

# Dimethylethylamine

## Technical Data Sheet

January 1995

Formula:..... C<sub>4</sub>H<sub>11</sub>N  
Molecular Weight ..... 73.1  
Product Number ..... 892901  
CAS Registry Number:.... 598-56-1



Product Specifications	Value	Test Method
Assay, % minimum	98.0	G.C.
Impurities:		
methylamine		G.C.
methanol		G.C.
water, % maximum	0.5	DIN 51 777

### Physical Properties

Boiling range, °C . . . . .	34 – 36
Density @ 20°C, g/cm <sup>3</sup> . . . . .	0.66
Flash point, °C . . . . .	– 45.5
Weight/gallon, lbs. . . . .	5.50

### Description

Dimethylethylamine is a colorless to yellow liquid free of suspended matter. It is miscible with water and most common organic solvents.

### Safety

Dimethylethylamine is a flammable liquid that is corrosive to the skin and eyes. Contact with eyes may result in severe burns, pain, swelling and possible corneal cloudiness. Permanent eye damage may result. Ingestion may result in severe gastric disturbances, including nausea and vomiting. Inhalation of vapors may irritate the respiratory tract.

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

### Applications

Intermediate used in the production of:

- quaternary ammonium compounds for textile auxiliaries
- disinfectants
- stabilizer for chlorinated hydrocarbons
- vinyl compounds

This product is also used as:

- a catalyst and curative for resin bound foundry cores
- an acid binder for condensation reactions

### Packaging

Available in 286 lb (net weight) non-returnable steel drums.

### Storage & Handling

Dimethylethylamine has an almost unlimited shelf life in unopened, original containers. It must be protected from light and heat. 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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