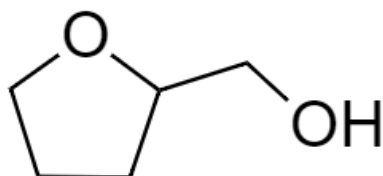


## Tetrahydrofurfuryl alcohol (THFA)



**Tetrahydrofurfuryl alcohol** is a clear, colorless liquid. Tetrahydrofurfuryl Alcohol is considered by many as a green solvent. The primary use of furfuryl alcohol is as a monomer for the synthesis of furan resins. Other applications include biocide and pesticide formulations, stripping formulations, electronic cleaners, coatings, dyes and printing ink.

### CAS number

97-99-4

### Synonyms

oxolan-2-yl methanol

### Product code

000-0127

### Typical Physical Properties of THFA

Molecular Weight	102.13 g/mol
Empirical Formula	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>
Appearance	Colorless Liquid
Freezing Point	-80°C (-112°F)
Boiling Point @ 760mm Hg	178°C (352°F)
Flash Point – Closed Cup	75°C (167 °F)
Autoignition Temperature	282°C (540°F)
Density @ 20°C	1.05 kg/L 8.76 lb/gal
Vapor Pressure @ 25°C	0.8 mmHg
Vapor Density (air = 1)	3.5
Solubility in Water @ 20°C	100%
Surface Tension @ 25°C	37 dynes/cm
Refractive Index @ 20°C	1.452
Viscosity @ 20°C	6.42 cP

Note: The properties reported above are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

## Health and safety information

Under current U.S. OSHA's Hazardous Communication program THFA is classified as a combustible liquid. Keep the material away from heat sources, hot surfaces, open flames, and sparks. Use only in a well-ventilated area.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

## Storage and Handling

General industry practice is to store THFA in carbon steel vessels. Storage in properly lined steel or stainless steel to avoid slight discoloration from carbon steel is recommended. Product stored or delivered in unlined carbon steel vessels must be filtered due to technically unavoidable particles.

THFA should be stored under a nitrogen blanket when available. Avoid contact with air when storing for long periods of time. This product may absorb water if exposed to air.

THFA should be stored only in tightly closed, properly vented containers away from heat, sparks, open flame or strong oxidizing agents. Use only non-sparking tools. Containers should be grounded before beginning transfer. Electrical equipment should conform to national electric code. Handle empty containers carefully. Flammable combustible residue remains after emptying.

Provided proper storage and handling precautions are taken, THFA manufactured and delivered by Monument Chemical is stable for at least 12 months from the date of manufacture. THFA that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf life studies. Product past the

retest date should be evaluated to confirm that all specifications are within their limits before use.

## Additional Information

To learn more about Monument Chemical and the products and services we offer please visit our website at [www.monumentchemical.com](http://www.monumentchemical.com).

Effective Date: 10/29/2021

Revision: 2

## Disclaimers

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, email [SDS@monumentchemical.com](mailto:SDS@monumentchemical.com). Before using or handling this product, the SDS should be thoroughly reviewed.

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