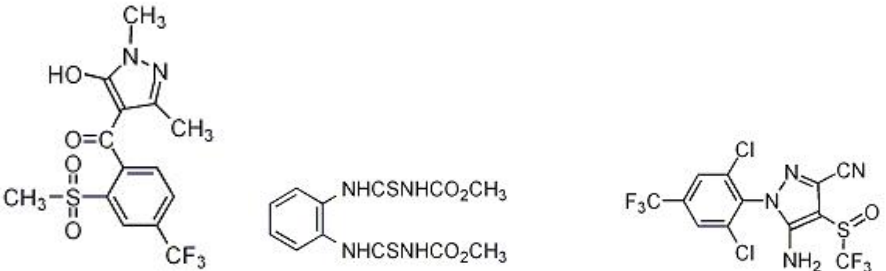


TECHNICAL DATA SHEET OF

Pyraclostrobin + Thiophanate-methyl + Fipronil 500g/L FS

Chemistry identity	
Common name	Pyraclostrobin + Thiophanate-methyl + Fipronil 500g/L FS
IUPAC name	Pyraclostrobin: (5-hydroxy-1,3-dimethylpyrazol-4-yl)(α,α,α -trifluoro-2-mesyl-p-tolyl)methanone Thiophanate-methyl: dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate) Fipronil: ($\pm$)-5-amino-1-(2,6-dichloro- α,α,α -trifluoro-p-tolyl)-4-trifluoromethylsulfinylpyrazole-3-carbonitrile
CAS No	Pyraclostrobin: 365400 - 11 - 9 Thiophanate-methyl: 23564 - 05 - 8 Fipronil: 120068-37-3
Formula structure	 <div style="display: flex; justify-content: space-around; margin-top: 10px;"> Pyraclostrobin Thiophanate-methyl Fipronil </div>
Physical and chemical properties	
Appearance	Liquid
Content	Pyraclostrobin 25g/L; Thiophanate-methyl 225g/L; Fipronil 250 g/L
pH	5.0-9.0
Density	NA
Solubility in water	Disperse in water
Mammalian toxicity	
Acute oral	LD ₅₀ for rat 300-2000 mg/kg
Acute dermal	LD ₅₀ for rats > 2000 mg/kg
Acute inhalation	LC ₅₀ (4 h) for rats >2.0 mg/L
Environment fate	<p>Pyraclostrobin: DT50 (lab, aerobic, 20 ° C) 12 - 101 d (5 soils); (field) 8 - 37 d (6 locations). Koc 6000 - 16 000 ml/g.</p> <p>Thiophanate-methyl: Soil persistence is c. 3-4 weeks. In soil, in aqueous solution, and under the influence of uv light, cyclisation occurs, leading to the formation of carbendazim (q.v.). This then undergoes degradation to 2-aminobenzimidazole and 5-hydroxy-2-aminobenzimidazole. Soil adsorption Kd 1.2.</p> <p>Fipronil: 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). Both fresh and aged column leaching</p>

	studies (5 soils) indicate that fipronil and its metabolites present a low risk of downward movement in soil; this is supported by field dissipation studies.
Handling and storage	<p>Handling: Avoid contact with eyes and skin. When opening the container, preparing the paint solution for use and using the prepared paint solution, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.</p> <p>Storage: Keep out of reach of children. Store below 30°C (Room Temperature) in tightly sealed original containers in a dry secure place away from feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.</p>
Package	200 Liters drum or customized package