



>>Entry Name: Dimethylcyanamide, 9CI

Synonym(s): *N*-Cyanodimethylamine

CAS Registry Number: 1467-79-4

Me<sub>2</sub>NCN

Molecular Formula: C<sub>3</sub>H<sub>6</sub>N<sub>2</sub>

Molecular Weight: 70.094

Accurate Mass: 70.053098

Percentage Composition: C 51.41%; H 8.63%; N 39.97%

Boiling Point: Bp 162-163°. Bp<sub>14</sub> 52°

Hazard & Toxicity: Fl. p. 71°. LD<sub>50</sub> (rat, orl) 146 mg/kg. LD<sub>50</sub> (mus, skn) 125 mg/kg

Aldrich: 21380-2

Fluka: 39910

#### References:

*Aldrich Library of <sup>13</sup>C and <sup>1</sup>H FT NMR Spectra*, 1992, **1**, 1377B, (*nmr*)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 855D, (*ir*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 812D, (*ir*)

*Sadtler Standard C-13 NMR Spectra*, 893, (*cmr*)

*Sadtler Standard Infrared Spectra*, 15580, (*ir*)

*Sadtler Standard NMR Spectra*, 6193, (*pmr*)

Ainley, A.D. *et al.*, *J.C.S.*, 1949, 98, (*synth*)

Rabalais, J.W. *et al.*, *Chem. Rev.*, 1971, **71**, 73, (*uv*)

*Registry of Mass Spectral Data*, Wiley-Interscience, 1974, 23, (*ms*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, DRF600