



>>Entry Name: Di-*tert*-butylchlorosilane, 8Cl

Synonym(s): Chlorobis(1,1-dimethylethyl)silane, 9Cl

CAS Registry Number: 56310-18-0

(Me₃C)₂SiHCl

Molecular Formula: C₈H₁₉ClSi

Molecular Weight: 178.776

Accurate Mass: 178.094454

Percentage Composition: C 53.75%; H 10.71%; Cl 19.83%; Si 15.71%

Source/Synthesis: Synth. from Bu^tMgCl + HSiCl₃

Physical Description: Liq.

Boiling Point: Bp 168°. Bp₁₀ 38-40°

Aldrich: 29693-7

Fluka: 34650

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 642A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1629C, (*ir*)

Doyle, M.P. *et al.*, *J.A.C.S.*, 1975, **97**, 3777, (*synth, ir, ms, pmr*)

Triplett, K. *et al.*, *J. Organomet. Chem.*, 1976, **107**, 23, (*synth, ir, pmr*)

Weidenbruch, M.E. *et al.*, *J. Organomet. Chem.*, 1977, **141**, 9, (*synth, ir, pmr*)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1996, **2**, 210-213, (*synth, ir, pmr*)