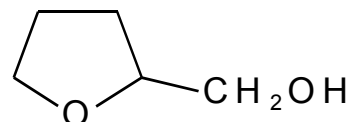


Tetrahydrofurfuryl Alcohol (THFA®)



Formula:..... C₅H₁₀O₂
 Molecular Weight:..... 102.13
 CAS Registry Number:..... 97-99-4
 EINECS Number:..... 202-625-6

Applications

THFA is a low cost, biodegradable solvent/adjuvant with many agricultural and industrial applications.

Some important properties of THFA are:

- Water-miscible liquid having very low odor
- Low vapor pressure/low evaporation rate
- High solvency for active ingredients
- Low freezing point
- High flash point (183°F/84°C)
- Readily biodegradable with low toxicity
- Low viscosity even at reduced temperatures
- Excellent penetration ability
- Low phytotoxicity
- EPA approved solvent exempt from the requirements of a tolerance for both pre- and post-harvest applications under 40 CFR 180.910 (formerly 40 CFR 180.1001(c))
- Not listed as a carcinogen by NTP, IARC or by California Proposition 65
- Cleared for Ag-use under California Rule 66
- Not on hazardous air pollutant (HAP) list
- FEMA GRAS listing
- Direct and indirect food contact listing

These favorable properties make THFA a preferred choice for agricultural, cleaning, coating and paint stripper formulations.

Contact Information

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Health and Safety

THFA is not listed as a carcinogen by NTP or IARC. It is not on SARA. THFA is not classified as a hazardous waste by the EPA. Always consult the MSDS when using THFA.

Specifications

Specifications	Value
Assay, % minimum.....	98.0
Furfuryl alcohol, % maximum.....	0.1
1,2-Pentanediol, % maximum.....	1.6
Water, % maximum.....	0.3
APHA maximum.....	50

Property

Property	Value
Boiling Point, °C.....	178
Freezing Point, °C.....	below -80
Density (20°C).....	1.054
Refractive Index (20°C).....	1.452
Latent Heat of Vaporization, cal/g.....	120.6
Flash Point (Tag. open Cup), °C.....	84
Solubility in Water at 25°C, g/100g.....	miscible
Relative evaporation rate (n-butylacetate 1.00).....	0.03
Hansen Solubility Parameters	
Nonpolar.....	9.8
Polar.....	5.0
Hydrogen bonding.....	7.8

Availability and Shipping

THFA is available in bulk, in 55 gallon steel drums (475 lbs, 216 Kg) and 5 gallon steel pails (40 lbs, 18 Kg). The DOT code number for THFA is UN1987.49CFR173.150: Combustible liquids in non-bulk packaging are not regulated by DOT