



>>Entry Name: 2-Chloro-1,1,1,2-tetrafluoroethane

Synonym(s): Fluorocarbon 124. CFC124. Freon 124. HCFC 124

CAS Registry Number: 2837-89-0

Related CAS Registry Numbers(s): 63938-10-3

F₃CCHClF

Molecular Formula: C₂HClF₄

Molecular Weight: 136.476

Accurate Mass: 135.970289

Percentage Composition: C 17.60%; H 0.74%; Cl 25.98%; F 55.68%

>>Variant: (±)-form

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Use/Importance: Working fluid for heat pumps, blowing agent, propellant, solvent for degreasing and defluxing substrates

Boiling Point: Bp -8° (-12°)

References:

Miller, W.T. *et al.*, *J.A.C.S.*, 1960, **82**, 3091, (*synth*)

Goldwhite, H. *et al.*, *J.C.S.*, 1961, 3825, (*synth, ir*)

Noftle, R.E. *et al.*, *J. Fluorine Chem.*, 1984, **26**, 29, (*ir, Raman*)

Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **11**, 506, (*props*)