



>>Entry Name: 1-Chloro-2-methylpropane, 9CI

Synonym(s): Isobutyl chloride. 1-Chloroisobutane

CAS Registry Number: 513-36-0

$(\text{H}_3\text{C})_2\text{CHCH}_2\text{Cl}$

Molecular Formula: $\text{C}_4\text{H}_9\text{Cl}$

Molecular Weight: 92.568

Accurate Mass: 92.039277

Percentage Composition: C 51.90%; H 9.80%; Cl 38.30%

Physical Description: Liq.

Boiling Point: Bp 68.8°

Density: d_4^{20} 0.881

Refractive Index: n_D^{20} 1.3984

Hazard & Toxicity: Highly flammable, fl. p. <21°

Aldrich: 17800-4

Fluka: 58530

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 98A, (nmr)

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Michael, A. *et al.*, *Annalen*, 1912, **393**, 81, (synth)

Underwood, H.W. *et al.*, *J.A.C.S.*, 1934, **56**, 2119, (synth)

Anderson, A.G. *et al.*, *Synthesis*, 1976, **6**, 398, (synth)

Ejchart, A., *Org. Magn. Reson.*, 1980, **13**, 368, (cmr)

Colosimo, M. *et al.*, *Org. Mass Spectrom.*, 1982, **17**, 286, (ms)

Durig, J.R. *et al.*, *J. Mol. Struct.*, 1986, **146**, 213, (ir, Raman, conformn)

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