



>>Entry Name: Germanium iodide (GeI₄)

Synonym(s): Germanium tetraiodide. Tetraiodogermane

CAS Registry Number: 13450-95-8

GeI₄

Molecular Formula: GeI₄

Molecular Weight: 580.228

Accurate Mass: 581.539069

Percentage Composition: Ge 12.51%; I 87.49%

Physical Description: Red-orange cubes

Melting Point: Mp 144°

Solubility: Dec. in H₂O, EtOH, Me₂CO. Sol. CS₂, CCl₄, C₆H₆, MeOH

Other Data: Dec. at 440°

Hazard & Toxicity: Lachrymator

Aldrich: 38325-2

Fluka: 48858

References:

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

Oikova, T. *et al.*, *Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.*, 1980, **23**, 1331, (*synth*)

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