



>>Entry Name: Lead metaborate (Pb(BO₂)₂)

Synonym(s): Lead borate

CAS Registry Number: 14720-53-7

Related CAS Registry Numbers(s): 10214-39-8

Pb(BO₂)₂

Molecular Formula: B₂O₄Pb

Molecular Weight: 292.82

Accurate Mass: 293.974897

Percentage Composition: B 7.38%; O 21.86%; Pb 70.76%

Use/Importance: Used in varnishes and paints

Physical Description: White crystalline powder + 1H₂O

Solubility: Insol. H₂O, alkali; sol. acid

Other Data: Loses H₂O at 160°

References:

Boiko, V.F. *et al.*, *Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.*, 1976, **19**, 1634; 1799

Motoyama, M. *et al.*, *Yogyo Kyokaishi*, 1977, **85**, 454, (*synth*)

Chekhovskii, V.G. *et al.*, *Fiz. Khim. Stekla*, 1982, **8**, 373, (*ir*)

Kozhukharov, V. *et al.*, *J. Mater. Sci.*, 1983, **18**, 1557, (*synth*)