



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

CAS Registry Number: 661-97-2

F₃CCCIFCCIF₂

Molecular Formula: C₃Cl₂F₆

Molecular Weight: 220.929

Accurate Mass: 219.928122

Percentage Composition: C 16.31%; Cl 32.09%; F 51.60%

Use/Importance: Refrigerant. Solv. in the manuf. of polyethers and for disperse dyes

Melting Point: Fp -136° (-131.1°)

Boiling Point: Bp 34.5°

Density: d₄²⁰ 1.59. d₄²⁵ 1.598

Refractive Index: n_D²⁰ 1.3029

Fluka: 35851

Rare Chemicals Library: S44925-3

References:

Park, J.D. *et al.*, *J.O.C.*, 1961, **26**, 4017, (*synth*)

Fainberg, A.H. *et al.*, *J.O.C.*, 1965, **30**, 864, (*synth, props*)

Schmeisser, M. *et al.*, *Angew. Chem., Int. Ed.*, 1967, **6**, 627, (*synth*)

De Marco, A. *et al.*, *J. Magn. Reson.*, 1972, **6**, 208, (*F nmr*)

Capriel, P. *et al.*, *Tetrahedron*, 1979, **35**, 2661, (*F nmr*)