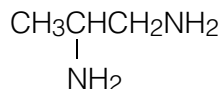


# 1,2-Propylenediamine

## Technical Data Sheet

January 1997

Formula:..... C<sub>3</sub>H<sub>10</sub>N<sub>2</sub>  
Molecular Weight:..... 74.1  
Product Number: ..... 550534  
CAS Registry Number:..... 78-90-0



### Description

1,2-Propylenediamine is a colorless liquid, free of suspended matter. It is miscible with water and nearly all common organic solvents except aliphatic hydrocarbons.

### Safety

1,2-Propylenediamine is corrosive to the skin and eyes. Contact results in strong irritation and burns. Ingestion may result in severe gastric disturbance. Inhalation may irritate the respiratory tract.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Customer Service:

EAST 1-800-426-8696  
WEST 1-800-543-1740

Chemical Intermediates

Product Specifications	Value	Test Method
Assay, % minimum	99.0	G.C.
Color, APHA maximum	20	Pt/Co
Impurities: Water, % maximum	0.5	Karl Fischer

### Physical Properties

Freezing point, °C	.....	- 37
Boiling range, °C	.....	120 - 123
Density @ 20°C, g/cm <sup>3</sup>	.....	0.87
Flash point, °C	.....	34
Weight/gallon, lbs.	.....	7.2

### Applications

Intermediate used in the production of:

- fuel and lubricant additives
- metal complexing agents
- fragrances
- textile, paper and leather auxiliaries
- emulsifiers

It is also used as a:

- hardener
- cross-linking agent for epoxy resins

### Packaging

Available in bulk containers and 381 lb (net weight) non-returnable steel drums.

### Storage & Handling

1,2-Propylenediamine has an almost unlimited shelf life in unopened, original containers when properly stored in a protected storage area. It must be protected from moisture. It is neither explosive nor spontaneously flammable in air. However, it is flammable, malodorous and corrosive.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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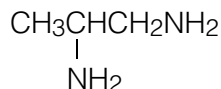
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