



>>Entry Name: 3,3-Dichloro-1,1,1,2,2-pentafluoropropane, 9CI

Synonym(s): HCFC 225ca

CAS Registry Number: 422-56-0

Cl2CHCF2CF3

Molecular Formula: C3HCl2F5

Molecular Weight: 202.938

Accurate Mass: 201.937544

Percentage Composition: C 17.76%; H 0.50%; Cl 34.94%; F 46.81%

Boiling Point: Bp 45.5°

Density: d_4^{25} 1.54

Refractive Index: n_D^{20} 1.3196

References:

McBee, E.T. *et al.*, *J.A.C.S.*, 1955, **77**, 3149-3151, (*synth*)

Haszeldine, R.N. *et al.*, *J.C.S.*, 1957, 2193-2197, (*synth, ir*)

Gregory, R. *et al.*, *J.C.S.(C)*, 1968, 3020-3025, (*synth, pmr, F-19 nmr, ms*)

Paleta, O. *et al.*, *Coll. Czech. Chem. Comm.*, 1971, **36**, 1867-1875, (*ir*)

Tanuma, T. *et al.*, *J. Fluorine Chem.*, 1992, **57**, 259-284, (*F-19 nmr, conformn*)