



>>Entry Name: Methylsilane, 9CI

CAS Registry Number: 992-94-9

MeSiH₃

Molecular Formula: CH₆Si

Molecular Weight: 46.144

Accurate Mass: 46.023877

Percentage Composition: C 26.03%; H 13.11%; Si 60.87%

Source/Synthesis: Synth. from SiH₄ + Na + MeI

Physical Description: Gas

Melting Point: Fp -156.81°

Boiling Point: Bp -57.5°

Aldrich: 46299-3

Fluka: 69160

References:

Tannenbaum, S. *et al.*, *J.A.C.S.*, 1953, **75**, 3753, (*synth*)

Weyenburg, D.R. *et al.*, *J. Organomet. Chem.*, 1965, **3**, 489, (*synth*)

Cradock, S. *et al.*, *Inorg. Chem.*, 1967, **6**, 1751, (*synth*)

Amberger, E. *et al.*, *J. Organomet. Chem.*, 1968, **12**, 417, (*synth*)

Loewer, R. *et al.*, *Chem.-Ztg.*, 1975, **99**, 33, (*nmr*)

Topiol, S. *et al.*, *J.C.S. Faraday 2*, 1978, **74**, 1521, (*struct*)

Oxton, I.A. *et al.*, *J. Mol. Struct.*, 1979, **56**, 57, (*ir*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MPI625