



>>Entry Name: 1-Chloro-3-methylbenzene, 9Cl

Synonym(s): *m*-Chlorotoluene, 8Cl

CAS Registry Number: 108-41-8

Extra CAS Registry Numbers(s): 25168-05-2

Molecular Formula: C₇H₇Cl

Molecular Weight: 126.585

Accurate Mass: 126.023627

Percentage Composition: C 66.42%; H 5.57%; Cl 28.01%

Physical Description: Liq.

Melting Point: Mp -48°

Boiling Point: Bp 162°

Density: d₄²⁰1.07

Hazard & Toxicity: Flammable. Narcotic vapour

Aldrich: 13850-9

Fluka: 26540

References:

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Autenrieth, W. *et al.*, *Ber.*, 1908, **41**, 146, (*synth*)

Neogi, P. *et al.*, *J.C.S.*, 1928, 1332, (*synth*)

Yamamoto, O. *et al.*, *Anal. Chem.*, 1972, **44**, 1794, (*pmr*)

Krasnoshchek, A.P., *Zh. Org. Khim.*, 1972, **8**, 2100; *J. Org. Chem. USSR (Engl. Transl.)*, 1972, **8**, 2148, (*ms*)

Lichter, R.L. *et al.*, *Org. Magn. Reson.*, 1974, **6**, 636, (*cmr*)

Peel, J.B. *et al.*, *Aust. J. Chem.*, 1987, **40**, 751, (*pe*)

Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 501

Luxon, S.G., *Hazards in the Chemical Laboratory, 5th edn.*, Royal Society of Chemistry, 1992, 327