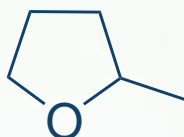


DATA SHEET

2-Methyltetrahydrofuran

2-Methyltetrahydrofuran



Chemical nature

Chemical name:	2-Methyltetrahydrofuran
IUPAC name:	2-Methyloxolane
Synonyms:	Tetrahydro-2-methylfuran, MeTHF
Molecular formula:	C ₅ H ₁₀ O
Molecular weight:	86.13 g/mol
CAS number:	96-47-9
EC number:	202-507-4

EU REACH

Registration number:	01-2119968920-28-XXXX (IFC) 01-2119968920-28-0009 (TFC)
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Delivery specifications

Parameter	Specification	Analysis method *
2-Methyltetrahydrofuran purity (excl. BHT) [%]	min. 99.9	AM 112
Butylated Hydroxytoluene (BHT) [ppm]	150 - 400	AM 131
Moisture content [wt%]	max. 0.03	AM 110
Peroxides (as H ₂ O ₂) [ppm]	max. 15	AM 111
APHA colour	max. 20	AM 109

* Available on request

Physical data

Appearance:	clear, colourless, transparent liquid
Odour:	ether like
Boiling point:	78°C
Flash point (closed cup):	-10°C
Melting point/freezing point:	-136°C
Refractive Index (20°C):	1.405-1.407
Relative density (20°C/4°C):	0.84-0.86

Viscosity (20°C):	0.576 mm ² /s
Vapour pressure (25°C):	14 kPa
Evaporation rate (<i>n</i> -butylacetate = 1):	4.2
Auto-ignition temperature:	260°C
Latent heat of vaporization (20°C):	89.7 cal/g
Solubility in water (20°C):	14 wt%
Solubility of water in MeTHF (20°C):	4.4 wt%
Partition coefficient <i>n</i> -octanol/water:	1.1
Water azeotrope boiling point:	71°C (89.4 wt% MeTHF, 10.6 wt% water)
Hansen solubility parameter:	
• Non-polar:	8.3
• Polar:	1.9
• Hydrogen bond:	3.0
• Total:	8.9
Solubility of MgBr ₂ (25°C):	40
Dielectric constant (25°C):	7.0
Donicity:	18 kcal/mol

Applications

Use as solvent in chemical synthesis, for grignard reactions or organometallic reactions
Use in solvent recovery, as an extraction solvent
Use as additive in bio-fuels

Packaging

Available in bulk (ISO container) and drum (170 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.

Shelf life: 24 months after production (with stabilizer)

Other information

UN number:	2536
ADR/ADN/RID hazard class:	3, code F1
IMDG hazard class:	3
ICAO hazard class:	3
HS code:	2932.1900

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

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Our locations in the world

● commercial offices (IFC, TFUK en IFC NA)

● manufacturing location (TFC)