

# Morpholine

## Product Description

Morpholine, CAS Number 110-91-8, is a colorless, mobile, hygroscopic liquid with a characteristic amine-like odor. It is completely miscible with water and a large number of organic solvents, and is itself a solvent for a large variety of organic materials, including resins, dyes, waxes, shellac, and casein.

Morpholine is an extremely versatile chemical with many important applications. It is used as an intermediate in the manufacture of rubber chemicals and optical brighteners. It is also used extensively as a corrosion inhibitor in steam boiler systems.

Fatty acid derivatives of morpholine are used as emulsifiers in the manufacture of waxes and polishes. Other derivatives have found applications as bactericides, pharmaceutical chemicals, and antioxidants for lubricating oils. Morpholine derivatives are particularly useful in the textile industry, where they are employed as textile lubricants and sizing emulsifiers.

Chemically, morpholine is an amino ether. The ether function of the molecule is typically inert and most of the reactions of morpholine involve the secondary amine group.

## Specifications

Appearance	Clear liquid, substantially free from suspended matter
PH	11
Specific Gravity	0.999-1.010
Color, Pt-Co scale	10±5
Morpholine, wt. %	99.5 min
Water, wt. %	1 max



021-88864998  
021-88865279  
0912-5248514



[www.asanchem.com](http://www.asanchem.com)



[@Asankimia](#)  
[asan.chem](#)  
[Asanchem](#)