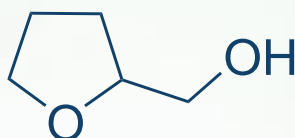


DATA SHEET

Tetrahydrofurfuryl Alcohol

Tetrahydrofurfuryl Alcohol



Chemical nature

Chemical name:	Tetrahydrofurfuryl alcohol
IUPAC name:	(Oxolan-2-yl)methanol
Synonyms:	Tetrahydrofuran-2-yl methanol, THFA, 2-hydroxy-methyltetrahydrofuran, tetrahydro-2-furan-carbinol, tetrahydro-2-furylmethanol
Molecular formula:	C ₅ H ₁₀ O ₂
Molecular weight:	102.13 g/mol
CAS number:	97-99-4
EC number:	202-625-6

EU REACH

Registration number:	01-2119968921-26-0009 (IFC)
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Delivery specifications

Parameter	Specification	Analysis method *
Tetrahydrofurfuryl Alcohol purity [%]	min. 99.0	AM 115
Furfuryl Alcohol [%]	max. 0.08	AM 115
1,2-Pentanediol [%]	max. 0.30	AM 115
Moisture content [wt%]	max. 0.10	AM 114
APHA colour	max. 20	AM 113

* Available on request

Physical data

Appearance:	colourless to light-yellow liquid
Boiling point:	178°C
Flash point:	73°C (closed cup), 84°C (open cup)
Melting point/freezing point:	< -120°C
pH:	5 - 6 (250 g/L in water)
Refractive index (20°C):	1.449 - 1.453

Relative density (20°C/4°C):	1.052
Relative density (20°C/20°C):	1.054 - 1.056
Viscosity (20°C):	6.4 mPa.s
Vapour pressure (25°C):	0.142 kPa
Evaporation rate (butyl acetate = 1):	0.03
Auto-ignition temperature:	282°C
Heat of vaporization:	120.6 cal/g
Solubility in water:	miscible
Soluble in:	ethanol, ether, chloroform, methanol, 1-propanol, iso-amyl alcohol, ethyl acetate
Partition coefficient <i>n</i> -octanol/water:	-0.14
Hansen solubility parameter:	
• Non-polar:	9.8
• Polar:	5.0
• Hydrogen bonding:	7.8
Dielectric constant (23°C):	13.6

Applications

Use as (cleaning) solvent, a.o. in electronics industry

Use as synthetic intermediate

Use in resins (prepolymers), sealants and adhesives

Use as laboratory reagent

Use in the formulation of agrochemicals

Packaging

Available in bulk (ISO container) and drum (210 or 220 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 date

Other information

HS code: 2932.1300

Contact information

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Our locations in the world

● commercial offices (IFC, TFUK en IFC NA)

● manufacturing location (TFC)