



>>Entry Name: Lead acetate hydroxide ($\text{Pb}_3(\text{OAc})_2(\text{OH})_4$)

Synonym(s): Lead subacetate. Bis(acetato-*O*)tetrahydroxytrilead

CAS Registry Number: 1335-32-6

$\text{Pb}(\text{OAc})_2 \cdot 2\text{Pb}(\text{OH})_2$

Molecular Formula: $\text{C}_4\text{H}_{10}\text{O}_8\text{Pb}_3$

Molecular Weight: 807.718

Accurate Mass: 809.967451

Percentage Composition: C 5.95%; H 1.25%; O 15.85%; Pb 76.96%

Source/Synthesis: Synth. from conc. aq. ammonia and lead acetate in H_2O

Physical Description: White monoclinic or gelatinous solid

Solubility: V. sol. cold H_2O

Hazard & Toxicity: Toxic

Aldrich: 23715-9

Sigma: L2781

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1280C, (ir)

Gundurao, S.N. *et al.*, *Proc. Annu. Conv. Sugar Technol. Assoc. India*, 1958, **26**, 60

Gmelin Handbook Inorg. Chem., Syst. No. 47, 1969, **C2**, 775, (rev, bibl)

Chan, C.C., *Publ. Tech. Pap. Proc. Annu. Meet. Sugar Ind. Technol.*, 1987, **46**, 1

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, LCH000