



>>Entry Name: Indium(I) chloride (InCl)

CAS Registry Number: 74391-31-4

Extra CAS Registry Numbers(s): 13465-10-6

InCl

Molecular Formula: ClIn

Molecular Weight: 150.273

Accurate Mass: 149.872732

Percentage Composition: Cl 23.59%; In 76.41%

Source/Synthesis: Synth. from In and InCl₃

Physical Description: Yellow cryst. Changes to red form >120°

Melting Point: Mp 216°

References:

Palkin, A.P. *et al.*, *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1963, **8**, 1344, (*phase diagram*)

Brauer, G., *Handb. Prep. Inorg. Chem.*, **2**, 870, (*synth*)

van der Berg, J.M. *et al.*, *Acta Cryst.*, 1966, **20**, 905, (*cryst struct*)

McGuire, G.E. *et al.*, *Inorg. Chem.*, 1973, **12**, 2450, (*pe*)

Freeland, B.H. *et al.*, *Can. J. Chem.*, 1977, **55**, 1527, (*esca*)

Tsunoda, K. *et al.*, *Spectrochim. Acta B*, 1980, **35**, 715