



>>Entry Name: 2-Azidoethanol, 9CI

Synonym(s): Azidoethyl alcohol

CAS Registry Number: 1517-05-1

$\text{N}_3\text{CH}_2\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_2\text{H}_5\text{N}_3\text{O}$

Molecular Weight: 87.081

Accurate Mass: 87.043262

Percentage Composition: C 27.59%; H 5.79%; N 48.25%; O 18.37%

Boiling Point: Bp_{20} 73°. Bp_8 60°

Solubility: Misc. H_2O

Density: d_{24}^{24} 1.149

Refractive Index: n_D^{25} 1.4578

Hazard & Toxicity: Explosion haz. during synth. and on distn.

References:

Fagley, T.F. *et al.*, *J.A.C.S.*, 1953, **75**, 3104, (*synth, props*)

Karpenko, G.V. *et al.*, *CA*, 1979, **90**, 103317, (*synth*)

Appleby, I.C., *Chem. Ind. (London)*, 1986, 337, (*synth, haz*)

Smith, R.H. *et al.*, *J.O.C.*, 1988, **53**, 1467, (*synth, haz*)

Pfaendler, H.R. *et al.*, *Synthesis*, 1996, 1345, (*synth, ir, pmr, cmr*)

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 0820