



>>Entry Name: 1-Chloro-2-methyl-2-propanol, 9Cl

Synonym(s): Chloro-*tert*-butyl alcohol. Isobutylene chlorohydrin

CAS Registry Number: 558-42-9

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

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

Molecular Weight: 108.567

Accurate Mass: 108.034192

Percentage Composition: C 44.25%; H 8.36%; Cl 32.66%; O 14.74%

Physical Description: Viscous liq.

Melting Point: Mp -20°

Boiling Point: Bp 126.7° . Bp₅₅ 62°

Density: d_4^{20} 1.06

Aldrich: 16759-2

Fluka: 25230

Rare Chemicals Library: S66124-4

References:

Burgin, J. *et al.*, *Ind. Eng. Chem.*, 1941, **33**, 385, (*synth*)

Petrov, A.A., *Zh. Obshch. Khim.*, 1945, **15**, 690; *CA*, **40**, 5698, (*synth*)

Eliel, E.L. *et al.*, *J.A.C.S.*, 1956, **78**, 1193, (*synth*)

Gounelle, Y. *et al.*, *Bull. Soc. Chim. Fr.*, 1968, 2518, (*ir*)

Khairtdinova, A.K. *et al.*, *Opt. Spektrosk.*, 1968, **24**, 926; *CA*, **69**, 47886, (*ir*)

Sekine, M. *et al.*, *J.O.C.*, 1996, **61**, 4087, (*synth*, *pmr*, *cmr*)