

Morpholine

SYNONYMS:

1-oxa-4-azacyclohexane; tetrahydro-2H-1, 4-oxazine

CAS No: 110-91-8

MOLECULAR FORMULA: C4H9NO

PROPERTIES:

Morpholine is a colorless, oily, hygroscopic, volatile liquid with a characteristic amine odour. It is heavier than air and, as a result, the vapour can travel a significant distance to a source of ignition and "flash back".

Morpholine can undergo a diversity of chemical reactions. It is amino ether. The ether function of the molecule is typically inert and most of the reactions involve the secondary amine group.

SPECIFICATION:

Appearance Clear and substantially free of suspended matter

Color 15 max Morpholine, wt% 99.0 min

Specific gravity, $20/20^{\circ}$ C 1.001 min. -1.004 max

Water, wt% 0.3 max

USAGE:

Morpholine is a versatile chemical. It is important as a chemical intermediate in the rubber industry, as a corrosion inhibitor, and in the synthesis of optical brighteners, pharmaceutical products, crop protection agents, and dyes. Morpholine itself is a solvent for a large variety of organic materials, including resins, dyes, and waxes. It can be used as a catalyst. Morpholine is still used in some countries in toiletry and cosmetic products as a surfactant and emulsifier, at concentrations of up to 5%. It is used in some countries in several direct and indirect food additive applications.

PACKING

200Kgs net Drum.