

Morpholine

Synonyms: 1-Oxa-4-azacyclohexane ; Tetrahydro-2H-1,4-oxazine

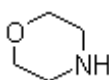
Molecular formula: C₄H₉NO

Molecular weight:87.12

CAS NO.: 110-91-8

EINECS 203-815-1

Molecular Structure:



Specification:

Items	Index
Active content, %	99% min
Boiling range(5-95%), °C	126-130
Color (APHA)	10 max
Moisture %	0.3 max

Applications

Morpholine are mainly used to manufacture rubber accelerant (such as NOBS, OTOS and MDS), sulfuration agent (like DT-DM), cleanser, descaling agent, antirust, anti-scorching agent, antiseptic, surfactant, textile printing & dyeing agent, optical bleaching agent, chemical plating bath, antioxidant, hydrolyzing agent, initiator, developer, fruit preserving agent, deodorizer, brightener and organic solvents. It is widely used in many industries such as medicine, pesticide, animal medicine, petroleum and extraction of coke aromatic hydrocarbons.

In foreign countries, a great deal of **morpholine** is used for antirust, descaling and metal cleaning, especially for antirust and anticorrosive in high temperature conditions. In boiler

maintenance fields, amount of morpholine is also used as descaling agent. Owing to its unique chemical characters, [**morpholine**](#) has become one of the most important fine petroleum chemical products.

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