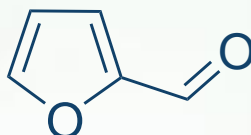


DATA SHEET

Furfural

Furfural



Chemical nature

Chemical name:	2-Furaldehyde
IUPAC name:	Furan-2-carbaldehyde
Synonyms:	2-Furfuraldehyde, furan-2-carbaldehyde, furan-2-carboxaldehyde, 2-furylmethanal, fural, 2-formyl furan, furanaldehyde, pyromucis aldehyde, ant oil
Molecular formula:	C ₅ H ₄ O ₂
Molecular weight:	96.09 g/mol
CAS number:	98-01-1
EC number:	202-627-7

EU REACH

Registration number:	01-2119486861-27-0002 (IFC) 01-2119486861-27-0000 (TFC)
----------------------	--

Delivery specifications

Parameter	Specification	Analysis method *
Furfural purity [%]	min. 99.0	AM 001
Acidity [mEq/L]	max. 20	AM 004
Acidity [mg KOH/g]	max. 0.96	AM 004
Moisture content [wt%]	max. 0.2	AM 003
Residue [wt%]	max. 0.50	AM 005

* Available on request

Physical data

Appearance:	light coloured to brown oily liquid
Odour:	characteristic: pungent, almond
Boiling point:	162°C
Flash point (closed cup):	60°C
Melting point / freezing point:	-37°C

pH:	3.5 - 4.5
Relative density (20°C/4°C):	1.16
Surface tension (20°C):	43.5 mN/m
Viscosity (25°C):	1.49 mPa.s
Vapour pressure (25°C):	0.333 kPa
Evaporation rate (ether = 1):	75
Solubility in water (20°C):	83 g/L
Partition coefficient <i>n</i> -octanol/water:	0.41
Auto-ignition temperature:	392°C
Heat of combustion:	24 410 kJ/kg

Applications

- Use as extraction agent in petroleum refining industry
- Use in the manufacturing of furan derivatives
- Use in the manufacturing of polymers
- Use in the manufacturing of abrasive wheels, brake linings and refractory products
- Use as intermediate in pesticide production

Packaging

Available in bulk (tank truck, ISO container), 1000 L IBC black/white (1000 kg net) and drum (200, 240 or 250 kg net)

Shelf life

The product should be stored under ambient conditions (max. 25°C), protected from exposure to direct sunlight, heat sources and air. Storage under nitrogen atmosphere is recommended. Drum lots may be stored for months without appreciable change in physical properties.

Shelf life: 12 months after production

Other information

UN number:	1199
ADR/ADN/RID hazard class:	6.1, code TF1
IMDG hazard class:	6.1
ICAO hazard class:	6.1
HS code:	2932.1200

Contact information

International Furan Chemicals B.V. Sales office

Rotterdam Airportplein 33
3045 AP Rotterdam, The Netherlands
T +31 10 238 0555
E sales@furan.com
I www.furan.com

TransFurans Chemicals BV Production & technical assistance

Industriepark Leukaard 2
2440 Geel, Belgium
T +32 14 57 87 47
E sales@transfurans.be
I www.transfurans.be

The data contained in this product data sheet are based on information currently available to us and believed to be factual and the opinions expressed to be those of qualified experts. TransFurans Chemicals BV makes no warranties of merchantability or fitness for a particular purpose or any express or implied warranty. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.



Our locations in the world

● commercial offices (IFC, TFUK en IFC NA)

● manufacturing location (TFC)