



>>Entry Name: Ethylphosphonous dichloride, 9Cl

Synonym(s): Dichloroethylphosphine

CAS Registry Number: 1498-40-4

EtPCl₂

Molecular Formula: C₂H₅Cl₂P

Molecular Weight: 130.941

Accurate Mass: 129.950591

Percentage Composition: C 18.35%; H 3.85%; Cl 54.15%; P 23.65%

Physical Description: Liq. with pungent, foul, odour

Boiling Point: Bp₇₂₂ 111-112°

Density: d₄²⁰ 1.26

Refractive Index: n_D²⁰ 1.4943

Other Data: Air-sensitive

Hazard & Toxicity: Severe eye, skin and mucous membrane irritant

Aldrich: 33685-8

References:

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Quin, L.D. *et al.*, *Org. Magn. Reson.*, 1974, **6**, 503, (*cmr*)

Fishman, A.I. *et al.*, *Spectrochim. Acta A*, 1976, **32**, 651, (*ir, Raman*)

Naumov, V.A. *et al.*, *J. Struct. Chem. (Engl. Transl.)*, 1977, **18**, 67; *J. Gen. Chem. USSR (Engl. Transl.)*, 1977, **18**, 54, (*ed, struct*)

van Linthoudt, J.P. *et al.*, *Spectrochim. Acta A*, 1979, **35**, 1307, (*cmr, pmr, P-31 nmr*)

Zverev, V.V. *et al.*, *Zh. Obshch. Khim.*, 1983, **53**, 1968; *J. Gen. Chem. USSR (Engl. Transl.)*, 1983, **53**, 1775, (*pe*)

Durig, J.R., *J. Mol. Struct.*, 1984, **113**, 127, (*struct*)

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