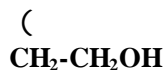
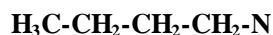
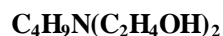


# n-BUTYLDIETHANOLAMINE



## SPECIFICATIONS

Color APHA	200 Maximum
Clarity	Clear and Free from Suspended Matter
Butyldiethanolamine	98.6% Minimum

The above specifications are determined according to ATOFINA Chemicals analytical methods.

## PROPERTIES

Refractive Index @ 20EC	1.462 - 1.468
Coefficient of Cubical Expansion/EC	0.0008
Average Weight, Pounds Per Gallon	8.1
Flash Point, EF (TAG Closed Cup)	295
Molecular Weight	161.3
Viscosity @ 20EC cps.	8
Vapor Pressure @ 25EC mm Hg	1
Specific Gravity @ 20EC	0.960 - 0.977
Boiling Range, EC	265 - 287

## SAFETY

**BEFORE HANDLING THIS MATERIAL, READ AND UNDERSTAND THE MSDS (MATERIAL SAFETY DATA SHEET) FOR ADDITIONAL INFORMATION ON PERSONAL PROTECTIVE EQUIPMENT AND FOR SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION.**

## SHIPPING

**Description on Shipping Papers:** Chemicals, NOIBN.

Parcel Post, Air Express, Air Freight allowed.

**Containers (included and nonreturnable):**

Size	Type	Material ID	Product Code	Net	Tare
55 gal drums	55 G TH UL	2203	01029-20	435 lbs.	37 lbs.

**MISCELLANEOUS**

CAS No.: 102-79-4  
HTS No.: 2921.19.50  
EINECS: 2030550  
ECoin: 117587

Effective: 11/1/99  
Supersedes: 8/15/96

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