



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

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