

Diethanolamine



Cas Number: 111-42-2

Other Names: 2,2'-Iminodiethanol, Diolamine, Iminodiethanol,
Bis(2-hydroxyethyl)amine Diethylolamine, 2,2'-Iminobisethanol

Formula: $C_4H_{11}NO_2$

PRODUCT INTRODUCTION

Diethanolamine, often abbreviated as DEA, is an organic chemical compound which is both a secondary amine and a dialcohol. A dialcohol has two hydroxyl groups in its molecule. Like other amines, diethanolamine acts as a weak base. Like all Ethanolamines, Diethanolamine is produced industrially exclusively by the reaction of ethylene oxide with excess ammonia. The chemical is classified by the International Agency for Research on Cancer as "possibly carcinogenic to humans"

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid or white solids
Assay	99.7 %
Water	0.0 %
Colour	1 HAZ
MEA	0.27 %
TEA	0.02 %

APPLICATIONS

- Diethanolamine is used in the manufacture of surface active agents used in textile specialties, herbicides, and petroleum demulsifiers.
- As rubber chemicals intermediate.

- As emulsifier & dispersing agent in various agricultural chemicals, cosmetics, and pharmaceuticals.
- In the production of lubricants for the textile industry.
- As humectant and softening agent.
- Also used in buffer formulations and in some organic synthesis.

PACKAGING OPTIONS

Drums

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