



>>Entry Name: Ethyl phosphorodichloridate, 9Cl, 8Cl

Synonym(s): Ethyl phosphoryl dichloride. Ethyl dichlorophosphate. Dichloroethoxooxophosphorus(V)

CAS Registry Number: 1498-51-7

EtOP(O)Cl₂

Molecular Formula: C₂H₅Cl₂O₂P

Molecular Weight: 162.939

Accurate Mass: 161.940421

Percentage Composition: C 14.74%; H 3.09%; Cl 43.52%; O 19.64%; P 19.01%

Physical Description: Colourless pungent liq.

Boiling Point: Bp 167°. Bp₁₃ 58°

Density: d₂₅ 1.38

Refractive Index: n_D²⁰ 1.4342

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

Aldrich: E2370-4

References:

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Williamson, M.P. *et al.*, *J. Phys. Chem.*, 1968, **72**, 4043, (*pmr, bibl*)

Furlani, C. *et al.*, *J.C.S. Dalton*, 1977, 673, (*pe*)

Zverev, V.V. *et al.*, *Zh. Obshch. Khim.*, 1979, **49**, 1737; *J. Gen. Chem. USSR (Engl. Transl.)*, 1979, **49**, 1522, (*pe*)

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McGuigan, C. *et al.*, *Synthesis*, 1993, 311, (*synth, cmr, P-31 nmr*)

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