

# n-Butylamine

## Technical Data Sheet

February 1997

Formula:.....  $C_4H_{11}N$   
Molecular Weight ..... 73.1  
Product Number ..... 021771  
CAS Registry Number:.... 109-73-9



Product Specifications	Value	Test Method
Assay, % minimum	99.5	G.C.
Water, % maximum	0.5	Karl Fischer
Color, APHA, maximum	20	Pt/Co
Suspended matter	none	visual

### Physical Properties

Boiling range, °C	76 – 78
Freezing point, °C	- 50
Density @ 20°C, g/cm <sup>3</sup>	0.74
Flash point, °C	- 8.5
Ignition temperature, °C	290
Weight/gallon, lbs.	6.2

### Description

n-Butylamine is a colorless liquid, free of suspended matter. It is miscible with water and almost all common organic solvents.

### Safety

n-Butylamine is corrosive to the skin and eyes. Contact results in severe irritation or burns, and may cause permanent eye damage. Inhalation of vapors or mists irritates the respiratory tract and may result in headache, nausea, vomiting and pulmonary edema and may be fatal. n-Butylamine is absorbed through intact skin.

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

### Applications

Intermediate used in the production of:

- dye intermediates
- pharmaceuticals
- agricultural chemicals
- corrosion inhibitors
- plasticizers
- rubber chemicals

### Packaging

Available in bulk containers and 330 lb (net weight) non-returnable steel drums.

### Storage & Handling

n-Butylamine has an almost unlimited shelf life in unopened, original containers if protected from heat and properly stored in a protected storage area. 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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