



>>Entry Name: Ethylphosphonic dichloride, 9Cl

Synonym(s): Ethanephosphonyl chloride

CAS Registry Number: 1066-50-8

EtP(O)Cl<sub>2</sub>

Molecular Formula: C<sub>2</sub>H<sub>5</sub>Cl<sub>2</sub>OP

Molecular Weight: 146.94

Accurate Mass: 145.945506

Percentage Composition: C 16.35%; H 3.43%; Cl 48.25%; O 10.89%; P 21.08%

Physical Description: Liq.

Boiling Point: Bp 174-175°. Bp<sub>15</sub> 66°

Density: d<sub>4</sub><sup>20</sup> 1.37

Refractive Index: n<sub>D</sub><sup>20</sup> 1.4650

Other Data: Easily hydrolysed at r.t. but not at 0°

**Hazard & Toxicity: Irritant**

Aldrich: 27596-4

#### References:

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Steger, E. *et al.*, *Spectrochim. Acta A*, 1967, **23**, 2189, (*ir, Raman*)

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

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