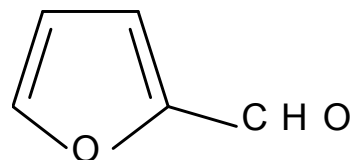


## 2-Furaldehyde



Formula:..... C<sub>5</sub>H<sub>4</sub>O<sub>2</sub>  
 Molecular Weight:..... 96.08  
 CAS Registry Number:..... 98-01-1  
 EINECS Number:..... 202-627-7

### Applications

Furaldehyde is a versatile starting material used in the synthesis of many pharmaceutical, agricultural and industrial chemicals. It is used in the formulation of many chemical and heat resistant thermoset resins. It is produced from a number of renewable bio-materials that contain five carbon sugars. Penn Specialty Chemicals, Inc. uniquely produces a high purity grade of furaldehyde.

### Health and Safety

Furaldehyde is a flammable liquid and contact should be avoided because of its toxic effects. Dispose of in accordance with regulations. Always consult the MSDS when using furaldehyde.

### Contact Information

United States:  
 3324 Chelsea Avenue • Memphis, TN 38108  
 Phone: 877-895-PENN • Fax: 901-320-4002  
 www.pennakem.com • Email: PennUSA@pennakem.com

Europe:  
 Merwedeweg 4 • Port # 5630 • NL-3198 LH Europoort • The Netherlands  
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 Email: PennEuro@pennakem.com • Check www.pennakem.com for European Agent Contacts

<b>Specifications</b>	<b>Value</b>
Assay, % minimum.....	98.0
Residue, wt% .....	0.5
Water, % maximum .....	0.2
Acidity, eq/l, maximum .....	0.020

### High Purity Furaldehyde

<b>Specifications</b>	<b>Value</b>
Assay, % minimum.....	99.0
Residue, wt%. .....	0.5
Water, % maximum .....	0.2
Acidity, eq/l, maximum .....	0.020
Methylfurfural, wt%.....	0.15

<b>Property</b>	<b>Value</b>
Boiling Point, °C.....	162
Vapor pressure, mm 25 °C .....	3
Freezing Point, °C .....	-36
Density (20°C) .....	1.16
Vapor density (air=1).....	3.3
Refractive Index (20°C) .....	1.5261
Flash Point (Tag. closed Cup), °C .....	60
Viscosity, cps 25 °C.....	1.49
Solubility in Water at 20°C, g/100g.....	8.3

### Availability and Shipping

Furaldehyde is available in bulk and in 55 gallon steel drums. Shipped as: Furaldehydes, 6.1, UN 1199, PG II, subsidiary risk 3, RQ. (Reportable quantity applies only to shipments in bulk packages). Label: Toxic, subsidiary Flammable liquid.