



>>Entry Name: Dipropyl ether, 8CI

Synonym(s): 1,1'-Oxybispropane, 9CI

CAS Registry Number: 111-43-3

H3CCH2CH2OCH2CH2CH3

Molecular Formula: C<sub>6</sub>H<sub>14</sub>O

Molecular Weight: 102.176

Accurate Mass: 102.104465

Percentage Composition: C 70.53%; H 13.81%; O 15.66%

Physical Description: Liq.

Melting Point: Mp -122°

Boiling Point: Bp 90.1°

Density: d<sub>4</sub><sup>20</sup> 0.75

**Hazard & Toxicity:** Highly flammable, fl. p. <21°, autoignition temp. 188/215°. Peroxidizable. LC<sub>50</sub> (mus, ihl) 163 mg m<sup>-3</sup> (15 min exposure)

Aldrich: 11133-3

Fluka: 43470

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 317B, (nmr)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 203B, (ir)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 265C, (ir)

Wuyts, H. *et al.*, *Bull. Soc. Chim. Belg.*, 1930, **39**, 157, (synth)

Benedict, D.R. *et al.*, *Synthesis*, 1979, 428, (synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, PNM000

Bretherick, L., *Handbook of Reactive Chemical Hazards, 4th edn.*, Butterworths, 1990, 2389