



>>Entry Name: (Diethylamino)dimethylsilane

Synonym(s): *N,N*-Diethyl-1,1-dimethylsilanamine, 9CI. *N,N*-Diethyl-1,1-dimethylsilylamine

CAS Registry Number: 13686-66-3

Me₂SiH(NEt₂)

Molecular Formula: C₆H₁₇NSi

Molecular Weight: 131.292

Accurate Mass: 131.113026

Percentage Composition: C 54.89%; H 13.05%; N 10.67%; Si 21.39%

Source/Synthesis: Synth. from Me₂SiHCl + NHEt₂

Physical Description: Liq.

Boiling Point: Bp 110°

Refractive Index: n_D²⁵ 1.4089

Other Data: Ir ν_{SiH} 2120 cm⁻¹

References:

Andrianov, K.A. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1966, **12**, 2229; *CA*, **66**, 76070, (*synth*)

Dennis, W.E. *et al.*, *J.O.C.*, 1970, **35**, 3879, (*synth*)

Filleux-Blanchard, M.L. *et al.*, *Org. Magn. Reson.*, 1979, **12**, 12, (*nmr*)

Gu, T.Y.Y. *et al.*, *J. Organomet. Chem.*, 1980, **184**, 7, (*ir, ms, pmr*)