TETRAHYDROFURAN

CAS Number: 109-99-9

Other Names: Oxolane; Butylene oxide; Cyclotetramethylene oxide; Diethylene oxide; Tetra-methylene oxide; 1,4-Epoxybutane; Oxacyclopentane

Formula: C_4H_8O or $(CH_2)_3CH_2O$

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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