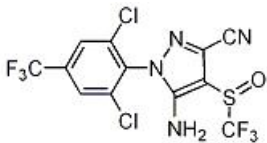


TECHNICAL DATA SHEET OF

Fipronil 20% SC

Chemistry identity	
Common name	Fipronil 20% SC
CAS name	(±)-5-amino-1-(2,6-dichloro- α,α,α -trifluoro-p-tolyl)-4-trifluoromethylsulfinylpyrazole-3-carbonitrile
CAS No	120068-37-3
Formula structure	
Physical and chemical properties	
Appearance	Off-white liquid
Content	20% (w/w)
pH	5.0~7.0
Density	NA
Solubility in water	Suspension in water
Mammalian toxicity	
Acute oral	LD ₅₀ for rat >500mg/kg (Calculation)
Acute dermal	LD ₅₀ for rats >5000 mg/kg (Calculation)
Acute inhalation	LC ₅₀ (4 h) for rats >2.0 mg/L (Calculation)
Environment fate	<p>Plant: In plants, animals and the environment, fipronil is metabolised via reduction to the sulfide, oxidation to the sulfone, and hydrolysis to the amide. In the presence of sunlight, a photodegradate also forms via sulfoxide extrusion. The sulfide, sulfone and photodegradate are known to act at the GABA receptor site, whereas the amide does not. Animals In rats, once absorbed, the distribution and metabolism of fipronil is rapid. Elimination is mainly via the faeces as fipronil and its sulfone. The two major urinary metabolites were identified as conjugates of ring-opened pyrazole products. The distribution of radioactive residues in tissues was extensive after seven days. In goats and hens, the sulfone was the only metabolite identified in tissues. Soil/Environment Results of lab. and field studies: Readily degraded; major degradates in soil (aerobic) are sulfone and amide, (anaerobic) are sulfide and amide. Photolysis of soil-applied fipronil gives the photodegradate together with sulfone and amide. Koc 427 (Speyer 2.2) to 1248 (sandy loam).</p>
Handling and storage	<p>Handling: Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Carefully open containers and after partial use close container tightly. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated</p>



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	clothing and wash before reuse. Storage: Store unused product in original container only out of reach of children and animals.
Package	200 L drum or customized package