

Technical Bulletin

TRIETHANOLAMINE B85 LFG 85% TEA B85 LFG 85%

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

PRODUCT DESCRIPTION TEA B85 LFG 85% is a low-freeze grade version of Triethanolamine B85, a mix of triethanolamine and diethanolamine. The product is an aqueous blend designed to provide a lower freeze point product for those who can tolerate the presence of water in their applications. Freezing will occur at approximately -9°C versus the 18°C expected for Triethanolamine B85.

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	50 max.	ST-30.12
Equivalent weight	161 - 173.5	ST-5.5
Triethanolamine, wt%	72 - 76	Loading Measure
Diethanolamine, wt%	9 - 13	Loading Measure
Water, wt%	13 - 17	Loading Measure

*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	>200 / >93.3
pH	11
Specific gravity, 20/20°C	1.12
Weight, 20°C (68°F), lb/US gal	9.33
Vapor pressure, 20°C (68°F), mm Hg	<0.01
Viscosity, cSt, 25°C (77°F)	525
Diethanolamine, wt%	11

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

TEA B85 LFG 85% may be satisfactorily stored in stainless steel tanks using stainless steel pipes and pumps.

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 tank cars and tank wagons. Small evaluation samples can be obtained by contacting any Huntsman Performance Products sales office.

BIODEGRADABILITY AND ENVIRONMENTAL SAFETY

TEA B85 LFG 85% undergoes moderate biodegradation and is not expected to be persistent in the environment.

1034-0717

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