



>>Entry Name: 3,3,3-Trifluoro-1-propyne

Synonym(s): (Trifluoromethyl)acetylene

CAS Registry Number: 661-54-1

$\text{F}_3\text{CC}\equiv\text{CH}$

Molecular Formula:  $\text{C}_3\text{HF}_3$

Molecular Weight: 94.036

Accurate Mass: 94.003034

Percentage Composition: C 38.32%; H 1.07%; F 60.61%

Physical Description: Gas

Boiling Point:  $\text{Bp}_{705} -48^\circ$

**Hazard & Toxicity:** Liable to explode

#### References:

Finnegan, W.G. *et al.*, *J.O.C.*, 1963, **28**, 1139, (*synth, bibl*)

Morse, J.G. *et al.*, *J. Fluorine Chem.*, 1978, **12**, 321, (*synth, bibl*)

Calas, P. *et al.*, *Chem. Comm.*, 1982, 433, (*synth*)

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd edn., Butterworths, 1979, 418

*Hazards in the Chemical Laboratory*, 3rd edn., (ed. Bretherick, L.), Royal Society of Chemistry, 1981, 520

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 1002

Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, 1992, 1274

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TKH030