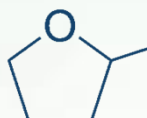


PRODUCT DATA SHEET

2-Methyltetrahydrofuran

2-Methyltetrahydrofuran



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

Delivery specifications

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

* Available on request

Packaging

Available in drums (170 kg net)

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):	1.4046-1.4066
Relative density (20°C/4°C):	0.855
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
Use in solvent recovery
Use as intermediate
Use as laboratory reagent

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
F +31 10 238 0550
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
F +32 14 57 87 67
E sales@transfurans.be
I www.transfurans.be



Our locations in the world

● **commercial offices** (IFC, TFUK en IFC NA)

○ **manufacturing location** (TFC)