



>>Entry Name: Tetrabutyl germanate

Synonym(s): Butyl germanate. Tetrabutoxygermanate

CAS Registry Number: 25063-27-8

$\text{Ge}(\text{OCH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_4$

Molecular Formula: $\text{C}_{16}\text{H}_{36}\text{GeO}_4$

Molecular Weight: 365.068

Accurate Mass: 366.182537

Percentage Composition: C 52.64%; H 9.94%; Ge 19.89%; O 17.53%

Physical Description: Liq.

Boiling Point: Bp 299°. Bp₈ 140-143°

Density: d_4^{25} 1.021

Hazard & Toxicity: Fl. p. 112°

Aldrich: 44766-8

Other: Gelest GET7060

References:

Johnson, O.H. *et al.*, *J.A.C.S.*, 1953, **75**, 718, (*synth, ir*)

Bradley, D.C. *et al.*, *J.C.S.*, 1956, 4916, (*synth*)

Abel, E.W., *J.C.S.*, 1958, 3746, (*synth*)

Pike, R.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1964, **84**, 119, (*synth*)

Skobeleva, S.E., *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1973, **210**, 122; *Dokl. Chem. (Engl. Transl.)*, 1973, **210**, 375, (*ir*)