



>>Entry Name: ***O*-Ethyl phosphorodichloridothioate**, 9Cl, 8Cl

Synonym(s): *O*-Ethyl dichlorothiophosphate

CAS Registry Number: 1498-64-2

EtOP(S)Cl₂

Molecular Formula: C₂H₅Cl₂OPS

Molecular Weight: 179.006

Accurate Mass: 177.917576

Percentage Composition: C 13.42%; H 2.82%; Cl 39.61%; O 8.94%; P 17.30%; S 17.91%

Physical Description: Liq.

Boiling Point: Bp₂₀ 68°

Density: d₂₀²⁰ 1.397

Refractive Index: n_D²⁵ 1.5026

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, orl) 900 mg/kg

Aldrich: E2390-9

References:

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

Nyquist, R.A. *et al.*, *Spectrochim. Acta A*, 1970, **26**, 769, (*ir, Raman*)

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Vilesov, F.I. *et al.*, *Z. Phys. Chem. (Leipzig)*, 1974, **255**, 661, (*pe*)

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