



>>Entry Name: Dimethylphosphinic chloride, 8Cl

CAS Registry Number: 1111-92-8

Type of Compound Code(s): AC6020

Me2P(O)Cl

Molecular Formula: C2H6ClOP

Molecular Weight: 112.495

Accurate Mass: 111.984479

Percentage Composition: C 21.35%; H 5.38%; Cl 31.51%; O 14.22%; P 27.53%

Physical Description: Needles

Melting Point: Mp 67°

Boiling Point: Bp 202-204°. Bp₂₅ 104°

Aldrich: 32833-2

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 1473B, (*nmr*)

Moedritzer, K., *J.A.C.S.*, 1961, **83**, 4381, (*synth, P-31 nmr, ir*)

Pollart, K.A. *et al.*, *J.O.C.*, 1962, **27**, 4444, (*synth*)

Durig, J.R. *et al.*, *J. Phys. Chem.*, 1967, **71**, 3815, (*ir, Raman*)

Neimysheva, A.A. *et al.*, *Zh. Obshch. Khim.*, 1967, **37**, 2255; *J. Gen. Chem. USSR (Engl. Transl.)*, 1967, **37**, 2140, (*nqr, props*)

Seel, F. *et al.*, *Chem. Ber.*, 1971, **104**, 2972, (*ms, pmr, P-31 nmr*)

Fink, M. *et al.*, *Annalen*, 1974, 741, (*synth*)

Appel, R. *et al.*, *Z. Anorg. Allg. Chem.*, 1975, **414**, 236, (*synth*)

Elbel, S. *et al.*, *J.C.S. Dalton*, 1976, 1762, (*pe*)

Ramage, R. *et al.*, *J.C.S. Perkin 1*, 1985, 121, (*synth, pmr, P-31 nmr*)