



>>Entry Name: Benzyl azide

Synonym(s): α -Triazotoluene. α -Azidotoluene. Azidomethylbenzene

CAS Registry Number: 622-79-7

PhCH₂N₃

Molecular Formula: C₇H₇N₃

Molecular Weight: 133.152

Accurate Mass: 133.063997

Percentage Composition: C 63.14%; H 5.30%; N 31.56%

Physical Description: Liq.

Boiling Point: Bp₂₃ 108°

Solubility: Insol. H₂O

Density: d₂₅ 1.0655

Refractive Index: n_D²⁵ 1.5341

Other Data: Steam-volatile

Hazard & Toxicity: Explodes on heating

References:

Curtius, T. *et al.*, *Ber.*, 1922, **55**, 1559

Fischer, W. *et al.*, *J.A.C.S.*, 1967, **89**, 5284

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BEA325

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 2600