>>**Entry Name: Dichlorophenylsilane,** 9Cl

CAS Registry Number: 1631-84-1

$PhSiCl_2H$

Molecular Formula: $C_6H_6Cl_2Si$
Molecular Weight: 177.104
Accurate Mass: 175.961581
Percentage Composition: C 40.69%; H 3.41%; Cl 40.04%; Si 15.86%
Source/Synthesis: Synth. from $HSiCl_3$ + PhMgBr
Use/Importance: Commercially available; catalyst for polym. of alkenes; hydrosilylating agent for alkenes in presence of Pt catalyst
Physical Description: Liq.
Boiling Point: Bp_{25} 118-119°
Density: d_4^{20}1.211
Refractive Index: n_D^{20} 1.5246

Aldrich: 40346-6
Fluka: 78377

References:

Emeléus, H.J. *et al.*, *J.C.S.*, 1947, 1592, *(synth)*
Thompson, H.W.*, Spectrochim. Acta*, 1960, **16**, 238, *(ir)*
Metras, F. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 1423, *(synth)*
Jensen, M.A. *et al.*, *J. Organomet. Chem.*, 1968, **11**, 423, *(pmr)*
Mawaziny, S.*, J.C.S.(A)*, 1970, 1641, *(synth)*
Nogaideli, A.I. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1975, **45**, 1283, *(use, hydrosilylation of alkenes)*
Rakita, P.E. *et al.*, *J. Organomet. Chem.*, 1976, **104**, 27, *(cmr)*
Parr, W.J.E. *et al.*, *Can. J. Chem.*, 1977, **55**, 557, *(pmr)*
Bochkarev, V.N. *et al.*, *Zh. Obshch. Khim.*, 1981, **51**, 824, *(ms)*
Polish Pat., 1984, 127; 132; *CA*, **102**, 204451, *(use, hydrosilylation)*
Eur. Pat., 1985, 132; 288; *CA*, **102**, 204466, *(use, polym)*