



>>Entry Name: Germanium(II) chloride (GeCl₂), 9Cl

Synonym(s): Germanium dichloride

CAS Registry Number: 10060-11-4

GeCl₂

Molecular Formula: Cl₂Ge

Molecular Weight: 143.515

Accurate Mass: 143.858881

Percentage Composition: Cl 49.41%; Ge 50.59%

Source/Synthesis: Synth. from Ge + GeCl₄

Physical Description: White powder. Dec. on heating to GeCl₄ + Ge. Hydrol. by H₂O

References:

Dennis, L.M. *et al.*, *J.A.C.S.*, 1929, **51**, 1151, (*synth, props*)

Moulton, C.W. *et al.*, *J.A.C.S.*, 1956, **78**, 2702, (*synth*)

Beattie, I.R. *et al.*, *J.C.S.(A)*, 1970, 2429, (*Raman*)

Feltz, A. *et al.*, *Z. Chem.*, 1978, **18**, 420, (*synth*)

Schultz, G. *et al.*, *J. Mol. Struct.*, 1979, **55**, 207, (*struct*)

Van der Kerk, S.M., *Polyhedron*, 1983, **2**, 509, (*synth, ms*)