



>>Entry Name: 1-Chloro-4-methyl-2-nitrobenzene

Synonym(s): 4-Chloro-3-nitrotoluene

CAS Registry Number: 89-60-1

Molecular Formula: $C_7H_6ClNO_2$

Molecular Weight: 171.583

Accurate Mass: 171.008706

Percentage Composition: C 49.00%; H 3.52%; Cl 20.66%; N 8.16%; O 18.65%

Melting Point: Fp 6°. Mp 7°

Boiling Point: Bp₁₁ 118°

Hazard & Toxicity: May explode with CuCN/Py. Irritant

Aldrich: 21305-5

References:

Aldrich Library of ^{13}C and 1H FT NMR Spectra, 1992, **2**, 719C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1355A, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1200D, (ir)

Gindraux, L., *Helv. Chim. Acta*, 1929, **12**, 932

Shaw, F.R. *et al.*, *J.C.S.*, 1932, 1886, (synth)

Bretherick, L., *Handbook of Reactive Chemical Hazards, 4th edn.*, Butterworths, 1990, 2546

Luxon, S.G., *Hazards in the Chemical Laboratory, 5th edn.*, Royal Society of Chemistry, 1992, 315