



>>Entry Name: 1,2,2-Trichloro-1,1-difluoroethane, 9CI

Synonym(s): Fluorocarbon 122

CAS Registry Number: 354-21-2

Related CAS Registry Numbers(s): 41834-16-6

$\text{F}_2\text{CClCHCl}_2$

Molecular Formula: $\text{C}_2\text{HCl}_3\text{F}_2$

Molecular Weight: 169.385

Accurate Mass: 167.911187

Percentage Composition: C 14.18%; H 0.60%; Cl 62.79%; F 22.43%

Physical Description: Liq.

Melting Point: Mp -140°

Boiling Point: Bp 71.9°

Hazard & Toxicity: Shows anaesthetic props.

References:

Heberling, J.W., *J.O.C.*, 1958, **23**, 615, (*synth, ms*)

Fessenden, R.W. *et al.*, *J. Chem. Phys.*, 1962, **37**, 1466, (*pmr, F-19 nmr*)

Hörnicher, R. *et al.*, *Spectrochim. Acta A*, 1972, **28**, 81, (*Raman*)

Chuvatken, N.N. *et al.*, *Zh. Org. Khim.*, 1982, **18**, 946, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TIM000