Morpholine

Technical Data Sheet

March 2001

Formula: \( \text{C}_4\text{H}_9\text{NO} \)
Molecular Weight: 87.1
Product Number: 547141
CAS Registry Number: 110-91-8

Description
Morpholine is a colorless, hygroscopic liquid free of suspended matter. It is miscible with water and almost all common organic solvents, slightly soluble in aliphatic hydrocarbons.

Safety
Morpholine is corrosive to the skin and eyes. 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:
- pharmaceuticals
- agricultural chemicals
- dye intermediates
- textile chemicals
- paper chemicals
- rubber chemicals
- corrosion inhibitors
- optical brighteners
- emulsifiers
- plasticizers
- curing agents for epoxy resin
- photographic chemicals
- catalysts for polyurethane resins

Packaging
Available in tank trucks and 450 lb (net weight) nonreturnable steel drums.

Storage & Handling
Morpholine has a shelf life of at least one year in unopened, original containers when properly stored in a protected storage area. It is neither explosive nor spontaneously flammable in air. However, it is flammable and corrosive.

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

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Chemical Intermediates