



>>Entry Name: 1,1,1,2-Tetrachloro-2,2-difluoroethane, 8Cl

Synonym(s): Genetron 131

CAS Registry Number: 76-11-9

Extra CAS Registry Numbers(s): 28605-74-5

$\text{Cl}_3\text{CCF}_2\text{Cl}$

Molecular Formula: $\text{C}_2\text{Cl}_4\text{F}_2$

Molecular Weight: 203.83

Accurate Mass: 201.872214

Percentage Composition: C 11.79%; Cl 69.57%; F 18.64%

Use/Importance: Blowing agent, refrigerant, propellant, low acute toxicity

Melting Point: Mp 38-40°

Boiling Point: Bp 91°

Density: d_4^{20} 1.65

Hazard & Toxicity: OES: long-term 100 ppm; short-term 100 ppm

Aldrich: 13041-9

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 89D, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 127C, (ir)

Hamilton, J.R., *Adv. Fluorine Chem.*, 1963, **3**, 117, (rev)

Org. Synth., Coll. Vol., 4, 1963, 268, (purifn)

Banks, R.E., *Organofluorine Chem. Their Ind. Appl. [Symp.]*, Soc. of Chem. Ind., London, 1979, 62; 79, (rev)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, TBP000