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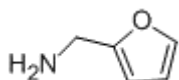
## Technical Data Sheet

### Furfurylamine

#### Product Information

Chemical Name Furfurylamine

Chemical Structure



CAS # 617-89-0  
EINECS 210-536-9  
Synonyms 1-(2-Furyl)methylamine

#### Description

Furfurylamine is a kind of colorless to light yellow liquid, with melting point  $-70^{\circ}\text{C}$ (lit), boiling point  $145-146^{\circ}\text{C}$ (lit). 2-Furfurylamine is used in the synthesis of 2-Amino-N-(2-furylmethyl)propanamide, as a novel alanylglycine equivalent synthesized by bacilysin synthetase. it is synthesized from furfural. The pharmaceutical drug furtrethonium, a parasymphomimetic cholinergic, is a derivative of furfurylamine.

#### Physical Properties

Appearance	Colorless to light yellow liquid
Melting point, $^{\circ}\text{C}$	$-70$ (lit)
Boiling point, $^{\circ}\text{C}$	$145-146^{\circ}\text{C}$ (lit.)
Flash point, $^{\circ}\text{F}$	116
Vapor pressure	4 mm Hg ( $20^{\circ}\text{C}$ )
Refractive index	n <sub>20</sub> /D 1.490(lit.)
Water Solubility	Soluble

### Specification

Appearance	Colorless to light yellow liquid
Assay	≥99.5%
Melting point	144--148℃
specific gravity( d204)	1.0570
refractive index (N20D)	1.4905-1.4908

### Applications

- 1) pharmaceutical grade: Furfurylamine is a kind of important pharmaceutical intermediates, it is necessary drugs for the treatment of severe edema.
- 2) Industry grade: Furfurylamine can be used as a corrosion inhibitor and scaling powder

### Packaging

200kg per plastic drum.

### Storage & Handling

Precautions:

Use spark-proof tools and explosion proof equipment.

Do not breathe dust, vapor, mist, or gas.

Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous.

Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood.

Storage:

Keep away from heat, sparks, and flame.

Keep away from sources of ignition. Store in a cool, dry place.

Store in a tightly closed container. Flammables-area. Corrosives area.