



FURCHEM B.V.

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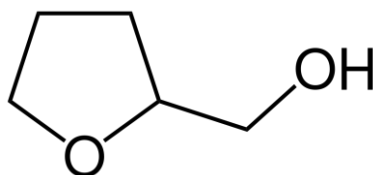
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TETRAHYDROFURFURYL ALCOHOL

Technical Data Sheet



Chemical nature

Chemical Name:

Tetrahydrofurfuryl Alcohol

IUPAC Name:

(Oxolan-2-yl) methanol

Synonyms:

Tetrahydrofuran-2-yl methanol, THFA, 2-hydroxy-methyltetrahydrofuran, tetrahydro-2-furancarbinol, tetrahydro-2-furylmethanol

Molecular formula:

C₅H₁₀O₂

Molecular weight:

102.13 g/mol

EC number:

202-625-6

CAS number:

97-99-4

Specifications

Parameter	Specification
Tetrahydrofurfuryl Alcohol purity	99% min.
Furfuryl Alcohol content	0.08% max.
1,2-Pentanediol content	0.30% max.
Moisture content	0.10% max.
APHA colour	20 max.

Other information

HS code:

29321300



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Physical data

Appearance:	colourless to light-yellow liquid
Boiling point:	178°C
Flash point:	73°C (closed cup), 84°C (open cup)
Melting/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 n-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

Packing

Packing in 220Kgs net weight drums or ISO-Tank or IBC's

Shelf life

The products 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