



>>Entry Name: Dimethoxydimethylsilane, 9CI

CAS Registry Number: 1112-39-6

$\text{Me}_2\text{Si}(\text{OMe})_2$

Molecular Formula: $\text{C}_4\text{H}_{12}\text{O}_2\text{Si}$

Molecular Weight: 120.223

Accurate Mass: 120.060657

Percentage Composition: C 39.96%; H 10.06%; O 26.62%; Si 23.36%

Source/Synthesis: Synth. from Me_2SiCl_2 and MeOH

Use/Importance: Can be plasma polym. on plastics to give protective coatings

Physical Description: Liq.

Boiling Point: Bp 80.2°

Density: d_4^{25} 0.85

Refractive Index: n_D^{25} 1.3699

Aldrich: 10490-6

Fluka: 40160

Rare Chemicals Library: S41583-9

References:

Kantor, S.W., *J.A.C.S.*, 1953, **75**, 2712, (*synth*)

Marchand, A. *et al.*, *J. Organomet. Chem.*, 1968, **12**, 305, (*ir*)

Japan. Pat., 1974, 74 135 925; *CA*, **83**, 44001, (*synth*)

Van Den Berghe, E.V. *et al.*, *J. Organomet. Chem.*, 1976, **122**, 329, (*pmr*, *Si-29 nmr*)

Morita, S. *et al.*, *Proc. Int. Ion Eng. Congr.*, 1983, **3**, 1441, (*polym*)