



>>Entry Name: Trichloromethylgermane, 9Cl

Synonym(s): Methylgermanium trichloride. Methyltrichlorogermane

CAS Registry Number: 993-10-2

MeGeCl₃

Molecular Formula: CH₃Cl₃Ge

Molecular Weight: 194.003

Accurate Mass: 193.851208

Percentage Composition: C 6.19%; H 1.56%; Cl 54.82%; Ge 37.43%

Source/Synthesis: Synth. from Ge powder and MeCl

Physical Description: Liq.

Boiling Point: Bp 111°

Density: d²⁰ 1.705

References:

- Petrov, A.D. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1956, 1146; *CA*, **51**, 4938, (*synth*)
Zueva, G.Ya. *et al.*, *Izv. Akad. Nauk SSSR, Neorg. Mater.*, 1966, **2**, 1359; *CA*, **66**, 2625, (*synth*)
Moedritzer, K., *J. Organomet. Chem.*, 1966, **6**, 282, (*synth*)
Egorochkin, A.N. *et al.*, *Dokl. Akad. Nauk SSSR*, 1968, **180**, 861; *CA*, **69**, 72660, (*pmr*)
Tamas, J. *et al.*, *J. Organomet. Chem.*, 1972, **40**, 311, (*ms*)
Lavalley, J.C. *et al.*, *Spectrochim. Acta A*, 1972, **28**, 2091, (*ir*)
Durig, J.R. *et al.*, *J. Mol. Spectrosc.*, 1975, **57**, 169, (*Raman, microwave, struct*)
Drake, J.E. *et al.*, *Can. J. Chem.*, 1977, **55**, 1104, (*struct*)