



>>Entry Name: Titanium(IV) sulfate, 9CI

CAS Registry Number: 13693-11-3

Ti(SO₄)₂

Molecular Formula: O₈S₂Ti

Molecular Weight: 240.007

Accurate Mass: 239.851407

Percentage Composition: O 53.33%; S 26.72%; Ti 19.95%

Source/Synthesis: Synth. from SO₃ + TiCl₄ in SO₂Cl₂

Physical Description: Extremely hygroscopic cryst.

Other Data: Dec. at 150° with evolution of SO₃

References:

Hayek, E. *et al.*, *Monatsh. Chem.*, 1949, **80**, 640-647, (*synth*)

Frazer, M.J. *et al.*, *J.C.S.*, 1965, 342-345, (*synth*)