

MONOETHANOLAMINE (MEA)

TU 6-02-915-84

All grade of industrial monoethanolamine is used in petrochemical and gas industries for absorption of acid gases and sulfur-containing organic substances. Premium and 1st grade of industrial monoethanolamine is also used in pharmaceutical, textile, paint and lacquers industries as well as in production of plastics.

MAIN QUALITY SPECIFICATIONS			
	PREMIUM Typical Value	1 ST GRADE Typical Value	2 ND GRADE Typical Value
Monoethanolamine Mass Content, %, min	98.8	98.0	95.0
Diethanolamine Mass Content, %, min	0.6	1.0	2.0
Colour Hazen, max.	50	более 50	-
Density at 20 °C, g/cm ³	1.015 – 1.018	1.015 – 1.018	1.015 – 1.025
Water Mass Content, %, max.	0.6	1.0	3.0

Supply Form:	Colorless transparent liquid with ammonium odor free of mechanical impurities
Packaging:	Product is shipped in railway railway tank-cars or tank-cars
Transportation:	Product to be transported in railway tank-cars by all covered transportation means according to the current Rules for Transportation of Dangerous Goods.
Storage:	Product shall be stored away from open fire in sealed containers (steel or aluminum drums or railway tank-cars) in heated during the winter time and ventilated storages, min. 2 meters away from heating devices. Storage of this product in sealed containers on the sheltered open areas by preventing direct sunrays and atmospheric precipitates is permitted. However, containers shall have air-valve in order to exclude the possibility of vacuum formation by evacuation and increasing of pressure by filling. As "layer" can be used either dry rare gas or by short storage – dried gas. Expire date - 1 year from the production date.

DIETHANOLAMINE (DEA)

TU 6-09-2652-91

Diethanolamine is used in production of plasticizers, emulsifiers, detergents, dispersants for paints, cosmetics, retarding agent against corrosion; in synthesis of medicine; as absorbent of sour gases from the industrial mixtures.

MAIN QUALITY SPECIFICATIONS	
	A-GRAGE Typical Value
Diethanolamine Mass Content, %, min	98
Refraction Index at 20 °C	1.4770 – 1.4790
Crystallization Temperature, °C, min	25.7

Supply Form:	Liquid with strong ammonium odor
Packaging:	Product is shipped in railway railway tank-cars or tank-cars
Transportation:	Product to be transported in railway tank-cars by all covered transportation means according to the current Rules for Transportation of Dangerous Goods.
Storage:	Product shall be stored away from open fire in sealed containers (steel or aluminum drums or railway tank-cars) in heated during the winter time and ventilated storages, min. 2 meters away from heating devices. Storage of this product in sealed containers on the sheltered open areas by preventing direct sunrays and atmospheric precipitates is permitted. Expire date - 1 year from the production date.

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