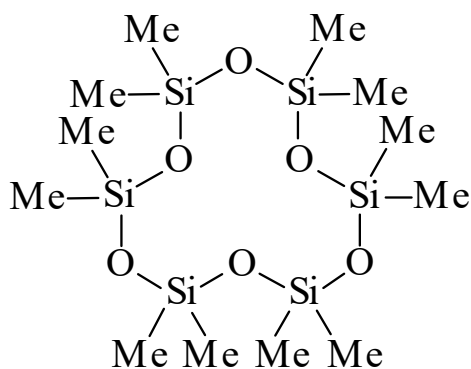




>>Entry Name: Dodecamethylcyclohexasiloxane, 11Cl, 9Cl



CAS Registry Number: 540-97-6

Molecular Formula: C₁₂H₃₆O₆Si₆

Molecular Weight: 444.926

Accurate Mass: 444.112752

Percentage Composition: C 32.39%; H 8.16%; O 21.58%; Si 37.87%

Source/Synthesis: Synth. from Me₂SiCl₂ and H₂O or Li/THF

Physical Description: Diamond-shaped cryst. plates or feathery needles (petrol/hot Me₂CO)

Melting Point: Mp 250-252°

References:

- Gilman, H. *et al.*, *J.O.C.*, 1963, **28**, 1651, (*synth*)
Engelhardt, G. *et al.*, *J. Organomet. Chem.*, 1971, **28**, 293; 1973, **54**, 115, (*cmr*, *pmr*, *Si-29 nmr*)
Forgarasi, G. *et al.*, *Spectrochim. Acta*, 1974, **30**, 629, (*ir*, *Raman*)
Pickering, G.R. *et al.*, *Org. Mass Spectrom.*, 1975, **10**, 1035, (*ms*)
Lin, S. *et al.*, *J. Fluorine Chem.*, 1977, **9**, 161, (*synth*)
Kirichenko, E.A. *et al.*, *Zh. Obshch. Khim.*, 1979, **49**, 1529, (*uv*)
Seyferth, D. *et al.*, *Inorg. Chem.*, 1983, **22**, 2163, (*synth*, *pmr*, *ir*)
Alnaimi, I.S. *et al.*, *Organometallics*, 1983, **2**, 903, (*reactions*)
U.S. Pat., 1984, 4 447 630; *CA*, **101**, 111193, (*synth*)