



>>Entry Name: Lead(II) thiocyanate

Synonym(s): Thiocyanic acid, lead(2+) salt, 9CI

CAS Registry Number: 592-87-0

Pb(SCN)₂

Molecular Formula: C₂N₂PbS₂

Molecular Weight: 323.367

Accurate Mass: 323.926915

Percentage Composition: C 7.43%; N 8.66%; Pb 64.08%; S 19.83%

Source/Synthesis: Synth. by mixing aq. solns. of NaSCN and Pb(NO₃)₂

Physical Description: White needles. Light sensitive

Melting Point: Mp 190 dec.°

Solubility: Insol. H₂O

Hazard & Toxicity: Toxic

Aldrich: 20830-2

Fluka: 15365

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1270A, (ir)

Inorg. Synth., 1939, **1**, 85, (synth)

Mokuolu, J.A.A. *et al.*, *Acta Cryst. B*, 1975, **31**, 172, (cryst struct)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, LEC500