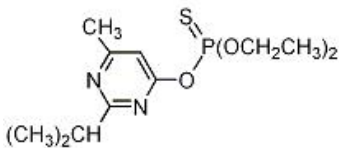


TECHNICAL DATA SHEET OF

Diazinon 60% EC

Chemistry identity	
Common name	Diazinon
CAS name	O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate
CAS No	333-41-5
Formula structure	
Physical and chemical properties	
Appearance	Light brown liquid
Content	60% (w/w)
Water	0.2% max (w/w)
pH	6.0-9.0
Density	Approx. 1.07g/ml
Solubility in water	Emulsifiable in water
Mammalian toxicity	
Acute oral	LD ₅₀ for rat 1600 mg/kg
Acute dermal	LD ₅₀ for rats >2000 mg/kg.
Acute inhalation	LC ₅₀ (4 h) for rats >2.5 mg/L
Environment fate	<p>Animals The principal metabolites are diethyl thiophosphate and diethyl phosphate.</p> <p>Plants Studies with ¹⁴C-labelled diazinon show a rapid absorption and translocation in plants. Metabolism proceeds via hydrolysis and subsequent transformation and degradation of the hydroxypyrimidine derivatives to CO₂.</p> <p>Soil/Environment Degradation involves oxidation to the phosphate (diazoxon) and hydrolysis. DT₅₀ c. 11-21 d (laboratory). Diazinon is fairly strongly adsorbed onto soil; Kom 332 mg/g o.m. Mobility is low.</p>
Handling and storage	<p>Handling: Avoid contact with skin, eyes and clothing; material may be an irritant. 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>



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Use method	<p>Use: this product used to kill parasites like ticks, mites and louse on surface of livestock.</p> <p>Bath treatment: For sheep, dilute 6 ml (initial solution) or 18 ml (supplementary solution) with 2.4 Liter water. For cow, dilute 6 ml (initial solution) or 18 ml (supplementary solution) with 1 Liter water.</p> <p>Precautions: domestic birds, cat and bee are sensitive to this product. When prepare solution, accurate calculate concentration, recommend time for animal soak in solution is 1 minute.</p> <p>Milk withdrawal period: sheep 72h, cow 72h.</p>
Package	1 L drum or customized package