



>>Entry Name: Trimethoxymethylsilane, 9CI

CAS Registry Number: 1185-55-3

MeSi(OMe)₃

Molecular Formula: C₄H₁₂O₃Si

Molecular Weight: 136.222

Accurate Mass: 136.055572

Percentage Composition: C 35.27%; H 8.88%; O 35.24%; Si 20.62%

Source/Synthesis: Synth. from MeSiCl₃ + MeOH

Use/Importance: Cross-linking and vulcanising agent for silicone polymers

Physical Description: Liq.

Boiling Point: Bp 103.5°

Density: d²⁰ 0.949

Aldrich: 44017-5

Fluka: 69471

Rare Chemicals Library: S58547-5

Sigma: M6420

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 664A, (*nmr*)

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Cumper, C.W.N. *et al.*, *J.C.S.(B)*, 1966, 893, (*pmr*)

Radeglia, R., *Z. Phys. Chem. (Leipzig)*, 1975, **256**, 453, (*Si-29 nmr*)

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Gergo, E. *et al.*, *J. Organomet. Chem.*, 1976, **112**, 29, (*struct*)

Nakadaira, Y., *J. Organomet. Chem.*, 1976, **113**, 249, (*ms*)

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

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