST-5.5
Water, wt. %	0.15 max.	ST-31.53 Procedure 6

#### SELECT PROPERTIES

Boiling point, 760 mm, Hg, °C	269 (decomposes)
Flash point, PMCC, °F	310
Melting point, °C	28.0
Specific gravity, 30/20°C	1.0919
Vapor pressure, 20°C, mm Hg	<0.01
Weight, 30°C, lb/gal	9.1
pH	11.5

#### APPLICATIONS

An intermediate in the manufacture of cosmetics, surface-active agents used in textile specialties, herbicides, and petroleum demulsifiers; as a gas scrubber in refinery and natural gas operations; waxes, polishes, and coatings emulsifiers; soluble oils; and corrosion inhibitors.

#### SHIPPING

Available in coiled tank cars, tanks wagons in certain areas, and 55-gallon drums, 490 pounds net.