## **Darwin Chemical Company**

600 N Pine Island Road Plantation FL 33324-1311



## **Ethylene Diamine 99%**

1,2 Ethylene Diamine

Catalog Nr. Q557

**Definition** Synonyms: alpha...omega.-Ethanediamine, .beta.-Aminoethylamine, 1,2-

Diaminoethane, 1,2-Ethanediamine, 1,4-Diazabutane,

Dimethylenediamine

**CAS Number** 107-15-3

**Application** 

Used primarily as an intermediate in the production of chelating agents, such as ethylenediaminetetraacetic acid (EDTA). Ethylenediamine is also used as an intermediate in the production of polyamide resins, ethylene bis-stearamide, gasoline and lube oil additives, cationic surfactants and fungicides. To a lesser extent EDA has been used as an intermediate in the production of fabric softeners and bleach activators

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Ethylenediamine is used within the pharmaceutical industry to produce aminophylline for the treatment of acute severe asthma

Technical Data

## **PROPERTIES**

Flash point: 40C (104F) CC
Appearance: Colorless liquid.
Odor: Amine-like odor.
Solubility: Soluble in water.
Specific Gravity: 0.89 @ 25C / 4C

pH: 11.9 25C (25% solution).

% Volatiles by volume @ 21C (70F): 100

Boiling Point: 117C (243F)
Melting Point: 8.5C (46F)

Vapor Density (Air=1): 2.07

Vapor Pressure (mm Hg): 10.7 @ 20C (68F)

Evaporation Rate (BuAc=1): 0.91

Packaging & Handling

413 Lb drums

UN Number 1604 Class 8 Packaging Group 2

## Remarks

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