



>>Entry Name: Tributylchlorogermane, 12Cl

CAS Registry Number: 2117-36-4

$(\text{H}_3\text{CCH}_2\text{CH}_2\text{CH}_2)_3\text{GeCl}$

Molecular Formula: $\text{C}_{12}\text{H}_{27}\text{ClGe}$

Molecular Weight: 279.408

Accurate Mass: 280.101304

Percentage Composition: C 51.58%; H 9.74%; Cl 12.69%; Ge 25.99%

Source/Synthesis: Synth. by chlorination of Bu_3GeMgBr

Use/Importance: Germylating agent

Physical Description: Liq.

Boiling Point: Bp 271°

Density: d_4^{20} 1.05

Refractive Index: n_D^{20} 1.4652

Hazard & Toxicity: LD₅₀ (rat, ipr) 2460 mg/kg

Rare Chemicals Library: S38785-1

References:

Anderson, H.H., *J.A.C.S.*, 1951, **73**, 5800, (*synth*)

Ganjolle, F. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. D*, 1966, **262**, 1302, (*tox*)

Aue, W.A. *et al.*, *Can. J. Chem.*, 1989, **67**, 402, (*glc*)

Castel, A. *et al.*, *J. Organomet. Chem.*, 1990, **397**, 7, (*use*)

Cerveau, G. *et al.*, *Organometallics*, 1991, **10**, 1510, (*synth*)