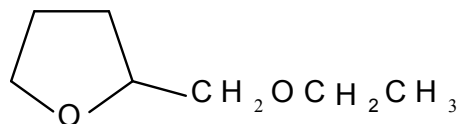


2-Ethyltetrahydrofurfuryl ether



Formula:..... C₇H₁₄O₂
 Molecular Weight:..... 130.19
 CAS Registry Number:..... 62435-71-6
 EINECS Number:..... not listed

Applications

Ethyltetrahydrofurfuryl ether (ETE) is a colorless liquid with an ether like odor. It is a strong aprotic polar solvent with limited miscibility with water and is used in coatings, paint strippers and cleaning formulations. ETE is a bidentate coordinating ether that dramatically affects organolithium structures and reactivities. ETE is especially useful in controlling the structure of polymers produced from anionic polymerization of dienes (butadiene, isoprene), styrene-diene copolymers, hydrogenated styrene-butadiene block copolymers and liquid polybutadienes. In these systems, ETE is used as a modifier for the organolithium catalyst to increase the level of 1,2-microstructure (vinyl structure) in the polyene.

Health and Safety

Ethyltetrahydrofurfuryl ether is a flammable liquid. Protect from oxygen as peroxides will form. Always consult the MSDS when using ethyltetrahydrofurfuryl ether.

Specifications	Value
Assay, % minimum.....	96.0
Water, % maximum.....	1.0
Tetrahydrofurfuryl alcohol, wt% maximum.....	1.6
Antioxidant, BHT, ppm.....	150-400

Property	Value
Boiling Point, °C.....	156
Density (20 °C).....	0.94
Vapor pressure, mm 20 °C.....	1
Evaporation rate (butylacetate=1).....	0.25
Vapor density (air=1).....	4.5
Viscosity, cps 25 °C.....	1
Refractive Index (25°C).....	1.424
Flash Point (Tag closed cup), °C.....	40
Solubility in Water at 20°C, g/100g.....	15

Availability and Shipping

Ethyltetrahydrofurfuryl ether is available in bulk, 55 gallon drums and 5 gallon cans. Shipped as: Ethers, N.O.S. (Ethyltetrahydrofurfuryl ether), 3, UN 3271, PG III. Label: Flammable liquid.

Contact Information

United States:
 3324 Chelsea Avenue • Memphis, TN 38108
 Phone: 877-895-PENN • Fax: 901-320-4002
 www.pennakem.com • Email: PennUSA@pennakem.com

Europe:
 Merwedeweg 4 • Port # 5630 • NL-3198 LH Europoort • The Netherlands
 Phone: 0031 181 261 110 • Fax: 0031 181 261 140
 Email: PennEuro@pennakem.com • Check www.pennakem.com for European Agent Contacts