



>>Entry Name: Dichlorosilane

Synonym(s): Silicon chloride hydride (SiCl_2H_2). Silicon dichloride dihydride

CAS Registry Number: 4109-96-0

SiH_2Cl_2 (C_{2v})

Molecular Formula: $\text{Cl}_2\text{H}_2\text{Si}$

Molecular Weight: 101.007

Accurate Mass: 99.930281

Percentage Composition: Cl 70.20%; H 2.00%; Si 27.81%

Use/Importance: Commercially available

Melting Point: Mp -122°

Boiling Point: Bp 8.3°

Other Data: d (gas) 4.599 g l^{-1}

Hazard & Toxicity: Highly toxic, flammable

Aldrich: 29522-1

References:

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Popenko, V.F. *et al.*, *Zh. Prikl. Khim. (Leningrad)*, 1982, **55**, 389, (*synth*)

Bernheim, R.A. *et al.*, *Chem. Phys. Lett.*, 1983, **100**, 45, (*ir*)

Niki, H. *et al.*, *J. Phys. Chem.*, 1985, **89**, 1752, (*ir*)

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