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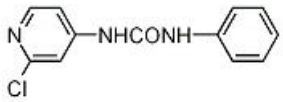
TECHNICAL DATA SHEET OF

Forchlorfenuron 1% SP

Chemistry identity	
Common name	Forchlorfenuron
IUPAC name	1-(2-chloro-4-pyridyl)-3-phenylurea
CAS No	68157–60–8
Formula structure	
Physical and chemical properties	
Appearance	white powder
Content	1% min
pH	6.0-8.0
Density	NA
Solubility in water	Soluble in water
Mammalian toxicity	
Acute oral	LD_{50} for rats >5000 mg/kg
Acute dermal	LD_{50} for rats > 5000 mg/kg
Acute inhalation	LC_{50} (4 h) for rats >5.0 mg/L
Environment fate	**Animals** In the rat, forchlorfenuron is rapidly absorbed and metabolised, with half of the radioactivity excreted via the urine and faeces within 16 h. The parent compound was a small component of radioactivity excreted; the majority of the recovered radioactivity was identified as the conjugate, forchlorfenuron sulfate (EPA Fact Sheet). **Soil/Environment** Essentially stable to all routes of dissipation except sensitised photodegradation in water. In sandy loam soil in the dark, DT50 578 d (calc.). Also stable in sediment/water systems. Moderately mobile to essentially immobile in soils; Freundlich Kads 2–20 (EPA Fact Sheet); Koc 852–3320 (mean 1763, 4 soils); Kd 5.79–39.84
Handling and storage	**Handling:** Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. **Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality: Keep refrigerated.
Package	25kg drum or customized package