



>>Entry Name: Chloropentamethyldisilane, 9Cl, 8Cl

CAS Registry Number: 1560-28-7

Me3SiSiMe2Cl

Molecular Formula: C5H15ClSi2

Molecular Weight: 166.797

Accurate Mass: 166.040081

Percentage Composition: C 36.00%; H 9.06%; Cl 21.25%; Si 33.68%

Source/Synthesis: Synth. from Me3SiSiMe3 + AcCl + AlCl3

Use/Importance: Precursor to (chloromethyl)oligosilanes

Physical Description: Thermally stable but moisture-sensitive liq.

Boiling Point: Bp 134-135°

Density: d_4^{20} 0.868

Refractive Index: n_D^{20} 1.4430

References:

West, R. *et al.*, *J. Organomet. Chem.*, 1967, **8**, 79, (*pmr*)

Bettler, C.R. *et al.*, *Inorg. Chem.*, 1970, **9**, 1060, (*synth*)

Ishikawa, M. *et al.*, *J. Organomet. Chem.*, 1970, **23**, 63, (*synth*)

Boberski, W.G. *et al.*, *J.A.C.S.*, 1974, **96**, 1244, (*synth*)

Middlecamp, C.H. *et al.*, *J. Organomet. Chem.*, 1977, **140**, 133, (*ms*)

Stanislawski, D.A. *et al.*, *J. Organomet. Chem.*, 1980, **204**, 307, (*cmr*, *Si-29 nmr*)

Organomet. Synth., 1986, **3**, 496, (*synth*, *pmr*)

Kobayashi, T. *et al.*, *Organometallics*, 1990, **8**, 2201, (*use*)