



>>Entry Name: Zinc molybdate (ZnMoO_4)

Synonym(s): Molybdenum zinc oxide (MoZnO_4)

CAS Registry Number: 13767-32-3

Related CAS Registry Numbers(s): 61583-60-6
 ZnMoO_4

Molecular Formula: MoO_4Zn

Molecular Weight: 225.328

Accurate Mass: 225.814211

%

Source/Synthesis: Synth. by combining aq. solns. of sodium or ammonium molybdate and a sol. zinc salt or by heating mixed solid oxides at 600-700°

Use/Importance: White corrosion-inhibiting pigment

Physical Description: White solid

Melting Point: Mp 900° (700°)

Solubility: Sl. sol. H_2O ; sol. acids

References:

Schultze, H., *Annalen*, 1863, **126**, 50

Mellor *Compr. Treat. Inorg. Theor. Chem.*, 1931, **11**, 562, (bibl)

Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, 1978, **15**, 687; **17**, 793, (props, use)