



>>Entry Name: Dimethylphosphinous chloride, 9Cl

Synonym(s): Chlorodimethylphosphine

CAS Registry Number: 811-62-1

Type of Compound Code(s): AC3020

Me₂PCl

Molecular Formula: C₂H₆ClP

Molecular Weight: 96.496

Accurate Mass: 95.989564

Percentage Composition: C 24.89%; H 6.27%; Cl 36.74%; P 32.10%

Physical Description: Pale-yellow liq.

Melting Point: Mp -2°

Boiling Point: Bp₇₄₉ 73-74°

Density: d₄²⁵ 1.23

Refractive Index: n_D²⁰ 1.4760

Hazard & Toxicity: Ignites in air

References:

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Staendeke, H. *et al.*, *Angew. Chem., Int. Ed.*, 1973, **12**, 877, (*rev*)

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Durig, J.R. *et al.*, *J. Mol. Struct.*, 1975, **27**, 403, (*ir, Raman*)

Lappert, M.F. *et al.*, *J.C.S. Dalton*, 1975, 1207, (*pe*)

Elbel, S. *et al.*, *Z. Naturforsch., B*, 1976, **31**, 178, (*pe*)

Barlos, K. *et al.*, *Chem. Ber.*, 1980, **113**, 3716, (*nqr*)

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Weger, E. *et al.*, *Org. Mass Spectrom.*, 1983, **18**, 327, (*ms*)

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