



>>Entry Name: Methyltris(trimethylsiloxy)silane

Synonym(s): 1,1,1,3,5,5,5-Heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane, 9CI

CAS Registry Number: 17928-28-8

MeSi(OSiMe₃)₃

Molecular Formula: C₁₀H₃₀O₃Si₄

Molecular Weight: 310.687

Accurate Mass: 310.127203

Percentage Composition: C 38.66%; H 9.73%; O 15.45%; Si 36.16%

Source/Synthesis: Synth. by co-hydrol. of Me₃SiCl and MeSiCl₃, followed by catalytic rearrangement of the product

Boiling Point: Bp 190°

Density: d₄²⁰ 0.85

Refractive Index: n_D²⁰ 1.3880

References:

Patnode, W.I. *et al.*, *J.A.C.S.*, 1946, **68**, 358-363, (*synth*)

Wright, N. *et al.*, *J.A.C.S.*, 1947, **69**, 803-809, (*ir*)

Engelhardt, G. *et al.*, *J. Organomet. Chem.*, 1973, **54**, 115-122, (*Si-29 nmr*)

Ruehlmann, K. *et al.*, *J. Organomet. Chem.*, 1988, **340**, 19-21, (*O-17 nmr*)