

FURFURYL ALCOHOL



CAS Number: 98-00-0

Other Names: Furan-2-ylmethanol; 2-Furanmethanol;
2-Furancarbinol; 2-(Hydroxymethyl)furan

Formula: C₅H₆O₂

PRODUCT INTRODUCTION

Furfuryl alcohol is a furan bearing a hydroxymethyl substituent at the 2-position. It appears as a clear colorless liquid and possesses a faint odor of burning and a bitter taste. It is miscible with but unstable in water. It is soluble in common organic solvents. The basic raw materials for its manufacture are waste vegetable materials such as sugar cane bagasse, oat hulls, corn cobs and rice hulls.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to light yellow, Transparent Liquid
Purity (%)	98.21
Density (20°C g/mL)	1.131
Refractive Index	1.486
Moisture Content	0.18
Cloud Point (°C)	7.9
Acidity (mol/l)	0.0040
Residual Aldehyde	0.50

APPLICATIONS

- Furfuryl alcohol is the major ingredient in FURAN foundry binders. The flexibility of furfuryl alcohol as a binder base is enormous.
- It is commonly used as corrosion resistant fiber-reinforced plastics.
- It also acts a reactive solvent for phenolic resins in the refractory industry.
- Chemical building block for drug synthesis.
- Paint stripper and cleaning compound formulation also uses furfuryl alcohol.
- It is also used viscosity reducer for epoxy resins.

- Chemical feedstock for 5-membered oxygen heterocycles.
 - It also has applications in wood modification.
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PACKAGING OPTIONS

Drums

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