



>>Entry Name: 1,1,3,3-Tetramethyl-1,3-diphenyldisiloxane, 9CI

Synonym(s): Oxybis[dimethylphenylsilane]. Bis(dimethylphenylsilyl) ether

CAS Registry Number: 56-33-7

PhSiMe₂OSiMe₂Ph

Molecular Formula: C₁₆H₂₂OSi₂

Molecular Weight: 286.52

Accurate Mass: 286.120919

Percentage Composition: C 67.07%; H 7.74%; O 5.58%; Si 19.60%

Source/Synthesis: Synth. from diphenylmethyl(1-naphthyl)silane, ClSO₃SiMe₃ and H₂O

Physical Description: Liq.

Boiling Point: Bp₁ 110-111°

Fluka: 43342

References:

Bonnet, J.-C. *et al.*, *Bull. Soc. Chim. Fr.*, 1972, 3561, (*synth*)

Hopper, S.P. *et al.*, *J. Organomet. Chem.*, 1974, **80**, C21, (*synth*)

Gladyshev, E.N. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1976, 204, (*synth*)

Corriu, R.J. *et al.*, *Bull. Soc. Chim. Fr.*, 1977, 1249, (*synth*)

Soysa, H.S.D. *et al.*, *J. Organomet. Chem.*, 1979, **173**, 269, (*synth*)

Larson, G.L. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1981, **11**, 173, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DWN150