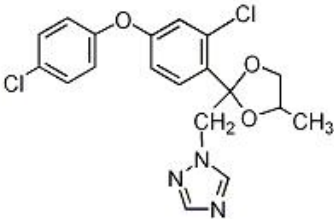


TECHNICAL DATA SHEET OF

Difenoconazole 250g/l EC

Chemistry identity	
Common name	Difenoconazole
IUPAC name	cis,trans-3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether
CAS No	119446-68-3
Formula structure	
Physical and chemical properties	
Appearance	Light yellow liquid
Content	250 g/l (w/v)
Water	0.5% max (w/w)
pH	5.0~8.0
Density	NA
Solubility in water	Emulsifiable in water
Mammalian toxicity	
Acute oral	LD ₅₀ > 5000 mg/kg
Acute dermal	LD ₅₀ for rats > 2000 mg/kg.
Acute inhalation	LC ₅₀ (4 h) for rats > 5 mg/L
Environment fate	Practically immobile in soil, strong adsorption to soil particles (mean adsorption coefficient normalised to organic carbon, K _{oc,ads} 4545 ml/g), low potential to leach below top soil layer. Soil dissipation rate is slow and dependent on application rate; DT ₅₀ 3 mo–1 y. Hydrolytically stable at pH 5–9 (25 °C). Undergoes indirect photolysis in (sterile) natural water; DT ₅₀ 4.6 d. In standard lab. water-sediment systems (n=2) in the dark, rapid dissipation from the water, DT ₅₀ 1–3 d, but slow degradation in whole system, DT ₅₀ c. 8 mo.
Handling and storage	<p>Handling: Avoid contact with skin, eyes and clothing; material may be an irritant.</p> <p>Storage: Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces.</p> <p>Storage: Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.</p>
Package	200 L drum or customized package