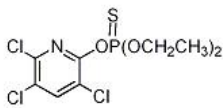


TECHNICAL DATA SHEET OF

Chlorpyrifos 97%TC

Chemistry identity	
Common name	Chlorpyrifos 97%TC
IUPAC name	O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
CAS No	2921-88-2
Formula structure	
Physical and chemical properties	
Appearance	White to tan coloured crystalline solid
Content	97% (w/v)
Water	≤0.1% (w/w)
Density	NA
Solubility in water	c. 1.4 mg/l (25 ° C)
Mammalian toxicity	
Acute oral	LD ₅₀ for rats was 135 – 163 mg/kg
Acute dermal	LD ₅₀ for rats >2000 mg/kg
Acute inhalation	LC ₅₀ (4 -6h) for rats > 0.2 mg/L
Environment fate	<p>Animals In rats, dogs, and other mammals, following oral administration, rapid metabolism occurs, the principal metabolite being 3,5,6-trichloropyridin-2-ol. Excretion is principally in the urine. Plants Non-systemic in plants, not absorbed from soil via the roots. Residues taken up by plant tissues are metabolised to 3,5,6-trichloropyridin-2-ol, which is conjugated and sequestered.</p> <p>Soil/Environment In soil, chlorpyrifos is degraded at a moderate rate; DT50 (lab.) 10 – 120 d (25°C); field DT50 for soil-incorporated applications 33 – 56 d, for soil-surface applications 7-15d. Koc 1250 – 12600.</p>
Handling and storage	<p>Handling: Do not breathe fumes. Avoid contact with skin and eyes.</p> <p>Storage: Keep locked up. Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Keep container dry. Keep away from strong bases. Keep away from sources of ignition and heat. No smoking.</p>
Package	200kg drum or customized package