



>>Entry Name: Tin(II) oxalate

Synonym(s): Oxalatotin. Ethanedioic acid, tin(2+) salt (1:1). Stannous oxalate

CAS Registry Number: 814-94-8

$\text{Sn}(\text{C}_2\text{O}_4)$

Molecular Formula: $\text{C}_2\text{O}_4\text{Sn}$

Molecular Weight: 206.73

Accurate Mass: 205.88186

Percentage Composition: C 11.62%; O 30.96%; Sn 57.42%

Source/Synthesis: Synth. from SnCl_2 + oxalic acid

Use/Importance: Esterification and hydrogenation catalyst

Melting Point: Mp 280 dec.°

Solubility: Insol. H_2O

Hazard & Toxicity: LD₅₀ (rat, orl) 3400 mg/kg

Aldrich: 40276-1

Fluka: 96540

Sigma: S3502

Other: Gelest SNT7960

References:

Debye, N.W.G. *et al.*, *J. Inorg. Nucl. Chem.*, 1972, **34**, 352, (*ir, Mössbauer*)

Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, 1978, **23**, 69, (*use*)

Christie, A.D. *et al.*, *Inorg. Chim. Acta*, 1979, **36**, L447, (*cryst struct*)

Gleizes, A. *et al.*, *J. Solid State Chem.*, 1979, **30**, 23, (*cryst struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TGE250