



Illovo Sugar - Technical Data Sheet
July 2004

FURFURAL

Furfuraldehyde, 2-Furaldehyde



Molecular Weight 96.09

Physical Description

Yellow liquid turning reddish-brown to black on exposure to air.
Distinctive odour, typical of aldehydes and particularly of almonds.

Specification

Furfural Assay, wt % minimum	99.2
Acidity, eq/l maximum	0.01
Water, wt % maximum	0.20
Specific Gravity at 20°C/20°C	1.1590 to 1.1625
Refractive Index at 20°C	1.5245 to 1.5261
Final Boiling Point, °C maximum	165
Vacuum Residue, wt % maximum	0.50

General Physical Data

Boiling Point at 760 mm Hg	161.7°C
Freezing Point	- 36.5°C
Viscosity at 25°C	1.49 cPs
Flash Point (closed cup)	59°C
Ignition Temperature	315°C
Solubility in:	
.....Water (wt % at 20°C)	8.3
.....Alcohol (wt % at 20°C)	∞
.....Ether (wt % at 20°C)	∞

Analytical methods available on request.

Packing

In Bulk, Drums or Isotainers
Drums - 245 kg Net Steel Drums

IMCO Class 6.1 - U.N. No. 1199 - Tariff Code 2932.12

The information given in this sheet is based on work in our laboratories as well as reported results of other workers in this field and is offered without guarantee and no patent liability is assumed.

