



>>Entry Name: Dichlorvos, BAN, BSI, INN, ISO

Synonym(s): *O*-(2,2-Dichloroethenyl) *O*,*O*-dimethyl phosphate, 9Cl. 2,2-Dichlorovinyl dimethyl phosphate, 8Cl. Dichlorophos. DDVP, JMAF. Aquaguard. Brevinyl. Chlorvinphos. Dederap. Dichlorvos. Estrosol. Fecama. Insectigas D. Nefafros. Novotox. Nogos. Nuvan. Panaplate. Vapona. Vaponite. Vinylofos. Winylophos. NSC 6738

CAS Registry Number: 62-73-7



Molecular Formula: C₄H₇Cl₂O₄P

Molecular Weight: 220.976

Accurate Mass: 219.945901

Percentage Composition: C 21.74%; H 3.19%; Cl 32.09%; O 28.96%; P 14.02%

Biological Use/Importance: Used as a household and public health fumigant, for crop protection and as an anthelmintic in animal feeds

Physical Description: Liq. with aromatic odour

Boiling Point: Bp₁₄ 120°. Bp₃ 88°

Solubility: Mod. sol. H₂O (1% w/v), misc. EtOH

Density: d₄²⁵ 1.42

Refractive Index: n_D²⁰ 1.4550

Calculated Log P Data: Log P 1.72 (uncertain value) (calc)

Other Data: Hydrolysed rel. slowly by H₂O, more quickly by alkalis

Hazard & Toxicity: Cholinesterase inhibitor, rapidly metabolised and excreted. LD₅₀ (rat, orl) 46-80 mg/kg. Neurotoxic symptoms from acute human exposure. OES: long-term 0.1 ppm; short-term 0.3 ppm (Sk)

Supelco: 4-9082

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