



>>Entry Name: (3-Chloropropyl)trimethoxysilane, 9CI

CAS Registry Number: 2530-87-2

(MeO)3SiCH2CH2CH2Cl

Molecular Formula: C₆H₁₅ClO₃Si

Molecular Weight: 198.721

Accurate Mass: 198.047899

Percentage Composition: C 36.26%; H 7.61%; Cl 17.84%; O 24.15%; Si 14.13%

Source/Synthesis: Synth. from Cl₃Si(CH₂)₃Cl and MeOH

Use/Importance: Coupling agent for bonding epoxy resin to glass fibre

Physical Description: Liq.

Boiling Point: Bp 195-196°

Solubility: Insol. H₂O

Density: d₄²⁰ 1.081

Refractive Index: n_D²⁰ 1.4200

Aldrich: 25457-6

Fluka: 26250

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1091D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1646C, (*ir*)

Ger. Pat., 1972, 2 061 189; *CA*, **77**, 101871e, (*synth*)

Bascom, W.D., *Macromolecules*, 1972, **5**, 792; *CA*, **78**, 59209p, (*use*)

Leal, O. *et al.*, *J.A.C.S.*, 1975, **97**, 5125, (*use*)

Ger. Pat., 1976, 2 521 399; *CA*, **86**, 72863g, (*synth*)