

Technical Bulletin**MONOETHANOLAMINE LFG-85%**

[CAS 141-43-5]

DESCRIPTION

Monoethanolamine LFG-85% is a low-freeze grade of monoethanolamine. It is an aqueous blend designed to provide a lower freeze point product for those who can tolerate the presence of water in their application. Freezing will occur at approximately -10°C versus the 10°C for monoethanolamine.

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
Monoethanolamine, wt%	83 – 86	ST-5.5
Water, wt%	14 - 17	ST-31.53, 6

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

ADDITIONAL INFORMATION**Regulatory Information**

DOT/TDG Classification	Ethanolamine solution
	Hazard Class 8, UN 2491
	Packing Group III
	Corrosive
HMIS Code	3-1-0
TSCA Inventory	Yes
WHMIS Classification	E
Canadian DSL	Yes

Typical Values

Diethanolamine, wt%	≤0.08
pH	12
Specific Gravity, 20/20°C	1.03
Weight, 20°C, lb/gal	8.5
Viscosity, cSt, 37.7°C	< 20

TOXICITY AND SAFETY

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

HANDLING AND STORAGE

Monoethanolamine 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. Solid sediment may form upon standing. There should be circulation in the storage vessel to keep solids suspended.

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, tank wagons and drums. Small samples are available by contacting our sample department at 1-800-662-0924.

BIODEGRADABILITY AND ENVIRONMENTAL SAFETY

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

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