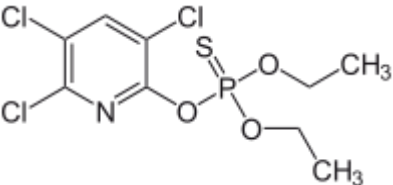
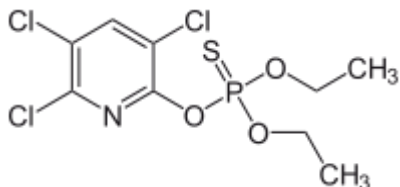


## CHLORPYRIFOS TECHICAL

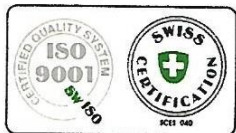
### Description of Technical

Chlorpyrifos is a broad-spectrum organophosphate insecticide with contact, stomach, and respiratory action. Its moderate toxicity used for control of cutworms, corn rootworms, cockroaches, grubs, flea beetles, flies, termites, fire ants, grain, cotton, field, fruit, nut and vegetable crops.

<b>Common Name</b>	:	Chlorpyrifos
<b>IUPAC Name</b>	:	O,O-Diethyl O-3,5,6-trichloropyridin-2-yl phosphorothioate
<b>C.A. Name</b>	:	O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate
<b>Chemical Family</b>	:	Organophosphate
<b>Structural Formula</b>	:	



<b>Empirical formula</b>	:	C <sub>9</sub> H <sub>11</sub> Cl <sub>3</sub> NO <sub>3</sub> PS
<b>Molecular Weight</b>	:	350.59 g/mol
<b>C.A.S. No.</b>	:	2921-88-2
<b>Physical State</b>	:	White to Brown Crystalline solid
<b>Melting Point</b>	:	42-44°C
<b>Density</b>	:	1.51 g/ml
<b>Odour</b>	:	Mild mercaptan (thiol) odor
<b>Vapour Pressure</b>	:	1.43 mPa (25°C)
<b>Flash Point</b>	:	Not expected to self-ignite
<b>Explosion Hazard</b>	:	Non - explosive



- Solubility in water** : 1.05 mg/l at 25°C
- Stability** : Rate of hydrolysis increase with pH, and in presence of Cu and other metals.

## CHLORPYRIFOS TECHNICAL

### Sales specification

- Chlorpyrifos content by mass** : 94-97% Min.
- Moisture content** : 6% Max.
- Packing** : 200 litre capacity M.S. drum
- Transportation information** : UN No. 3018  
Class 6.1  
Organophosphorus pesticide, liquid, toxic  
(Chlorpyrifos)  
Marine Pollutant  
Packing Group III

### Toxicological profile

- LD50 acute oral** : Rat: 135-163mg/kg
- LD50 acute Percutaneous** : Rabbit >5000 mg/kg
- LC50 inhalation (4hr)** : Mice >0.2mg/l
- Skin irritation** : Rabbit Mild skin irritant
- Eye irritation** : Rabbit Moderate
- Skin Sensitization** : Rabbit Not a skin sensitizer