



>>Entry Name: Tin(II) acetate

Synonym(s): Stannous acetate. Acetic acid, tin(2+) salt, 9CI

CAS Registry Number: 638-39-1

$\text{Sn}(\text{OAc})_2$

Molecular Formula: $\text{C}_4\text{H}_6\text{O}_4\text{Sn}$

Molecular Weight: 236.799

Accurate Mass: 235.92881

Percentage Composition: C 20.29%; H 2.55%; O 27.03%; Sn 50.13%

Source/Synthesis: Synth. from AcOH + $\text{Sn}(\text{OMe})_2$ or bis(methylcyclopentadienyl)tin

Use/Importance: Promotes dye uptake by fabrics. Used as a catalyst for e.g. polym. and in CVD of In-Sn oxide films

Physical Description: Cryst.

Melting Point: Mp 182.5-183°

Boiling Point: Bp 240°

Other Data: Dec. >238° to SnO , Me_2CO and CO_2

Aldrich: 34516-4

Other: Gelest SND2700

References:

Donaldson, J.D. *et al.*, *J.C.S.*, 1964, 5942, (synth)

Donaldson, J.D. *et al.*, *Spectrochim. Acta*, 1965, **21**, 275, (ir)

Harrison, P.G. *et al.*, *J.C.S. Dalton*, 1973, 940, (synth)

Ewings, P.F.R. *et al.*, *J.C.S. Dalton*, 1975, 1717, (synth, Mössbauer)