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## Typical Specification

### Diethanolamine (DEA)

#### Description

Diethanolamine is a clear, hygroscopic liquid with a mild ammoniacal odor at above room temperature. At room temperature it is a white crystalline solid. Diethanolamine is used in cosmetics, surface-active agents, petroleum demulsifiers, plasticizing agents, rubber chemicals and pharmaceuticals. It also acts as a gas-scrubber in refinery and natural gas operations.

#### Specifications

Diethanolamine, wt. % min.	99.0
Monoethanolamine, wt. % max	0.5
Triethanolamine, wt. % max	0.5
Color (APHA) max.	15
Apparent Equivalent Weight	104-106
Water, wt. % max.	0.15

#### Typical Properties

Molecular weight	105.14
Freezing point, °C (°F)	28 (82.4)
Flash point (PMCC), °C (°F)	166 (330)
Specific gravity at 20/20°C	1.0919
Vapor pressure at 20°C, mm Hg	<0.01
Viscosity at 30°C, cP	387
at 40°C, cP	189
Coefficient of Expansion @ 55°C, per °C	0.00060
Weight/gal. (US) in lbs. at 30°C	9.09

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