



>>Entry Name: Octamethyltrisiloxane, 9Cl, 8Cl
Synonym(s): Dimethylbis(trimethylsilyloxy)silane

CAS Registry Number: 107-51-7
(Me₃SiO)₂SiMe₂

Molecular Formula: C₈H₂₄O₂Si₃
Molecular Weight: 236.533
Accurate Mass: 236.108411
Percentage Composition: C 40.62%; H 10.23%; O 13.53%; Si 35.62%
Source/Synthesis: Synth. from Me₂SiCl₂ + Me₃SiOLi
Physical Description: Liq.
Boiling Point: Bp 153-154° (Bp₇₁₈ 150°)
Density: d₄²⁰ 0.82
Refractive Index: n_D²⁰ 1.3851

Aldrich: 46931-9
Fluka: 74815

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1102C, (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1650C, (*ir*)
Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 990A, (*nmr*)
Seyferth, D. *et al.*, *Inorg. Chem.*, 1963, **2**, 418, (*synth*)
Akhrem, I.S. *et al.*, *J. Organomet. Chem.*, 1974, **72**, 163, (*synth*)
Voronkov, M.G. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1976, **227**, 198; 218, (*synth, pmr, ir*)
Schraml, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1981, **46**, 377, (*Si-29 nmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 875