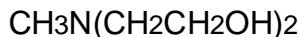


# Methyldiethanolamine

## Technical Data Sheet

March 2001

Formula: . . . . .  $C_5H_{13}NO_2$   
Molecular Weight: . . . . . 119.2  
Product Number: . . . . . 021721  
CAS Registry Number: . . . . . 105-59-9



Product Specifications	Value	Test Method
Assay, % minimum	98.5	G.C.
Water, % maximum	0.5	Karl Fischer
Color, APHA maximum	50	Pt/Co
Foreign matter	none	visual

Physical Properties	
Flash point, °C . . . . .	127
Melting point, °C . . . . .	- 55
Boiling point, °C . . . . .	247
Density @ 20°C, g/cm <sup>3</sup> . . . . .	1.04
Weight/gallon, lbs. . . . .	8.7

### Description

Methyldiethanolamine is a colorless to pale yellow liquid free of suspended matter. It is miscible with water and almost all common organic solvents.

### Safety

Methyldiethanolamine is corrosive to the skin and eyes. Contact may result in severe irritation or burns and may cause permanent eye damage. Ingestion may cause severe gastric disturbances. Inhalation of vapors or mists may irritate the respiratory tract and may result in pulmonary edema.

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

### Applications

Intermediate used in the production of:

- agricultural chemicals
- emulsifiers
- textile auxiliaries
- corrosion inhibitors
- dyes
- coatings
- pharmaceuticals

It is also used as a catalyst for producing polyurethane foam and for scrubbing acidic gases.

### Packaging

Available in bulk containers and 440 lb (net weight) non-returnable steel drums.

### Storage & Handling

Methyldiethanolamine has a storage life of about two years in unopened, original containers when properly stored in a protected storage area. On prolonged storage of the product in steel containers, the color value may increase. It is neither explosive nor spontaneously flammable in air. However, it is combustible.

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

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BASF Corporation  
Chemicals Division  
3000 Continental Drive - North  
Mount Olive, New Jersey 07828-1234  
World Wide Web: <http://www.basf.com>

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