



>>Entry Name: Chlorotriisopropylsilane, 8Cl

Synonym(s): Chlorotris(1-methylethyl)silane, 9Cl

CAS Registry Number: 13154-24-0

(Me₂CH)₃SiCl

Molecular Formula: C₉H₂₁ClSi

Molecular Weight: 192.803

Accurate Mass: 192.110104

Percentage Composition: C 56.07%; H 10.98%; Cl 18.39%; Si 14.57%

Source/Synthesis: Synth. from PrⁱMgCl + SiCl₄

Physical Description: Liq.

Boiling Point: Bp₁₀ 80°. Bp₄ 47°

Aldrich: 24172-5

Fluka: 92090

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1104B, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 643C, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1631C, (*ir*)

Mares, F. *et al.*, *J. Organomet. Chem.*, 1966, **6**, 327, (*synth*)

Cunico, R.F. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1974, **4**, 23, (*synth*)

Weidenbruch, M. *et al.*, *J. Organomet. Chem.*, 1975, **90**, 145, (*synth, pmr*)

Landi, J.J. *et al.*, *Synth. Commun.*, 1991, **21**, 167, (*use*)

Chawla, R. *et al.*, *Synth. Commun.*, 1999, 3499-3501, (*synth*)