

# ETHYLENEDIAMINE



CAS Number: 107-15-3

Other Names: Ethane-1,2-diamine; Dimethylenediamine

Formula:  $C_2H_8N_2$

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## PRODUCT INTRODUCTION

Ethylenediamine is a single-component product with two primary nitrogen. It has an ammonia-like odor and is clear and colorless. Ethylenediamine readily reacts with moisture in humid air to produce a corrosive, toxic and irritating mist, to which even short exposures can cause serious damage to health

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## PHYSICAL AND CHEMICAL PROPERTIES

|                            |                                     |
|----------------------------|-------------------------------------|
| Appearance                 | Clear and free of suspended matters |
| Colour (APHA)              | 10 (max)                            |
| Specific Gravity (20/20°C) | 0.898                               |
| Purity (%)                 | 100.00 %                            |
| Initial Boiling Point      | 117 °C                              |
| Drying Point               | 119 °C                              |
| Water Content              | 0.06 %                              |

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## APPLICATIONS

- A most prominent derivative of ethylenediamine is the chelating agent EDTA
  - It is widely used in preparation of dyes, synthetic waxes, resins, insecticides and asphalt wetting agents.
  - It is used as a solvent, it is miscible with polar solvents and is used to solubilize proteins such as albumins and casein.
  - It is also used in certain electroplating baths.
  - It is used in the production of the bleaching activator tetraacetythylenediamine (TEAD)
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## PACKAGING OPTIONS

Drums

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