



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

CAS Registry Number: 507-55-1

ClFCHCF₂CF₂Cl

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%

Use/Importance: Previously considered as an environmentally friendly CFC alternative, but not used in practice (1997)

Boiling Point: Bp 51-53°

Density: d₄²⁵ 1.55

Refractive Index: n_D²⁵ 1.3262

Other: Lancaster: 16461

References:

Coffmann, D.D. *et al.*, *J.A.C.S.*, 1949, **71**, 979-980, (*synth*)

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

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