



>>Entry Name: 1-Ethyl-3-methylbenzene, 9CI

Synonym(s): *m*-Ethyltoluene, 8CI

CAS Registry Number: 620-14-4

Extra CAS Registry Numbers(s): 25550-14-5

Structure by analogy with 1-Ethyl-2-methylbenzene, [DTB93-Q](#)

Molecular Formula: C₉H₁₂

Molecular Weight: 120.194

Accurate Mass: 120.0939

Percentage Composition: C 89.94%; H 10.06%

Boiling Point: Bp 157-159°

Density: d₁₇¹⁷ 0.869

Refractive Index: n_D²⁰ 1.4975

Hazard & Toxicity: Autoignition temp. 480°

Aldrich: E4960-6

Fluka: 4942

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 12B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 938B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 857D, (*ir*)

v. Auwers, K., *Annalen*, 1919, **419**, 92, (*synth*)

Adv. Chem. Ser., 1955, **15**, 23, (*props*)

Bentley, F.F. *et al.*, *Spectrochim. Acta*, 1959, 165, (*ir*)

Lindemann, L.P. *et al.*, *Anal. Chem.*, 1964, **36**, 2414, (*nmr*)

Brown, P., *Org. Mass Spectrom.*, 1969, **2**, 1317, (*ms*)

Svob, V. *et al.*, *J. Chromatogr.*, 1974, **91**, 677, (*glc*)

Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 674