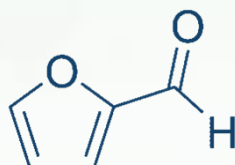


PRODUCT DATA SHEET

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 furanaldehyde, pyromucis aldehyde, ant oil
furan,	
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
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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

Packaging

Available in bulk (tank truck, ISO container), 1000 L IBC's white/black (1000 kg net) and drums (200 - 240 - 250 kg net)

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

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

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Our locations in the world

● commercial offices (IFC, TFUK en IFC NA)

○ manufacturing location (TFC)