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 °C (lit), boiling point 145-146 °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 parasympathomimetic cholinergic, is a derivative of furfurylamine.

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless to light yellow liquid</td>
</tr>
<tr>
<td>Melting point, °C</td>
<td>-70 (lit)</td>
</tr>
<tr>
<td>Boiling point, °C</td>
<td>145-146 °C (lit.)</td>
</tr>
<tr>
<td>Flash point, °F</td>
<td>116</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>4 mm Hg (20 °C)</td>
</tr>
<tr>
<td>Refractive index</td>
<td>n20/D 1.490 (lit.)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble</td>
</tr>
</tbody>
</table>
**Specification**

- **Appearance**: Colorless to light yellow liquid
- **Assay**: $\geq 99.5\%$
- **Melting point**: 144–148°C
- **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.