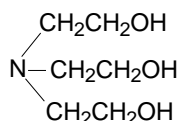


**Technical Bulletin****TRIETHANOLAMINE B85**

[CAS 102-71-6, CAS 111-42-2]

**STRUCTURE**

Mol. wt. 149.19

**DESCRIPTION**

Triethanolamine B85 is a blend of triethanolamine and diethanolamine. The product is a clear, viscous, hygroscopic liquid at room temperature.

**APPLICATIONS**

An intermediate in the manufacture of cosmetics, surface-active agents, textile specialties, waxes and polishes, herbicides, petroleum demulsifiers, toilet goods, cement additives, cutting oils, and photographic film developers; corrosion inhibitor; dispersant for dyes, casein, shellac, and rubber latex; sequestering agents; a rubber chemicals intermediate.

**SALES SPECIFICATIONS**

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance	Clear and substantially free of suspended matter	ST-30.1
Color, Pt-Co	40 max.	ST-30.12
Composition, wt%		ST-35.99
Triethanolamine	85 - 89	
Diethanolamine	11 - 15	
Monoethanolamine	0.5 max.	
Equivalent weight	140 - 144	ST-5.5
Iron, ppm	10 max.	ST-37.1
Water, wt%	0.2 max.	ST-31.53, 5

\*Methods of Test are available from Huntsman Corporation upon request.

**ADDITIONAL INFORMATION****Regulatory Information**

See SDS for all regulatory information.

**Shelf Life**

The product should retain its conformance to sales specifications for a period of at least two years from date of manufacture if the product is stored at less than 100°F (37.8°C) in its undamaged, unopened, factory packaged container.

In general, the user should determine the suitability of any chemical compound, no matter what the shelf life or length of time of storage. Each user should conduct a sufficient investigation to establish the suitability of any product for his intended use.

**Typical Properties**

Flash point, PMCC, °F / °C	354 / 179
Boiling point, 760 mm Hg, °F / °C	581 / 305
Melting point, °F / °C	64.4 / 18
Density, g/ml, 20°C (68°F)	1.12
Weight, 20°C (68°F), lb/US gal	9.37
pH	11
Vapor pressure, 20°C (68°F), mm Hg	<0.01
Viscosity, cSt, 25°C (77°F)	527

**TOXICITY AND SAFETY**

For information on the toxicity and safe handling of this product, read the Safety Data Sheet prior to use of the product.

**HANDLING AND STORAGE**

Triethanolamine B85 may be satisfactorily stored in carbon steel, stainless steel, or aluminum tanks using steel pipes and pumps. Caution must be exercised, however, to keep the material in the anhydrous state to prevent severe corrosion to the carbon steel or aluminum tank and related equipment. A drier on the breathing nozzle is recommended to help maintain anhydrous conditions in the storage tank.

For longer term color stability, it is recommended that the product be stored under an inert atmosphere.

Low pressure steam coils in storage tanks and heat tracing of transfer lines should be provided in cases where low environmental temperatures may make pumping of the product difficult.

**SHIPPING DATA**

Product is available in coiled tank cars, tank wagons in certain areas, and drums of 520 pounds (236 kilograms) net weight. Small evaluation samples can be obtained by contacting any Huntsman Performance Products sales office.

**BIODEGRADABILITY AND ENVIRONMENTAL SAFETY**

Triethanolamine B85 undergoes moderate biodegradation and is not expected to be persistent in the environment.

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