

Furfuryl Alcohol

Furan-based reactive liquid used in resin synthesis and foundry binder systems.

CAS 98-00-0	EC 202-626-1	Transport Class 6.1 · UN 2874 · PG III
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Product Information

Furfuryl alcohol is a reactive furan derivative used to produce furan resins and related intermediates. The liquid grade controls water, residual furfural, acidity, density and refractive index. These characteristics support incoming-material comparison and reaction control. Acid contact can promote polymerization and heat release, so storage and transfer equipment need appropriate segregation. The material is toxic and requires controlled ventilation and exposure protection. Its raw-material specification does not establish curing conditions or binder performance in a finished system.

Specifications

Parameter	Specification
Appearance	Clear, colorless to light yellow liquid
Assay	≥98.0 %
Water	≤0.3 %
Furfural	≤0.7 %
Acidity, as acetic acid	≤0.04 %
Cloud point	≤10 °C
Density, 20°C	1.129–1.135 g/cm ³
Refractive index, n _D 20	1.485–1.488

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₅ H ₆ O ₂
Molecular weight (component)	98.10 g/mol

Applications

Furan resin synthesis: Use as a monomer for appropriately controlled furan resin synthesis.

Foundry binder development: Evaluate the liquid grade in compatible foundry binder systems.

Chemical intermediates: Assess furfuryl alcohol as a reactive feedstock for suitable furan chemistry.

Packaging / Storage

Item	Information
Packaging	250 kg iron drums; 1,000 kg IBCs; source bulk option: 22–24 MT ISO tank.
Storage	Keep closed in a cool, dry, well-ventilated area, away from flames, oxidizers, acids, food and feed.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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