



>>Entry Name: Tin(II) sulfate

Synonym(s): Sulfuric acid, tin(2+) salt (1:1), 9CI. Stannous sulfate

CAS Registry Number: 7488-55-3

SnSO₄

Molecular Formula: O₄SSn

Molecular Weight: 214.774

Accurate Mass: 213.85393

Percentage Composition: O 29.80%; S 14.93%; Sn 55.27%

Source/Synthesis: Synth. by dissolving Sn in H₂SO₄ or by adding Sn to CuSO₄ soln.

Use/Importance: Used in tin plating

Physical Description: Cryst. Dec. at 378° into SnO₂ and SO₂

Solubility: Sol. H₂O

Aldrich: 24463-5

Fluka: 96555

Other: Gelest SNT7990

References:

Donaldson, J.D. *et al.*, *J.C.S.*, 1960, 4000, (*synth, props*)

Hezel, A. *et al.*, *Spectrochim. Acta*, 1966, **22**, 1949, (*ir*)

Davies, C.G. *et al.*, *J.C.S.(A)*, 1968, 946, (*Mössbauer*)

Donaldson, J.D. *et al.*, *Acta Cryst. B*, 1972, **28**, 864, (*cryst struct*)

Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, 1978, **23**, 50, (*rev*)

Ryabukha, A.A. *et al.*, *Zh. Prikl. Khim. (Leningrad)*, 1988, **61**, 142; *CA*, **108**, 153004c, (*synth*)