



>>Entry Name: (Chloromethyl)triethoxysilane, 9Cl

CAS Registry Number: 15267-95-5
(EtO)₃SiCH₂Cl

Molecular Formula: C₇H₁₇ClO₃Si

Molecular Weight: 212.748

Accurate Mass: 212.063549

Percentage Composition: C 39.52%; H 8.05%; Cl 16.66%; O 22.56%; Si 13.20%

Source/Synthesis: Synth. from Cl₃SiCH₂Cl and EtOH

Use/Importance: Coupling agent in silica-filled composites

Physical Description: Liq.

Boiling Point: Bp₂₇ 91-93°

Density: d₄²⁰ 1.028

Refractive Index: n_D²⁰ 1.4069

Aldrich: 39104-2

Fluka: 25297

Rare Chemicals Library: S56536-9

References:

Jakoubkova, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 3471, (*ir, Raman, synth*)

Lippmaa, E. *et al.*, *Coll. Czech. Chem. Comm.*, 1974, **39**, 1041, (*Si-29 nmr*)

Severnyi, V.V. *et al.*, *Kauch. Rezina*, 1976, **11**, 12; *CA*, **86**, 56527, (*use*)

Leipins, E. *et al.*, *J. Organomet. Chem.*, 1986, **306**, 167, (*cmr, O-17 nmr, Si-29 nmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CIY500