

Technical Bulletin**DIETHANOLAMINE LFG-85%**

[CAS 111-42-2]

PRODUCT DESCRIPTION

Diethanolamine LFG-85% a low-freeze grade of diethanolamine. 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 0°C versus the 28°C for diethanolamine.

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
Diethanolamine, wt%	83 - 87	ST-5.5
Monoethanolamine, wt%	1 max.	ST-35.213
Triethanolamine, wt%	1 max.	ST-35.123
Water, wt%	13 – 17	ST-31.53, 6

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

ADDITIONAL INFORMATION**Regulatory Information**

DOT Classification	Environmentally hazardous substances, liquid, n.o.s. (Diethanolamine)
	Hazard Class 9, UN 3082
	Packing Group III
TDG Classification	Not Regulated
HMIS Code	3-1-0
TSCA Inventory	Yes
WHMIS Classification	D2B
Canadian DSL	Yes

Typical Values

Flash point, °F	300
Melting point, °C	0
pH	11.8
Specific Gravity, 20/20°C	1.09
Weight, 20°C, lb/gal	9.08

TOXICITY AND SAFETY

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

HANDLING AND STORAGE

Diethanolamine 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

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

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