



>>Entry Name: 1,1,2-Trifluoroethane

Synonym(s): Fluorocarbon 143

CAS Registry Number: 430-66-0

Related CAS Registry Numbers(s): 27987-06-0

$\text{F}_2\text{CHCH}_2\text{F}$

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

Molecular Weight: 84.041

Accurate Mass: 84.018684

Percentage Composition: C 28.58%; H 3.60%; F 67.82%

Use/Importance: Refrigerant, aerosol propellant. Solvent used in the manuf. of electronic components. Component of photocopier inks

Melting Point: Fp -84°

Boiling Point: Bp 5° (3°)

References:

Haszeldine, R.N. *et al.*, *J.C.S.*, 1960, 4503, (*synth*)

Mukhtarov, I.A., *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1963, **151**, 1076

Abraham, R.J. *et al.*, *J.C.S.(B)*, 1971, 1240, (*pmr, F-19 nmr*)

Beagley, B. *et al.*, *J. Mol. Struct.*, 1979, **54**, 175, (*ed, props*)

Kalasinsky, V.F. *et al.*, *J. Phys. Chem.*, 1982, **86**, 1351, (*ir, Raman*)