



>>Entry Name: Hafnium carbide (HfC), ¹¹Cl
ENTRY UNDER REVIEW

CAS Registry Number: 12069-85-1

Extra CAS Registry Numbers(s): 11129-37-6

HfC

Molecular Formula: CHf

Molecular Weight: 190.501

Accurate Mass: 191.946545

Percentage Composition: C 6.30%; Hf 93.70%

General Statement: NaCl struct. Several other phases have been reported in the Hf-C system but this is the only one which has been widely studied

Source/Synthesis: Synth. by heating HfO₂ and C at 1700° or by melting above 2800°

Melting Point: Mp 3890°

Aldrich: 39957-4

References:

Cotter, P.G. *et al.*, *J. Am. Ceram. Soc.*, 1954, **37**, 415, (*synth, cryst struct*)

Curtis, C.E. *et al.*, *J. Am. Ceram. Soc.*, 1954, **37**, 458, (*synth, cryst struct*)

Achour, M. *et al.*, *Rev. Int. Hautes Temp. Refract.*, 1975, **12**, 289, (*synth*)