



>>Entry Name: Trichlorocyclohexylsilane, 9CI

Synonym(s): (Trichlorosilyl)cyclohexane

CAS Registry Number: 98-12-4

CySiCl₃

Molecular Formula: C₆H₁₁Cl₃Si

Molecular Weight: 217.597

Accurate Mass: 215.969558

Percentage Composition: C 33.12%; H 5.10%; Cl 48.88%; Si 12.91%

Source/Synthesis: Synth. by uv photol. of 1-hexene and HSiCl₃ in presence of Bu^tOOH

Physical Description: Liq.

Boiling Point: Bp 198.6-200°

Hazard & Toxicity: Strong irritant, corrosive

Aldrich: 39106-9

Fluka: 29552

Rare Chemicals Library: S58497-5

References:

Burkhard, C.A. *et al.*, *J.A.C.S.*, 1947, **69**, 2687, (*synth*)

Inorg. Synth., 1953, **4**, 43, (*synth*)

Eaborn, C. *et al.*, *J. Organomet. Chem.*, 1971, **31**, 43, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CPR250