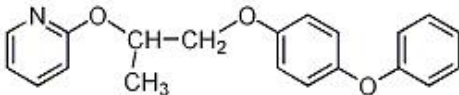


TECHNICAL DATA SHEET OF

Pyriproxyfen 97% TC

Chemistry identity	
Common name	Pyriproxyfen 97% TC
IUPAC name	4-phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether
CAS No	95737 - 68 - 1
Formula structure	
Physical and chemical properties	
Appearance	Solid
Content	97% min.
pH	6.0-9.0
Density	NA
Solubility in water	NA
Mammalian toxicity	
Acute oral	LD ₅₀ for rats >5000 mg/kg
Acute dermal	LD ₅₀ for rats >2000 mg/kg.
Acute inhalation	LC ₅₀ (4 h) for rats >1.3 mg/l
Environment fate	<p>pyriproxyfen will not readily disperse into the atmosphere due to its low vapor pressure and Henry's Law constant. Particulate-phase pyriproxyfen is dissipated via dry deposition, while vapor-phase pyriproxyfen will be degraded in the atmosphere by reaction with photochemically produced hydroxyl radicals. Pyriproxyfen is practically insoluble in water and has high K_{OC} values, so it has a propensity to adsorb onto soil surfaces, particularly those having high clay content and organic matter. Pyriproxyfen persistence in water in the absence of organic matter declines with increasing temperature and sunlight exposure. Pyriproxyfen degrades rapidly in aerobic water and soils via biological catalysis, in which it serves as a carbon source for soil microorganisms. Metabolism in aerobic media proceeds relatively quickly (<100 days) through oxidative cleavage of the ester linkages, while anaerobic metabolism is much slower, progressing via a biphasic mechanism with half-lives up to 700 days.</p>
Handling and storage	<p>Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.</p> <p>Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.</p>
Package	25kg drums or customized package