



>>Entry Name: 1,2,3-Trichloropropane, 9Cl, 8Cl

CAS Registry Number: 96-18-4

ClCH2CHClCH2Cl

Molecular Formula: $C_3H_5Cl_3$

Molecular Weight: 147.431

Accurate Mass: 145.945681

Percentage Composition: C 24.44%; H 3.42%; Cl 72.14%

Boiling Point: Bp 158°

Density: d^{15}_4 1.42

Hazard & Toxicity: Fl. p. 74° (oc)/82° (oc), autoignition temp. 304°. Skin and severe eye irritant. LD₅₀ (rat, orl) 505 mg/kg. LD₅₀ (rbt, skn) 380 mg/kg. OES: long-term 50 ppm; short-term 75 ppm

Aldrich: 11012-4

Fluka: 91380

Sigma: T5178

Supelco: 4-7794

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 124A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 85B, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 118C, (ir)

Kharasch, N. *et al.*, *J.A.C.S.*, 1939, **61**, 3432

Serguchev, Y.A. *et al.*, *CA*, 1969, **70**, 28320, (synth)

Beyer, D. *et al.*, *J. Prakt. Chem.*, 1971, **313**, 956, (synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TJB600