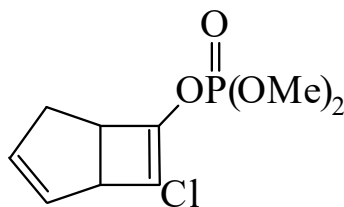




>>Entry Name: Heptenophos, BSI, ISO

Synonym(s): 7-Chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate, 9Cl, 8Cl. Hostaquick. Ragadan



CAS Registry Number: 23560-59-0

Molecular Formula: C₉H₁₂ClO₄P

Molecular Weight: 250.618

Accurate Mass: 250.016174

Percentage Composition: C 43.13%; H 4.83%; Cl 14.15%; O 25.54%; P 12.36%

Use/Importance: Agricultural and veterinary insecticide. Used for treatment of ectoparasites in cattle, pigs, sheep and domestic pets. Also for control of aphids in glasshouse crops

Physical Description: Pale-amber liq.

Boiling Point: Bp_{0.001} 94-95°

Solubility: Misc. most org. solvs.

Density: d₄²⁰ 1.294

Hazard & Toxicity: LD₅₀ (rat, orl) 96 mg/kg; LD₅₀ (rat, skn) 2000 mg/kg

References:

U.K. Pat., 1966, 1 194 603; CA, **70**, 106068p, (synth, use)

Agrochemicals Handbook, Royal Society of Chemistry, 1983, A226

Stan, H.-J. et al., J. Chromatogr., 1983, **279**, 173, (glc)

Prinsloo, S.M. et al., J. Assoc. Off. Anal. Chem., 1985, **68**, 1100; 1987, **70**, 878, (detn)

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A226

Pesticide Manual, 11th edn., 1991, No. 395

Lewis, R.J., Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, HBK700