



>>Entry Name: 1,1'-Oxybis[2-(2-chloroethoxy)ethane], 9Cl

Synonym(s): Bis[2-(2-chloroethoxy)ethyl] ether, 8Cl. 1,11-Dichloro-3,6,9-trioxaundecane

CAS Registry Number: 638-56-2

(ClCH₂CH₂OCH₂CH₂)₂O

Molecular Formula: C₈H₁₆Cl₂O₃

Molecular Weight: 231.118

Accurate Mass: 230.047649

Percentage Composition: C 41.58%; H 6.98%; Cl 30.68%; O 20.77%

Use/Importance: Used in the synth. of cyclic polyethers

Physical Description: Yellow liq.

Boiling Point: Bp 218°. Bp_{0.4} 95°

Hazard & Toxicity: LD₅₀ (rat, orl) 180 mg/kg. Fl. p. >121°

Fluka: 14625

References:

Rempp, P. *et al.*, *Bull. Soc. Chim. Fr.*, 1957, 844, (*synth*)

Pedersen, C.J. *et al.*, *J.A.C.S.*, 1967, **89**, 7017, (*synth*)

Prelog, V. *et al.*, *Helv. Chim. Acta*, 1979, **62**, 2285, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 418