



>>Entry Name: 1-Chloromethyl-4-methylbenzene

Synonym(s): α -Chloro-*p*-xylene. *p*-Xylyl chloride. *p*-Methylbenzyl chloride

CAS Registry Number: 104-82-5

Molecular Formula: C₈H₉Cl

Molecular Weight: 140.612

Accurate Mass: 140.039277

Percentage Composition: C 68.34%; H 6.45%; Cl 25.21%

Physical Description: Fuming liq.

Boiling Point: Bp 200-202°. Bp₂₀ 90°

Hazard & Toxicity: Undergoes iron-catalysed dec. at 55°. Irritant to all tissues

Aldrich: C7340-0

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 92B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 992B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 910C, (*ir*)

Curtius, T. *et al.*, *J. Prakt. Chem.*, 1900, **62**, 111, (*synth*)

Shorygin, P.P. *et al.*, *CA*, 1939, **33**, 4216, (*synth*)

McLafferty, M.W., *Anal. Chem.*, 1962, **34**, 16, (*ms*)

Bird, C.W., *Spectrochim. Acta A*, 1968, **24**, 1666, (*ir*)

Voronkov, M.G. *et al.*, *CA*, 1971, **74**, 42034x, (*synth*)

Bretherick, L., *Handbook of Reactive Chemical Hazards, 4th edn.*, Butterworths, 1990, 2769