



>>Entry Name: Hafnium(IV) chloride oxide (HfCl₂O), 11Cl

Synonym(s): Dichlorooxohafnium(IV)

CAS Registry Number: 13759-17-6

Related CAS Registry Numbers(s): 14456-34-9

HfCl₂O

Molecular Formula: Cl₂HfO

Molecular Weight: 265.395

Accurate Mass: 265.879164

Percentage Composition: Cl 26.72%; Hf 67.25%; O 6.03%

Source/Synthesis: Synth. by heating HfCl₄ and Sb₂O₃ in a stream of Cl₂ at 180-320°

Use/Importance: Has been used as coating for immobilising enzymes and bacteria

Physical Description: Colourless solid. Dec. > 370°

Other Data: Various hydrates are also known

References:

Morozov, A.I. *et al.*, *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1971, **16**, 12, (synth, thermal anal, ir)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, HAD000; HAD500