



>>Entry Name: Germanium bromide (GeBr₄)

Synonym(s): Germanium tetrabromide. Tetrabromogermane

CAS Registry Number: 13450-92-5

GeBr₄

Molecular Formula: Br₄Ge

Molecular Weight: 392.226

Accurate Mass: 389.674521

Percentage Composition: Br 81.49%; Ge 18.51%

Physical Description: Grey-white octahedral cryst.

Melting Point: Mp 26°

Boiling Point: Bp 186°

Solubility: Dec. in H₂O; sol. EtOH, Et₂O, C₆H₆

Density: d³⁰ 2.1

Aldrich: 38136-5

References:

Andrews, S.P. *et al.*, *J. Chem. Res., Synop.*, 1978, 94, (*ir*, *Raman*)

Buerger, H. *et al.*, *J. Mol. Spectrosc.*, 1983, **97**, 266, (*ir*)

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

Buerger, H. *et al.*, *Z. Naturforsch., A*, 1984, **39**, 871, (*ir*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, GDW000