



>>Entry Name: Bis(chloromethyl)dimethylsilane, 9Cl

CAS Registry Number: 2917-46-6

$\text{Me}_2\text{Si}(\text{CH}_2\text{Cl})_2$

Molecular Formula:  $\text{C}_4\text{H}_{10}\text{Cl}_2\text{Si}$

Molecular Weight: 157.114

Accurate Mass: 155.992881

Percentage Composition: C 30.58%; H 6.42%; Cl 45.13%; Si 17.88%

Source/Synthesis: Synth. from  $\text{ClSiMe}(\text{CH}_2\text{Cl})_2 + \text{MeMgBr}$

Use/Importance: Commercially available, synthetic reagent via its Grignard

Physical Description: Liq.

Boiling Point:  $\text{Bp}_{724} 160^\circ$

Density:  $d_4^{25} 1.08$

Refractive Index:  $n_D^{25} 1.4579$

Aldrich: 22106-6

Fluka: 14650

#### References:

*Aldrich Library of  $^{13}\text{C}$  and  $^1\text{H}$  FT NMR Spectra*, 1992, **3**, 640C, (*nmr*)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 1100A, (*ir*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 1628D, (*ir*)

Speier, J.L. *et al.*, *J.A.C.S.*, 1948, **70**, 1400, (*synth*)

Goubeau, J. *et al.*, *Z. Anorg. Allg. Chem.*, 1962, **318**, 287, (*ir*)

Nagai, Y. *et al.*, *Tetrahedron*, 1970, **26**, 2791, (*pmr*)

Voronkov, M.G. *et al.*, *Coll. Czech. Chem. Comm.*, 1976, **41**, 2718, (*Cl-35 nqr*)

Tikkanen, W.R. *et al.*, *Organometallics*, 1984, **3**, 825, (*reactions*)

Alyea, E.C. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1988, **18**, 163, (*reactions*)