

Ethanolamine Product Specification

Triethanolamine-85

Product Code: Bulk – 5034

CAS #: 102-71-6 (TEA) 111-42-2 (DEA)

Description Triethanolamine-85 is a mixture of approximately 85% TEA and 15% DEA. It is a viscous organic base used in the manufacture of detergents, soaps, cosmetics, toiletries, cutting fluids, cement additives and textile lubricants.

Specifications	TEA-85	Low Freeze
Triethanolamine, wt. % min.	85.0	71.4
Diethanolamine, wt. % max.	15.0	13.0
Monoethanolamine, wt. % max.	0.5	0.5
Color (APHA) max.	50	50
Apparent Equivalent Weight	140 - 145	
Water, wt. % max.	0.2	14-16

Typical Properties	
Freezing point, °C (°F)	17.9 (64)
Flash point (PMCC), °F (°C)	382 (194.4)
Auto-ignition Point, °C (°F)	350 (662)
Viscosity at 25°C, cP	590.5
Specific gravity at 20/20°C	1.122
Refractive index at 25°C	1.4836
Coefficient of Expansion @ 55°C, per °C	0.00053
Weight/gal. (US) in lbs. at 25°C	9.34

The information on this document is, to our knowledge, true and accurate. However, since the particular uses and the actual conditions of use of our products are beyond our control, establishing satisfactory performance of our products for the intended application is the customer's sole responsibility. All uses of Equistar products and any written or oral information, suggestions or technical advice from Equistar are without warranty, express or implied, and are not an inducement to use any process or product in conflict with any patent.

Equistar materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. Equistar makes no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

More detailed safety and disposal information on our products is contained in the Material Safety Data Sheet (MSDS). All users of our products are urged to retain and use the MSDS. A MSDS is automatically distributed upon purchase/order execution. You may request an advance or replacement copy by calling our MSDS Hotline at 800.700.0946.