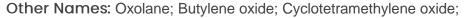
## **TETRAHYDROFURAN**

CAS Number: 109-99-9



Diethylene oxide; Tetra-methylene oxide; 1,4-Epoxybutane; Oxacyclopentane

Formula: C<sub>4</sub>H<sub>8</sub>O or (CH<sub>2</sub>)<sub>3</sub>CH<sub>2</sub>O

## PRODUCT INTRODUCTION

Tetrahydrofuran (THF) is a clear, colourless, volatile, and water-miscible liquid. It has low viscosity at standard temperature and has the formula  $C_4H_8O$ . It has smell similar to diethyl ether and is one of the most polar ethers.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Liquid		
Purity	99.993 wt %		
Color	< 5 APHA		
Moisture	52 ppm		
Peroxides	8 ppm		
Specific Gravity (20/4°C)	0.88746		
Refractive Index	1.4071		

## **APPLICATIONS**

- Tetrahydrofuran has many uses in the industrial marketplace. It is a versatile industrial solvent for natural and synthetic resins and is a solvent used in the production of nylon. It is also an industrial solvent for PVC.
- Tetrahydrofuran is also a valuable chemical intermediate as it is a precursor to polymers, such as poly (tetramethylene ether) glycol.
- The primary use of this polymer is the production of elastomeric polyurethane fibres like Spandex.
- It is also an intermediate in the natural gas industry where it is a natural gas odourant.
- It is also used as a reaction medium, primarily in the pharmaceutical industry, in processes such as Grignard syntheses or lithium aluminum hydride reductions.



PACKAGING OPTIONS		
Drums		

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