



>>Entry Name: **Iron(III) hypophosphite**

Synonym(s): Ferric hypophosphite

CAS Registry Number: 7783-84-8

$\text{Fe}(\text{H}_2\text{PO}_2)_3$

Molecular Formula: $\text{FeH}_6\text{O}_6\text{P}_3$

Molecular Weight: 250.812

Accurate Mass: 250.872665

Percentage Composition: Fe 22.27%; H 2.41%; O 38.27%; P 37.05%

Use/Importance: Haematinic

Physical Description: White to grey powder

Solubility: Sl. sol. H_2O ; sol. boiling H_2O

Hazard & Toxicity: Explosion may take place if heated with nitrates, chlorates or other ox. agents

References:

Gmelin Handbook Inorg. Chem., Syst. No. 59, 1931, B4, 768, (rev, bibl)

Mayants, L.S. *et al.*, *Izv. Akad. Nauk SSSR, Neorg. Mater.*, 1965, **1**, 546; *CA*, **63**, 10855f, (ir)

Bretherick, L., *Handbook of Reactive Chemical Hazards, 4th edn., Butterworths*, 1990, 4088