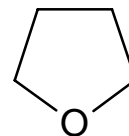


Tetrahydrofuran



Formula:..... C₄H₈O
Molecular Weight:..... 72.1
CAS Registry Number:..... 109-99-9
EINECS Number:..... 203-726-8

Specifications	Value
Assay, % minimum.....	99.95
Water, ppm.....	150
Antioxidant, BHT ppm.....	250-400

Applications

THF is a widely used aprotic solvent for Grignard and other organometallic reactions. THF is also used as a solvent for polymers in adhesive and coating applications. Unlike most commercial THF, THF from Pennakem is made from renewable chemicals.

Property	Value
Boiling Point, °C.....	66
Freezing Point, °C.....	-108
Density (20°C).....	0.888
Refractive Index (20°C).....	1.407
Latent Heat of Vaporization, cal/g.....	98
Flash Point (Tag. Closed Cup), °C.....	-14
Solubility in Water at 20°C, wt%.....	soluble

Health and Safety

THF is a flammable liquid with a mildly irritating odor. THF vapors, when mixed with air, are flammable when exposed to ignition sources. It should be handled only after consulting the material safety data sheet. If spilled, THF has a CERCLA reportable quantity of 1000 pounds because of its low flash point. THF could carry an EPA waste code of D001 for ignitability.

Availability and Shipping

The DOT HM 181 shipping name for THF is tetrahydrofuran. It is a hazard class three (3) flammable liquid, Packing Group II material that requires a red flammable liquid label. The ID Number is UN 2056. Consult the MSDS for additional shipping information. THF is available in bulk, in 55 gallon steel drums (400 lbs; 182 kg) and 5 gallon steel pails (35 lbs, 16 kg) net weights.

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